DOLAN LAW FIRM

McMATH HEARING POSTPONED TO PROVIDE ADDITIONAL MEDICAL EVIDENCE

HYPERLINKED TABLE OF CONTENTS

CLICK HOME BUTTON ON LOWER RIGHT CORNER TO RETURN TO TABLE OF CONTENTS

FOR IMMEDIATE RELEASE
McMATH HEARING POSTPONED TO PROVIDE ADDITIONAL MEDICAL EVIDENCE

Christopher Dolan, McMath family attorney, has asked Alameda County Superior Court Judge Emillo Grillo to postpone tomorrow's hearing regarding Jahi McMath's status as brain dead so that the team of international brain death experts presented by McMath's attorneys can have time to read and react to a new statement issued by Dr. Paul Fischer, the physician who originally testified as to Jahi's brain death. This comes following yesterday's re-appointment of Dr. Fischer as a court consultant by Judge Grillo. McMath's attorneys have objected to Dr. Fischer's appointment saying that Fischer had a conflict of interest, and a legal bias, as it is his original determination which is being examined in light of the new facts. No decision on the objection to Dr. Fischer has been issued.

Fischer, immediately upon re-appointment by the court issued a letter supporting his earlier determination stating that the fact that the brain had not liquified, Jahi had started her period (menarche), the evidence that there was cerebral blood flow, the recorded movements of Jahi's body in response to commands, and the presence of electrical activity in her brain as recorded by EEG had no effect on his opinion.

Despite the sworn declarations of Dr. Calixto Machado, who's CV demonstrates he is international recognized as a Board Certified expert on brain death; Dr. Alan Shewmon, a former Chief of Neurology at UCLA-Olive Medical Center who's CV details vast experience as an expert on pediatrics and brain death in children; Dr. Charles Prestigiacomo who's CV, shows his expertise in brain injury as a Board Certified Neurologic surgeon and Chair of Department of Neurosurgery at Rutgers University; Dr Ivan Mikolaenko, who's CV details his expertise in brain injury as a Johns Hopkins trained Neurointensiveist/Neurological Consultant; and Dr. Phil DeFina, who's CV demonstrates his education and experience as the Chief Scientific Officer of the International Brain Research Foundation, Dr. Fischer has indicated that none of the information provided by these experts, *who all swear that Jahi McMath is not brain dead*, has any effect on his prior opinion.

McMath's lawyer, Christopher Dolan, asked to have tomorrow's hearing taken off calender and be rescheduled for the near future stating "we want to address any concerns that Dr. Fischer has in an effort to demonstrate that, with an open and transparent dialogue between healthcare professionals, only one conclusion can remain: that Jahi McMath is not brain dead." Dolan said "I can understand what a difficult place Dr. Fischer finds himself in as he is the doctor who originally diagnosed Jahi as brain dead. We are not seeking to fault Dr. Fischer's original exam. Experts say that Jahi's brain swelling would have given the impression of brain death at that time. What we do want to do is to bring all the evidence forward to be looked at critically, and not defensively, as this is an important medical and legal debate which goes far beyond Jahi. In that regard, in the past, I had approached Dr. Fischer to share this information with him. He did not return my communications. So it is just within the last 24 hours that I have learned of Dr. Fischer's concerns. To avoid this lapse in communication in the future, today I have requested that the Court permit all of the doctors to conference together as this is an area of science and medicine, with many world class scholars and practitioners involved."

Dolan said "We would like to take this out of the arena of adversarial proceedings and into an area of open dialogue and discussion between health care professionals. I'm a lawyer, not a doctor, it would be nice if the doctors could work as doctors without lawyers involved." Children's Hospital has objected to Dolan's request. In response to Children' s Hospital's objection Dolan stated "the McMath family hopes that a way can be found to have the medical community, including Dr. Fischer, productively and thoughtfully engage with Drs. Machado, Shewmon, Mikolaenko, Prestigiacomo, DeFina and Labkovsky and others who have sworn that she is not brain dead. These world class physicians, in saying that Jahi is not brain dead, do not do so lightly, Indeed, Dr. Machado is a staunch defender of the concept of brain death he just believes, unequivocally, in this case, Jahi is not brain dead."

Dolan said, "the stakes are so high Jahi's request to be restored to the status of a living person should not be determined technically by the choice of one test over another but, instead, based on well accepted medical principals and Jahi's presentation which is consistent with a person who is not brain dead. To make sure that the Court has all information, including that which Dr. Fischer says is lacking, we are postponing tomorrow hearing and we will be approaching the court for a further hearing date in the near future."

Tonight the family will hold a prayer vigil for Jahi praying that minds may open, that truth will prevail, and that Jahi will be coming home. The service is scheduled for 7:00 p.m. tonight, October 8, 2014, at Yeshua Our Lord, 1406 Miller Street, Oakland California.

Further inquiry can be directed to Chris Dolan at Chris@cbdlaw.com or by text to 415-279-2604 or questions can be asked of the family and their attorney before the service this evening

October 6, 2014

The Honorable Evilio M. Grillo
Superior Court of Alameda County California

Dear Judge Grillo:

I have reviewed the five (5) declarations provided to me your court offices on October 3, 2014, specifically declarations of D. Alan Shewmon, M.D.; Philip De Fina, Ph.D.; Charles J. Prestigiacomo, M.D.; Calixto Machado, M.D.; and Elena B. Labkovsky, Ph.D.

In order for you to review and interpret those declarations, I provide below a number of facts and thoughts, raised by those documents.

1. Criteria for brain death in a child are those posited in *Pediatrics* 2011;128:e720-740 (attached), as endorsed by the American Academy of Pediatrics, Child Neurology Society, American Academy of Neurology, and numerous other professional societies. "The American Academy of Neurology's Practice Parameters for Determining Brain Death in Adults," as referenced by Dr. Shewmon, and "AMA (American Medical Association) guidelines," as referenced by Dr. Prestigiacomo are not the relevant guidelines in the instance of Jahai McMath.

2. The diagnosis and determination of brain death requires serial neurological examinations performed in person by different attending physicians. No records of any on-site or in-person serial neurological examination of Jahai McMath, performed by a physician, have been presented to me via these declarations.

3. Videos of hand and foot movements, coincident with verbal commands heard on audio, cannot affirm or refute brain death, and are not substitutes for in-person serial neurological examinations by a physician.

4. No apnea test has been performed or reported in the declarations, as required for a determination of brain death.

5. A repeat apnea test would not cause harm to Jahai McMath.

6. Dr. Prestigiacomo has referred to a "sleep apnea test," and that is not the correct examination in the determination of brain death.

7. A "flat" electroencephalogram (EEG), or electro-cerebral silence, is not required for the determination of brain death (see *Pediatrics* 2011;128:e720-740). The EEG performed on 9/1/14 was not performed in standard conditions, but rather at an apartment and Dr. Machado does note artifacts, which he attributes to movement. Electrical artifacts cannot be excluded as the cause of reported electrical activity, but again, electro-cerebral silence is not requisite to the determination of brain death.

8. No cerebral blood flow radionuclide brain scan has been performed or reported in the declarations, and that is the test used to determine cerebral blood flow in order to assist in the determination of brain death, not magnetic resonance angiography (MRA) (see *Pediatrics* 2011;128:e720-740).

9. MRA is not a technique used to determine cerebral blood flow.

10. Magnetic resonance imaging (MRI), as performed on 9/26/14, provides a structural picture of the brain and is not part of the determination of brain death. A picture of persistent brain tissue inside the skull does not negate the determination of brain death. Liquefaction of the brain is not requisite to the determination of brain death. There are no specific anatomic or pathologic changes noted in brain death.

11. Heart rate analysis, as presented from 9/1/14, is not part of and not relevant to the determination of brain death.

12. Menarche and menstrual cycles are not relevant to the determination of brain death.

13. A bispectal index (BIS) monitor has no role in and is not relevant to the determination of brain death.

14. I cannot determine from the declarations whether Ms. Labkovsky has completed EEG technician certification in the United States, such as that required by the American Association of Electrodiagnostic Technologists (AAET) or American Board of Registration of Electroencephalographic and Evoked Potential Technologists (ABRET). EEG Neurofeedback Certification is not considered the appropriate certification to conduct diagnostic EEGs, such as EEGs in the determination of brain death.

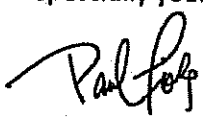
Overall, none of the current materials presented in the declarations refute my 12/23/14 examination and consultation finding (attached), or those of several prior attending physicians who completed the same exams, that Jahai McMath met all criteria for brain death. None of the declarations provide evidence that Jahai McMath is not brain dead.

I want to note on the record that I have not and will not accept any compensation for my services providing expertise in the matter of Jahai McMath, and I have no affiliations with the McMath family, UCSF Benioff Children's Hospital Oakland, or their legal counsels. I continue to extend my sympathies to the family and friends of Jahai McMath.

I hereby grant permission for the court to share this document privately or public, at your discretion. My *curriculum vitae* is attached.

I reserve the right to amend these opinions should additional materials become available for my review.

Respectfully yours,



Paul Graham Fisher, M.D.

Palo Alto, California

October 6, 2014

DATE: October 1, 2014

NAME: Charles Joseph Prestigiacomo, M.D., F.A.A.N.S., F.A.C.S.

PRESENT TITLE: Professor and Chair, Department of Neurological Surgery
Professor, Departments of Radiology, Neurology & Neuroscience
Program Director, Residency Training Program in Neurological Surgery
Director Cerebrovascular and Endovascular Surgery

HOME ADDRESS: 7 Birchwood Court
East Hanover, NJ 07936

OFFICE ADDRESS: 90 Bergen Street, Suite 8100
Newark, NJ 07101

TELEPHONE NUMBER/E-MAIL ADDRESS: 973-972-3661/ c.prestigiacomo@umdnj.edu

CITIZENSHIP: United States of America

EDUCATION:

A. Undergraduate
Georgetown University
Washington, D.C.
B.S. Biology (Minor in Classics) 09/1985 -05/1989
Summa cum laude

B. Graduate
Columbia University College of Physicians and Surgeons
New York, New York
M.D. 07/1989 -05/1993

POSTGRADUATE TRAINING:

A. Internship and Residencies

Columbia-Presbyterian Medical Center/ New York City, New York
Internship in General Surgery
07/1993 -06/1994

Columbia-Presbyterian Medical Center/ New York City, New York
Resident Neurological Surgery
07/1994 -06/1995

Columbia-Presbyterian Medical Center/ New York City, New York
Resident Neurological Surgery
07/1996 -06/1997

Columbia-Presbyterian Medical Center/ New York City, New York
Chief Resident Neurological Surgery
07/1998 -06/2000

B. Research Fellowships

Columbia University & Columbia-Presbyterian Medical Center
Research Fellow in Department of Neurological Surgery
07/1995 -06/1996

Columbia-Presbyterian Medical Center
Resident Fellow in the Division of Interventional Neuroradiology & Department of Neurological Surgery
06/1997-07/1998

Beth Israel Medical Center, Singer Division/Institute of Neurology & Neurosurgery
Endovascular Surgical Neuroradiology Fellow for the Center for Endovascular Surgery
06/2000-07/2002

C. Postdoctoral Appointments
None

MILITARY: None

ACADEMIC APPOINTMENTS:

Assistant Professor
Departments of Neurological Surgery and Radiology
New Jersey Medical School/University of Medicine and Dentistry of New Jersey
07/2002 – 5/2007

Research Professor
Department of Biomedical Engineering
New Jersey Institute of Technology
05/2003- present

Founder and Director
Department of Neurological Surgery/Computational Cerebrovascular Laboratory
New Jersey Medical School/University of Medicine and Dentistry of New Jersey
1/2005 – present

Associate Professor
Departments of Neurological Surgery and Radiology
New Jersey Medical School/University of Medicine and Dentistry of New Jersey
06/2007 – 04/2011

Program Director
Endovascular Surgical Neuroradiology Fellowship
Department of Neurological Surgery
New Jersey Medical School/University of Medicine and Dentistry of New Jersey
1/2007 – 07/2012

Associate Professor
Department of Neurology and Neurosciences
New Jersey Medical School/University of Medicine and Dentistry of New Jersey
11/2009 – 06/2011

Director / Residency Training Program
Department of Neurological Surgery
Rutgers New Jersey Medical School/University of Medicine and Dentistry of New Jersey

01/2009 – present

Professor
Department of Neurological Surgery
Rutgers New Jersey Medical School/University of Medicine and Dentistry of New Jersey
04/2011 – present

Professor
Department of Radiology and Neurology and Neurosciences
Rutgers New Jersey Medical School/University of Medicine and Dentistry of New Jersey
06/2011 – present

Chair
Department of Neurological Surgery
Rutgers New Jersey Medical School/University of Medicine and Dentistry of New Jersey
01/2012 – present

Professor- Full Member
Graduate School of Biomedical Sciences
University of Medicine and Dentistry of New Jersey
10/2012 - present

HOSPITAL APPOINTMENTS:

The University Hospital, UMDNJ

Attending Physician
Department of Neurological Surgery
07/2002 - present

Director
Endovascular Surgery
Department of Neurological Surgery
07/2002 – present

Neurosurgeon-in-Chief
Department of Neurological Surgery
01/2012 – present

Attending Physician
Department of Radiology
07/2002 - present

Section Chief, Interventional Neuroradiology
Department of Radiology
02/2004 – present

Jersey City Medical Center

Attending Physician
Division of Neurological Surgery/Department of Surgery
07/2002 – 7/2010

Attending Physician

Division of Neurological Surgery, Department of Surgery
Newark Beth Israel Medical Center
08/2012 - present

OTHER EMPLOYMENT OR MAJOR VISITNG APPOINTMENTS:

Department Neurological Surgery
Roosevelt Hospital, New York, New York
Attending Physician
01/2002 -07/2002

Department of Radiology/Department of Neurosurgery; Institute for Neurology and Neurosurgery
Beth Israel Medical Center, New York, New York
Attending Physician Endovascular Surgery and Neurological Surgery
01/2002 -07/2002

PRIVATE PRACTICE: None

LICENSURE: Medical Doctorate /MA074610/06-30-2015

DRUG LICENSURE:
CDS: D08230000/10-30-2015
DEA: BP6747678 /03-31-2015

CERTIFICATION*:* Diplomate, American Board of Neurological Surgery /26095/12-31-2016

MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:

American Association of Neurological Surgeons (AANS)
Member
2002 – present

American Association of Neurological Surgeons (AANS)
Fellow
2011-present

American College of Surgeons (ACS)
Resident Candidate
1998-2006

American College of Surgeons (ACS)
Fellow
2006-present

American Heart Association (AHA)
Member
2006–present

American Medical Association (AMA)
Member
2007-present

New York Neurosurgical Society
Member
2002 – present

Congress of Neurological Surgeons (CNS)
Member
1993-present

AANS/CNS Cerebrovascular Section (formerly Joint Section of Cerebrovascular Surgery)
Member
2002-present

AANS Section on the History of Neurological Surgery
Member
2002-present

Essex County Medical Society
Member
2009-present

New Jersey History Society
Member
2008-present

New Jersey Neurosurgical Society
Active Member
2002- present

Alpha Omega Alpha
Inducted
1992

Phi Beta Kappa
Inducted
1988

Sigma Xi
Inducted
1989

Society of NeuroInterventional Surgery (SNIS) (formerly American Society of Interventional and Therapeutic Neuroradiology – ASITN)
Member
2003-present

Society of University Neurosurgeons
Member
2010-present

American Academy of Neurological Surgeons
Member
2010-present

Society of Neurological Surgeons
Member
2013-present

American Association of Neurological Surgeons
Executive Committee, Liaison
03/2003 -present

Section on the History of Neurological Surgery/American Association of Neurological Surgeons
Membership Director
03/2003 -04/2004

Section on the History of Neurological Surgery/American Association of Neurological Surgeons
Secretary/Treasurer
04/2004 -04/2006

Joint Section Cerebrovascular Surgery/American Association of Neurological Surgeons
Chair, Website Committee & Web Design Coordinator
04/2005- 05/2009

American Society of Interventional &Therapeutic Neuroradiology
Executive Committee
08/2005 –8/2007

American Society of Interventional &Therapeutic Neuroradiology
Finance Committee
08/2005 –8/2007

American Society of Interventional &Therapeutic Neuroradiology
Chairman, Audit Committee
08/2005 –8/2007

Section on the History of Neurological Surgery/American Association of Neurological Surgeons
Chairman-Elect
04/2006 – 10/2007

American Association of Neurological Surgeons
Education and Practice Management Committee
01/2006- 5/2009

Joint Sections of Cerebrovascular Surgery/American Association of Neurological Surgeons
Congress of Neurosurgeons
Executive Council
10/2005 –present

American Association of Neurological Surgeons
Education and Practices Management Committee
04/2006 –present

Section on the History of Neurological Surgery/American Association of Neurological Surgeons
Chairman
10/2007 –present

Joint Sections of Cerebrovascular Surgery/American Association of Neurological Surgeons
Congress of Neurosurgeons
Member-at-Large
04/2006 –4/2010

Stroke/Rehab Measure Development Work Group/American Medical Association.
AANS/CNS Representative

05/2006-present

Bylaws Committee/Joint Sections of Cerebrovascular Surgery/ American Association of Neurological Surgeons/Congress of Neurosurgeons
Chairman
02/2007 – present

American College of Surgeons
Advisory Council
10/2007 –present

American College of Surgeons
Young Surgeons Committee
10/2007 –present

American Association of Neurological Surgeons
Development Committee
01/2008 - present

American Association of Neurological Surgeons
Corporate Leadership Council
05/2008 - present

Society of NeuroInterventional Surgery
Chairman, Publications Committee
01/2008 – 01/2009

American College of Cardiology (ACC) CARE Registry
Neurosurgery Representative/Liaison
09/2008 – present

American Association of Neurological Surgeons
Joint Sponsorship Council
07/2008 –present

Society of NeuroInteventional Surgery
Committee on the History of NeuroInterventional Surgery
08/2008-present

Society of NeuroInterventional Surgery
Billing and Coding Committee
08/2008 –present

American Association of Neurological Surgeons
Committee on Emerging Technologies
07/2009- present

American Medical Association
Physician Consortium for Performance Improvement
01/2008-present

American Association of Neurological Surgeons/ Annual Meeting 2011
Scientific Programming Committee
05/2010-present

Society of Neurointerventional Surgery
Chair, Rules and Regulations Committee

08/2010-present

Society of Neurological Surgeons
Endovascular Core Curriculum for Neurosurgery Task Force
09/2010-present

ACGME Milestones Project for Neurosurgery
08/2011-present

Department of Defense, CDMRP, Traumatic Brain Injury/Research Program
Study Section Grant Reviewer, Clinical Outcomes Measures
2007

Department of Defense, CDMRP, Traumatic Brain Injury/Research Program
Study Section Grant Reviewer, Clinical Biomarkers
2007

AIBS, Department of Defense, Traumatic Brain Injury Program
Ad Hoc Site Reviewer, Clinical Biomarkers
2008

AIBS, Department of Defense, Congressional Program/Traumatic Brain Injury Program
Ad Hoc Reviewer, Clinical Biomarkers
2009

Program, AIBS, Department of Defense, Congressional Program/Traumatic Brain Injury
Ad Hoc Reviewer, Combat Casualty Care Research
2010

New Jersey Medical School
Member, Space Allocations Committee
04/2006 - present

University Hospital
Member, Factor VIIa Subcommittee
07/2006 - present

New Jersey Medical School
Faculty Council on Appointments and Promotions
09/2007-11/2009

New Jersey Medical School
GME Committee
04/2008 - present

New Jersey Medical School
Intellectual Properties Committee
06/2008 – present

University Hospital
QA/PI Committee
10/2008 –present

University Hospital
Critical Care Subcommittee on Normothermia
05/2009 –present

New Jersey Medical School/UMDNJ
Neuro-Psychiatric Task Force
09/2009- present

University Hospital Radiology Equipment Procurement
06/2009– present

Department of Radiology/UniversityHospital
New Products Committee
03/2009- present

University Hospital
Bylaws Committee
12/2009-present

New Jersey Medical School
Faculty Affairs Committee
12/2009 –present

WHO Safety Checklist
Perioperative Safety Committee
10/2009 -present

New Jersey Medical School
Animal Imaging Center Committee
08/2010-present

New Jersey Medical School/ Admissions Committee
Interviewer
08/2010-present

University Hospital
Managed Care Reimbursement Committee
09/2011-present

University Hospital
Post Cardiac Arrest/Hypothermia Committee
3/2011- present

University Hospital
Primary Stroke Center Certification Committee
7/2011-present

University Hospital
Comprehensive Stroke Center Committee
7/2011-present

Aerospace Medical Association
Member
9/2013 - present

HONORS AND AWARDS:

Medical Award for outstanding achievement
Lange Publications
1992

Merck Manual Award for highest academic achievement
Columbia University College of Physicians and Surgeons
1993

Samuel W. Rover and Lewis Rover Award for Physiology and Cellular Biophysics
Columbia University College of Physicians and Surgeons
1993

Janeway Prize for highest achievement and abilities in the graduating class
Columbia University College of Physicians and Surgeons
1993

Physician's Recognition Award
American Medical Association
1996

Elsberg Prize for Resident Research
New York Society of Neurosurgeons
1997

Kieffer Award for Outstanding Clinical Presentation
Eastern Neuroradiological Society
1997

Honoree Achievement Award
Society of Saint Charles
1997

Resident Teacher Award – Honorable Mention
Arnold P. Gold Foundation
1999

Golden Apple Award for Teaching Nomination
New Jersey Medical School
2007

Golden Apple Award for Teaching Nomination
New Jersey Medical School
2008

First Place Poster, General Interest Sukul V, Prestigiacomo CJ. How much is enough? Virtual reality analysis for the surgical planning of skull base approaches.
American Association of Neurological Surgeons
2008

Best Abstract Award -El-Gengaihy A, Dawood A, Cornett O, Prestigiacomo CJ, Gandhi C. Arteriovenous malformation management via endovascualr embolization: Onyx vs.n-butyl cyanoacrylate.
Society of Vascular and Interventional Neurology
2010

Golden Apple Award for Teaching Nomination
New Jersey Medical School
2010

Finalist American College of Physicians Annual Symposium- Singh R, Garg R, Quinn J, He W, Prestigiacomo CJ, Gandhi C. Morphological parameters used to predict risk of rupture for intracranial anterior communicating artery aneurysms.
American College of Physicians
2010

Golden Apple Award for Teaching Nomination
New Jersey Medical School
2011

Golden Apple Award for Teaching Nomination
New Jersey Medical School
2012

UMDNJ Foundation Award for Excellence in Teaching
New Jersey Medical School/UMDNJ
2012

Man of the Year
Italian Society Festival
2013

Man of the Year
International Brain Research Foundation
2013

Golden Apple Award for Teaching Nomination
New Jersey Medical School
2013

National Federation of Italian American Societies
Professional Achievement Award
2013

National Federation of Italian American Societies
Recipient, National Federation Knighthood
2013

BOARDS OF DIRECTORS/TRUSTEES POSITIONS:

Surgical Director, International Brain Research Foundation 2006 - present

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:

Study Section Grant Reviewer, Clinical Outcomes Measures 2007
Department of Defense, CDMRP, Traumatic Brain Injury
Research Program

Study Section Grant Reviewer, Clinical Biomarkers 2007
Department of Defense, CDMRP, Traumatic Brain Injury
Research Program

Ad Hoc Site Reviewer, Clinical Biomarkers 2008
AIBS, Department of Defense, Traumatic Brain Injury Program

Ad Hoc Reviewer, Clinical Biomarkers AIBS, Department of Defense, Congressional Program Traumatic Brain Injury Program	2009
Ad Hoc Reviewer, Combat Casualty Care Research Program, AIBS, Department of Defense, Congressional Program Traumatic Brain Injury	2010
Ad Hoc Reviewer, Combat Casualty Care Research Program, AIBS, Department of Defense, Congressional Program Biochemical Mechanisms of Brain Injury	2011
Ad Hoc Reviewer, Combat Casualty Care Research Program, AIBS, Department of Defense, Congressional Program Traumatic Brain Injury	2012
Ad Hoc Reviewer, Combat Casualty Care Research Program, AIBS, Department of Defense, Congressional Program Traumatic Brain Injury	2013

SERVICE ON MAJOR COMMITTEES:

A. International (None)

B. National:

Executive Committee, Liaison	03/2003 – present
AANS, Membership Director	03/2003 -04/2004
Section on the History of Neurological Surgery/AANS, Secretary/Treasurer	04/2004 -04/2006
Section on the History of Neurological Surgery/AANS, Chair, Website Committee	04/2005- 05/2009
Web Design Coordinator, Joint Section Cerebrovascular Surgery/AANS, Executive Committee	08/2005 –8/2007
American Society of Interventional &Therapeutic Neuroradiology, Finance Committee	08/2005 –8/2007
American Society of Interventional &Therapeutic Neuroradiology, Chairman, Audit Committee	08/2005 –8/2007
American Society of Interventional &Therapeutic Neuroradiology, Chairman-Elect	04/2006 – 10/2007
Section on the History of Neurological Surgery/ AANS, Education and Practice Management Committee	01/2006- 5/2009
AANS, Executive Council	10/2005 –present
Joint Sections of Cerebrovascular Surgery/AANS/Congress of Neurosurgeons, Education and Practices Management	

Committee	04/2006 –present
AANS, Chairman	10/2007 –present
Section on the History of Neurological Surgery/AANS Member-at-Large	04/2006 –4/2010
Joint Sections of Cerebrovascular Surgery/AANS/ Congress of Neurosurgeons, Representative	05/2006-present
Stroke/Rehab Measure Development Work Group, AMA, Member, American Heart Association	11/2006 –present
Joint Sections of Cerebrovascular Surgery/AANS/ Congress of Neurosurgeons Advisory Council, American College of Surgeons	10/2007 –present
Young Surgeons Committee, American College of Surgeons	10/2007 –present
AANS, Corporate Leadership Council	05/2008 – present
AANS, Chairman, Publications Committee	01/2008 – 01/2009
Society of NeuroInterventional Surgery, American College of Cardiology (ACC) CARE Registry	09/2008 – present
Neurosurgery Representative/Liaison, Joint Sponsorship Council	07/2008 –present
AANS/Committee on the History of NeuroInterventional	08/2008-present
Society of NeuroInteventional Surgery, Billing and Coding Committee	08/2008 –present
Society of NeuroInterventional Surgery, Committee on Emerging Technologies	07/2009- present
AANS, Physician Consortium for Performance Improvement	01/2008-present
AMA, Scientific Programming Committee	05/2010-present
Annual Meeting 2011/American Association of Neurological Surgeons, Chair, Rules and Regulations Committee	08/2010-present
Society of Neurointerventional Surgery, Endovascular Core Curriculum for Neurosurgery Task Force	09/2010-present
Society of Neurological Surgeons, ACGME Milestones Project for Neurosurgery	08/2011-present
Comprehensive Stroke Center Technical Advisory Panel (CSC-TAP), Joint Commission Standards	07/2012 – present
Comprehensive Stroke Center Technical Advisory Panel (CSC-TAP), Joint Commission Metrics	07/2012 – present
Association of Boxing Commission Medical Committee	05/2013- present

C. Medical School/University:

Graduate Medical Education Committee	2008-present
Admissions Committee, Interviewer	2009-present
Space Allocations Committee	2006-present
Faculty Council on Appointments and Promotions	2007-2009
Intellectual Properties Committee	2008- present
Faculty Council	2011- present
Neuropsychiatric Task Force	2009-2010
Faculty Affairs Committee	2009-present
Animal Imaging Committee	2010
Member, Neurology Chair Search Committee	2012
Chair, Surgery Chair Search Committee	2012

D. Hospital:

Bylaws Committee	2009- present
Hospital Critical Care Bundle Committee/UH	2006-present
Factor VII Subcommittee/UH	2006-present
Space Allocations Committee/UH	2005- present
Patient Temperature Regulation Subcommittee/UH	2009-present
QA/PI Committee/ UH	2008-present
Equipment Procurement Committee/ UH	2009-present
Critical Care Subcommittee on Normothermia/UH	2009-present
Radiology Equipment Procurement/ UH	2009- present
New Products Committee, Department of Radiology/UH	2009-present
Perioperative Safety Committee/ UH	2009-present
Managed Care Reimbursement Committee/UH	2011-present
Strategic Planning Committee, UH	2011-present
Post Cardiac Arrest/Hypothermia Committee/UH	2011-present
Primary Stroke Center Certification Committee/UH	2011-present

Comprehensive Stroke Center Committee, UH	2011-present
Medical Executive Committee	2011 - present

E. Department:

Endovascular Quality Assurance	2005-present
Resident Journal Club	2003-present
Curriculum Committee	2011 - present

F. Editorial Boards:

Congress Quarterly, Editorial Board	2009-present
Journal of Neuro-Interventional Surgery, Associate Editor	2008-present
Associate Section Editor, Neurosurgery	2011-present

G. *AdHoc* Reviewer:

Manuscript Reviewer, Neurosurgery	2006- present
Case Reviewer, AANS Online Case Studies	2006 -present
Manuscript Reviewer, Central European Neurosurgery	2009- present
Global Associate, Reviewer, World Neurosurgery	2009 -present
Manuscript reviewer, Minimally Invasive Neurosurgery	2009- present
Manuscript Reviewer, Journal of Trauma	2009-present
Manuscript Reviewer, Computers and Fluids	2010 – present
Manuscript Reviewer, Neurological Research	2011 – present
Manuscript Reviewer, Neurological Research	2011-present
Manuscript Reviewer, African Journal of Microbiology	2012- present
Manuscript Reviewer, Journal of Neurology Research	2012 – present

SERVICE ON GRADUATE SCHOOL COMMITTEES: None

SERVICE ON HOSPITAL COMMITTEES:

Critical Care Bundle Committee/UH	2006-present
Factor VII Subcommittee/UH	2006-present
Space Allocations Committee/UH	2005- present

Patient Temperature Regulation Subcommittee/UH	2009- present
QA/PI Committee/ UH	2008-present
Equipment Procurement Committee/ UH	2009-present
Critical Care Subcommittee on Normothermia/UH	2009-present
Radiology Equipment Procurement/ UH	2009-present
New Products Committee, Department of Radiology/UH	2009-present
Perioperative Safety Committee/ UH	2009-present
Managed Care Reimbursement Committee/UH	2011- present
Strategic Planning Committee, UH	2011-present
Post Cardiac Arrest/Hypothermia Committee/UH	2011-present
Primary Stroke Center Certification Committee/UH	2011-present
Comprehensive Stroke Center Committee, UH	2011-present
Bylaws Committee/UH	2009-present

SERVICE TO THE COMMUNITY:

Mentoring undergraduate students at Englewood High School	09/09 – 06/10
Mentoring undergraduate students at The College of New Jersey	2005 – present
Mentoring undergraduate and graduate students at New Jersey Institute of Technology	2004 - present

SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE:

Griswold, Kimberly. Applications of Electrospinning: Tissue Engineering Scaffolds and Drug Delivery System**.** Masters in Biomedical Engineering, New Jersey Institute of Technology
2003-2004

Griswold, Kimberly. Applications of Electrospinning: Tissue Engineering Scaffolds and Drug Delivery System, PhD in Materials Science, New Jersey Institute of Technology
2004 - 2009

SPONSORSHIP OF POSTDOCTORAL FELLOWS: None

TEACHING RESPONSIBILITIES:

A. Lectures or Course Directorships-

The Neurological Institute of New York/Columbia Presbyterian Medical Center, Etiology of Arteriovenous Malformations of the Brain 1993

Columbia Presbyterian Medical Center, Residency Program,

Department of Surgery, Surgical Management of Head Trauma	1994
Columbia Presbyterian Medical Center, Surgical Nursing Staff, Evaluation and Management of Hypothermia in the Adult	1994
The Babies and Children's Hospital of New York, Division of Emergency Medicine, Department of Pediatrics, The Surgical Wound and Wound Repair	1995
The Babies and Children's Hospital of New York, Division of Emergency Medicine, Department of Pediatrics, Evaluation and Management of Head Injuries	1995
Columbia Presbyterian Medical Center, Neurosciences Intensive Care Unit, Departments of Neurology and Neurological Surgery, The Evaluation and Management of Cerebral Perfusion Pressure and Intracranial Pressure in Trauma	1999
Columbia Presbyterian Medical Center, Department of Medicine, Neurosurgical Emergencies	1999
New Jersey Institute of Technology, Department of Biomedical ngineering, The Biophysics of Intracranial Aneurysms: Potential Lessons for Recurrence: Fluid Dynamics	2002
University of Medicine and Dentistry of New Jersey, Neuroscience Summer Students Program, Neurosurgery as a Subspecialty Practice	2003
Jersey City Medical Center, Critical Care Nursing Division, Current Concepts in Intracerebral Hemorrhage	2003
University of Medicine and Dentistry of New Jersey, NorthStar EMS, Current Techniques in the Treatment of Stroke	2003
New Jersey Institute of Technology, Department of Biomedical Engineering, The Biophysics of Intracranial Aneurysms: Potential Lessons for Recurrence: Biomedical Engineering Seminar Series	2003
New Jersey First Aid Council Annual Meeting, Time is Brain: The Role of the EMT in the Management of Stroke Closing Keynote Speaker	2003
Ridgewood EMS Conference, The Management of Stroke in the Field	2004
Hudson Valley Regional EMS Council, Hudson Valley, NY, Time is Brain: The Role of the EMT in the Management of Stroke	2004
Hudson Valley Regional EMS Council, Hudson Valley, NY, Patient Assessment and Management of Head and Spinal Trauma	2004
University of Medicine and Dentistry of New Jersey, Neuroscience Summer Students Program, Neurosurgery as a Subspecialty Practice	2004
New Jersey First Aid Council Annual Meeting, Assessment and Management of Spine Trauma in the Field	2004

New Jersey First Aid Council Annual Meeting, Assessment and Management of Head Trauma in the Field 2004

New Jersey First Aid Council Annual Meeting, Time is Brain: The Role of the EMT in the Management of Ischemic and Hemorrhagic Stroke 2004

New Jersey Medical School, University of Medicine and Dentistry of New Jersey, Department of Pediatrics, Treatment of Raised Intracranial Pressure: Current Concepts and Management Strategies 2005

New Jersey Medical School, University of Medicine and Dentistry of New Jersey, Department of Pediatrics, Intracerebral Hemorrhage in Children: Causes and Treatment Options 2006

Neurosurgery Advisory Council, Aesculap B/Braun New Design Concepts in Cerebrovascular Surgery 2006

AANS, Bracco Symposium on New Technologies, The Use of the Dextroscope in Aneurysm Surgery 2006

American Association of Neurological Surgeons, AANS Technology Fair and Symposium Personal Digital Assistants and the Neurosurgeon 2006

Annual AANS Resident Course in Endovascular Neurosurgery, New Devices, New Techniques and Fellowship Training Standards in Surgical Endovascular Neuroradiology 2006

AANS History of Neurological Surgery Seminar, History of the Use of the Microscope in Neurological Surgery 2006

AANS History of Neurological Surgery Seminar, History of Endoscopic Third Ventriculostomy 2006

Aesculap Resident and Fellow Conference in Cerebrovascular and Spine Surgery, Practice Management: Group Practice in Private and Academic Settings 2006

Aesculap Resident and Fellow Conference in Cerebrovascular and Spine Surgery, Controversies in Cerebrovascular Surgery 2006

ASITN Practicum (collaboration with ASNR), Cerebral Arteriovenous Malformations: History and Natural History 2006

NorthSTAR, Grand Rounds, Benefits of Air Medical Transport in Cerebrovascular Disease 2006

American Association of Neurological Surgeons, AANS Technology Fair and Symposium, Personal Digital Assistants and the Neurosurgical Patient 2007

Annual AANS Resident Course in Endovascular Neurosurgery, Techniques, Devices and Fellowship Training Standards in Surgical Endovascular Neuroradiology 2007

Aesculap Resident and Fellow Conference in Cerebrovascular and Spine Surgery, Controversies in Cerebrovascular Disease 2007

Aesculap Resident and Fellow Conference in Cerebrovascular and Spine Surgery, Practice Management: Academic Group Practice 2007

American Society of Interventional and Therapeutic Neuroradiology, The Endovascular Management of Spinal Vascular Malformations 2007

American Society of Interventional and Therapeutic Neuroradiology, Decision Analysis in the Treatment of Subarachnoid Hemorrhage-induced Vasospasm 2007

Congress of Neurological Surgeons, CNS Annual Meeting Luncheon Seminar, Endovascular Management of Arteriovenous Malformations and Intracranial Tumors 2007

Boston Scientific Fellows Symposium, The Art and Science of the Interview 2007

American Association of Neurological Surgeons Annual Meeting, AANS Annual Meeting Practical Course Lecture, The Endovascular Treatment of Vasospasm: Complication Avoidance 2008

American Association of Neurological Surgeons Annual Meeting, The Endovascular Principles of Coiling Aneurysms 2008

Aesculap Resident and Fellows Seminar, Tuttlingen, Germany, Practical Aspects of Group Practice 2008

Aesculap Resident and Fellows Seminar, Munich, Germany, Controversies in Endovascular and Cerebrovascular Surgery 2008

Annual Meeting, Society of NeuroInterventional Surgery, Keys to Success: Developing an Endovascular Practice Within a Neurosurgical Department 2008

Congress of Neurological Surgeons, Luncheon Seminar, Endovascular Techniques for Arteriovenous Malformations 2008

Boston Scientific Fellows Symposium, The Art and Science of Getting a Job: The Interview 2008

Annual AANS Resident Course in Endovascular Neurosurgery, Techniques, Devices and Fellowship Training Standards in Surgical Endovascular Neuroradiology 2008

Student Interest Group in Neurosciences, Neurosurgery and the Mind: Neuropsychiatric Mimics and the Treatment of Neuropsychiatric Disorders 2009

AANS/CNS, Annual Meeting Cerebrovascular Section, Biomorphometrics in Determining Rupture Status of Cerebral Aneurysms 2009

Annual AANS Resident Course in Endovascular Neurosurgery Techniques, Devices and Fellowship Training Standards in Surgical Endovascular Neuroradiology 2009

American Association of Neurological Surgeons Annual Meeting,

Treatment of Spinal Vascular Lesions: Complication Avoidance and Management 2009

American Association of Neurological Surgeons Annual Meeting Craniofacial Surgery: Germinal Matrix Theory of Craniofacial Development 2009

American Association of Neurological Surgeons Annual Meeting, Microsurgical Treatment of Aneurysms: Techniques of Complication Avoidance and Management 2009

Association of Neurological Surgeons Annual Meeting, Trigeminal Neuralgia: Percutaneous Methods of Treatment – A History American 2009

American Association of Neurological Surgeons Annual Meeting, The Mind and the Cerebral Ventricles: Western or Eastern Origins of a Medieval Concept 2009

Boston Scientific Fellows Symposium, The Art and Science of Getting a Job: The Interview 2009

Boston Scientific Annual Fellows Course, Principles of Endovascular Aneurysm Therapy: Pitfalls and Complication Avoidance 2009

American College of Surgeons Annual Clinical Congress, Meet the Expert: Management Controversies in Intracranial Hemorrhage 2009

1199 Symposium on Strokes, From ER to Rehab, New York, The Acute Neurosurgical Care of the Acute Stroke Patient 2009

Congress of Neurological Surgeons Annual Meeting, The Biology of Hemostasis and the History of Hemostatic Agents 2009

UMDNJ, Department of Neurology Research Conference, Intra-arterial Methods of Stroke Management 2009

UMDNJ, Student Interest Group in Neurology, Neuropsychiatric Mimics: Neurosurgical Disease and the Mind 2010

AANS/CNS, Endovascular Surgery Symposium, Cerebrovascular Section Technical Aspects to the Endovascular Treatment of Intracranial Aneurysms 2010

University of Medicine and Dentistry of New Jersey/ New Jersey Medical School, Department of Neurology Thrombosis and Stroke Syndromes 2010

University of Medicine and Dentistry of New Jersey/ New Jersey Medical School, Division of NeuroInterventional Surgery, Angiographic Anatomy and Clinical Correlates 2010

University of Medicine and Dentistry of New Jersey, Department of Neurology Research Conference, Therapeutic options for Subarachnoid Hemorrhage 2010

American Association of Neurological Surgery, Section on the History of Neurological Surgery, Historical Aspects of Cervical Spine Injury: Reduction and Surgery 2010

Congress of Neurosurgeons, Complication Avoidance and Complication Management in the Endovascular Treatment of Spinal Vascular Malformations 2010

New Jersey Medical School/University of Medicine and Dentistry of New Jersey, Institutional Review Board Executive Meeting, The Humanitarian Device Exemption: Roles and Responsibilities for the Institutions 2010

University of Medicine and Dentistry of New Jersey, Department of Neurology, Acute Stroke Management by Endovascular Techniques 2010

Boston Scientific Fellows Symposium, The Art of the Interview: Successful Transition from Fellowship to Practice 2010

Third Annual AIM Symposium, Carotid Artery Surgery and Carotid Stenting for Endovascular Disease: How Do You Choose? 2010

Annual AANS Resident Course in Endovascular Neurosurgery, Carotid Artery Stenting 2010

American College of Surgeons Annual Clinical Congress, Case Reviews in Carotid Stenosis. Endovascular Advances in Head and Neck Disease 2010

Society of NeuroInterventional Surgery Annual Fellows Course, The Art of the Interview: Successful Transition from Fellowship to Practice 2010

Boston Scientific, NeuroNext Symposium, Aneurysm Management in the Age of Endovascular Surgery 2010

Boston Scientific, NeuroNext Symposium Case Discussions: Neurovascular Club 2010

HD-500 Training Course, Aneurysms amenable to treatment with liquid embolic agents 2010

New Jersey Chapter of the American College of Surgeons Annual Meeting, Endovascular Approaches to Cerebrovascular Disease 2010

Aesculap Advisory Meeting, Emerging Technologies in Neurological Surgery:2020 Update 2011

Baxter Visiting Professorship, Neurological Surgery: Its History and Future 2011

Student Interest Group in Neurosciences, Neuropsychiatric Manifestations of Organic Disease: Neurosurgery's Role in Patient Care 2011

New Jersey Medical School/UMDNJ, UMDNJ Nursing Symposium, Intraarterial Therapies for Stroke: Does it End in the Angiography

Suite? 2011

AANS Annual Meeting, Complications of Spinal Angiography and Therapeutics: What to Avoid and How to Manage 2011

AANS Annual Meeting, Surgery on the Seat of the Soul: History of Surgery of the Pineal Gland 2011

AtlantiCare, First Annual South Jersey Stroke Symposium, Controversies in Stroke Management 2011

UMDNJ, NJMS Neurosurgical Update for Primary Care Physicians, Current Advances in Aneurysm and AVM Therapy 2011

UMDNJ, NJMS Neurosurgical Update for Primary Care Physicians, Carotid Stenosis and Treatment in the post-CREST Era 2011

Abington Memorial Hospital, Annual Stroke Symposium, Recent Advances in Aneurysm and AVM Therapy, 45min 2011

UMDNJ, Neuroscience Nursing, Indications and Use of Lumbar Drains, 1hr 2011

UMDNJ, Division of Cardiology, Cerebrovascular Anatomy: A Primer 2011

UMDNJ, Department of Emergency Medicine, Spine Trauma in the Pre-hospital Setting and the Emergency Room 2011

UMDNJ, Division of Cardiology, Cerebrovascular Anatomy: Collaterals 2011

UMDNJ, GSBS, Neurology and Neuroscience Advanced Graduate Seminar Cerebrovascular Anatomy and the Dynamics of Flow 2012

Rutgers New Jersey Medical School, Department of Admissions, On the Cutting Edge: Perspectives in Advances in Neurological Surgery 2013

Stryker Endovascular
Principles of Vascular Access 2013

Stryker Endovascular
Transitions to Practice 2013

B. Research Training

Post Doctoral Fellows: None current
Pre Doctoral Students: None current

CLINICAL RESPONSIBILITIES:

Director of the Endovascular/ Cerebrovascular Service, Performing over 300 surgeries and endovascular procedures per year and exceeding the national and northeast region RVU's for academic and private neurosurgeons.

Neurosurgeon-in-Chief for a faculty of 7 at The University Hospital as well as Newark Beth Israel Medical Center. The Hospital is a Level I Trauma Center and a State Designated Comprehensive Stroke Center serving as a tertiary and quaternary referral center for Neurological Surgery

GRANT SUPPORT:

A. Principal Investigator

1. Boston Scientific Corporation, Research Grant, 2006, $5000

B. Co-Investigator

1. Subcontracted research for Shu Tung Li, PhD, A Bioactive Type I Collagen-Based Nerve Guide for Peripheral Nervous System Regeneration, 2008,Total: $ 137,477

C. Pending

NONE

PUBLICATIONS:

A. Refereed Original Article in Journal

1. Gandhi CD, Bulsara KR, Fifi J, Kass-Hout T, Grant RA, Delgado Almandoz J, English J, Meyers PM, Abruzzo T, **Prestigiacomo CJ**, Powers CJ, Lee SK, Albani B, Do HM, Eskey CJ, Patsalides A, Hetts S, Hussain MS, Ansari SA, Hirsch JA, Kelly M, Rasmussen P, Mack W, Pride GL, Alexander MJ, Jayaraman MV. Platelet function inhibitors and platelet function testing in neurointerventional procedures. JNIS published ahead of print, 2014.

2. Gupta V, Kolomeyer AM, Bhagat N, Turbin RE, **Prestigiacomo CJ**. Subarachnoid hemorrhage –negative Terson syndrome after balloon-assisted coil embolization in a patient with underlying antiphospholipid antibody syndrome. Retinal Cases and Brief Reports 8 (3): 171-174, 2014.

3. Shah M, Agarwal N, Gala NB, **Prestigiacomo CJ**, Gandhi CD. Management of dural venous sinus thrombosis in pregnanacy. EJVES Extra. Published ahead of print, 2014.

4. Amin-Hanjani S, Albuquerque F, Britz G, Connolly ES, Gunel M, Lavine S, Lawton M, MacDonald J, Ogilvy C, **Prestigiacomo CJ**. Commentary: Unruptured brain arteriovenous malformations: What a tangled web they weave. Neurosurgery 75(2):195-196, 2014.

5. Alderazi YJ, Shastri D, Kass-Hout T, **Prestigiacomo CJ**, Gandhi CD. Flow diverters for intracranial aneurysms. Stroke Research and Treatment, 2014.

6. Assina R, Rubine S, Sarris CE, Gandhi CD, **Prestigiacomo CJ**. The history of brain retractors throughout the development of neurological surgery. Neurosurgical Focus 36(4):E8, 2014.

7. Carson CV, Goodrich JT, **Prestigiacomo CJ**. Introduction: History of craniotomy, cranioplasty and perioperative care. Neurosurgical Focus 36(4): E1, 2014

8. Chorney MA, Gandhi CD, **Prestigiacomo CJ**. Berengario's drill: origin and inspiration. Neurosurgical Focus 36(4):E7, 2014.

9. Hetts SW, Turk A, English JD, Dowd CF, Mocco J, **Prestigiacomo CJ**, Nesbit G, Ge SG, Jin JN, Carroll K, Murayama Y, Gholkar A, Barnwell S, Lopes D, Johnston

SC, McDougall C. Stent-assisted coiling versus coiling alone in unruptured intracranial aneurysms in the matrix and platinum science trial: safety, efficacy and mid-term outcome. AJNR 35(4): 698-705, 2014

10. Duffis EJ, He W, **Prestigiacomo CJ**, Gandhi CD. Endovascular treatment for acute ischemic stroke in octogenarians compared with younger patients: a meta-analysis. International Journal of Stroke 9(3): 308-312, 2014

11. Simon MA, Duffis EJ, Curi MA, Turbin RE, **Prestigiacomo CJ**, Frohman LP. Papilledema due to a permanent catheter for renal dialysis and an arteriovenous fistula: a "two hit" hypothesis. J Neuro-ophthalmology 34(1): 29-33, 2014

12. Hansberry DR, Agarwal N, Shah R, Schmitt PJ, Baredes S, Setzen M, Carmel PW, **Prestigiacomo CJ**, Liu JK, Eloy JA. Analysis of readability of patient education materials from surgical subspecialties. The Laryngoscope 124(2):405-412, 2014

13. Agarwal N, Gala NB, Karimi RJ, Turbin RE, Gandhi CD, **Prestigiacomo CJ**. Current endovascular options for central retinal artery occlusion: a review. Neurosurgical focus 36(1): E7, 2014

14. Li X, Agarwal N, Hansberry DR, Prestigiacomo CJ, Gandhi CD. JNIS published ahead of print, 2013

15. Agarwal N, Chaudhari A, Hansberry DR, **Prestigiacomo CJ**. Redefining thalamic vascularization vicariously through Gerald Percheron: A historical vignette. World Neurosurgery 81(1): 198-201, 2013

16. Agarwal N, Guerra JC, Gala NB, Agarwal P, Zouzias, Gandhi CD, **Prestigiacomo CJ**. Current treatment options for cerebral arteriovenous malformations in pregnancy: A review of the literature. World Neurosurgery 81(1): 83-90, 2013

17. Agarwal N, Normen-Smith IO, Tomei KL, **Prestigiacomo CJ**, Gandhi CD. Improving medical student recruitment into neurological surgery: A single institution's experience. World Neurosurgery 80(6):745-750, 2013.

18. Powers CJ, Shazam Hussain M, Patsalides AT, Blackham KA, Narayanan S, Lee SK, Fraser JF, Bulsara KR, **Prestigiacomo CJ**, Gandhi CD, Abruzzo T, Do HM, Meyers PM, Albuquerque FC, Frei D, Kelly MR, Pride GL, Jayaraman MV. Standards of practice and reporting standards for carotid artery angioplasty and stenting. JNIS published ahead of print, 2013.

19. Chandra RV, Meyers PM, Hirsch JA, Abruzzo T, Eskey CJ, Hussain MS, Lee SK, Narayanan S, Bulsara KR, Gandhi CD, Do HM, **Prestigiacomo CJ**, Albuquerque FC, Frei D, Kelly ME, Mack WJ, Pride GL, Jayaraman MV. Vertebral augmentation: report of the standards and guidelines committee of the Society of NeuroInterventional Surgery. JNIS published ahead of print, 2013.

20. Hirsch JA, Albuquerque FC, Fiorella D, **Prestigiacomo CJ**, Zaidat OO, Tarr R. That's our Policy! JNIS 5(6): 501-502, 2013

21. Choudhry OJ, **Prestigiacomo CJ**, Gala N, Slasky S, Sifri ZC. Delayed neurological deterioration after mild head injury:cause, temporal course and outcomes. Neurosurgery 73(5): 753-760, 2013

22. Agarwal N, Chaudahari A, Hansberry, DR., Tomei KL, **Prestigiacomo CJ**. A comparative analysis of neurosurgical subspecialty online education materials to

assess patient comprehension. Journal of Clinical Neuroscience 20(10): 1357-1361, 2013.

23. Duffis EJ, Jethwa P, Gupta G, Bonello K, Gandhi CD, **Prestigiacomo CJ**. Accuracy of computed tomographic angiography compared to digital subtraction angiography in the diagnosis of intracranial stenosis and its impact on clinical decision making. J Stroke and Cerebrovascualr Diseases 22(7):1013-1017, 2013

24. Tomei KL, Gupta V, **Prestigiacomo CJ**, Gandhi CD. Spontaneous hemorrhage of a facial neurofibroma: endovascular embolization before surgical intervention. J Craniofacial Surgery 24(5): e514-517, 2013.

25. I Hussain, Duffis EJ, Gandhi CD, **Prestigiacomo CJ**. Genome-wide association studies of intracranial aneirysms: an update. Stroke 44(9): 2670-2675, 2013.

26. Nayak NV, Medina B, Patel K, Homnick AT, Mohr AM, Livingston DH, **Prestigiacomo CJ**, Sifri ZC. Neurologic outcome of minimal head injury patients managed with or without a routine repeat head computed tomography. J. Trauma Acute Care Surg. Published Online Ahead of Print, May 2013

27. Fraser JF, Hussain MS, Eskey C, Abruzzo T, Bulsara K, English J, Blackham K, Do HM, **Prestigiacomo CJ**, Jayaraman MV, Patsalides A, Kelly M, Sunshine JL, Meyers P. Reporting standards for endovascular chemohtherapy of head neck and CNS tumors. JNIS 5(5):396-399, 2013.

28. Agarwal N, Hansberry DR, Sabourin V, Tomei KL, **Prestigiacomo CJ**. A comparative analysis of the quality of patient education materials from medical specialties. *JAMA Intern Med*. 173 (13):1257-1259, 2013

29. Duffis EJ, Tank V, Gandhi CJ, **Prestigiacomo CJ**. Recent advances in neuroendovascular therapy. *Clin Neurol Neurosurg.* Published Online Ahead of Print, February 2013

30. Agarwal N, Gala N, Choudhry OJ, Assina R, **Prestigiacomo CJ**, Duffis EJ, Gandhi CD. Prevalence of Asymptomatic Incidental Aneurysms: A Review of 2685 Computed Tomographic Angiograms. *World Neurosurgery*. Published Online Ahead of Print, January, 2013.

31. Agarwal N, Guerra JC, Gala N, Agarwal P, Zouzias A, Gandhi CD, **Prestigiacomo CJ**. Current treatment options for cerebral arteriovenous malformations in pregnancy: A review of the literature. *World Neurosurgery.* Published Online Ahead of Print, January, 2013.

32. Agarwal N, Chaudhari A, Hansberry DR, **Prestigiacomo CJ**. Redefining thalamic vascularization vicariously through Gerald Percheron: An historical vignette. *Worlds Neurosurgery*. Published Online Ahead of Print, January 2013.

33. Jethwa PR, Puni V, Patel TD, Duffis EJ, Gandhi CD, **Prestigiacomo CJ**. Cost-effectiveness of digital subtraction angiography in the setting of computed tomographic angiography negative subarachnoid hemorrhage. *Neurosurgery* 72(4):511-519, 2013

34. **Prestigiacomo CJ**. Is this all there is? *J Neurointerv Surg.* 5(2):93, 2013

35. Hirsch JA, Albuquerque FC, Fiorella D, **Prestigiacomo CJ**, Zaidat O, Tarr RW. JNIS: Factoring the impact. *J. Neurointerv Surg.* Published Online Ahead of Print, November 2012.

36. Nalamada K, Chitravanshi N, Duffis EJ, **Prestigiacomo CJ**, Gandhi CD. Anomalous origin of the right vertebral artery from the right common carotid artery associated with an aberrant right subclavian artery. *J. Neurointerv Surg.* Published Online Ahead of Print, August 2012.

37. Agarwal N, Schmitt PJ, Sukul V, **Prestigiacomo CJ** Surgical approaches to complex vascular lesions: The use of virtual reality and stereoscopic analysis as a tool for resident and student education. *BMJ Case Rep* Published Online Ahead of Print, August 2012.

38. Agarwal N, Tolia A, Hansberry DR, Duffis EJ, Barrese JC, Gandhi CD, Prestigiacomo CJ. Current differential diagnosis and treatment of vascular occlusions presenting as bilateral thalamic infarcts: review of the literature. JNIS 5(5):419-425, 2012

39. Narayanan S, Hurst RW, Abruzzo TA, Albuquerque FC, Blackham KA, Bulsara KR, Derdeyn CP, Gandhi CD, Hirsch JA, Hsu DP, Hussain MS, Jayaraman MV, Meyers PM, Patsalides A, **Prestigiacomo CJ.** Standard of practice: embolization of spinal arteriovenous fistulae, spinal arteriovenous malformations, and tumors of the spinal axis. *J. Neurointerv Surg.* Published Online Ahead of Print, November 2012

40. Tomei KL, Doe C, **Prestigiacomo CJ**, Gandhi CD. Comparative analysis of state-level concussion legislation and review of current practices in concussion. *Neurosurg Focus* 33(6):E11:1-9, 2012

41. Gupta V, Gandhi CD, **Prestigiacomo CJ**. Current update on the endovascular management of intracranial aneurysms *J Neurosurg Sci* 56(3):163-174, 2012

42. **Prestigiacomo CJ**, Dagi TF. The history of skull base surgery. *Neurosurg Focus*. 33(2):1, 2012

43. Schmitt PJ, Agarwal N, **Prestigiacomo CJ.** From planes to brains: parallels between military development of virtual reality environments and virtual neurological surgery. *World Neurosurg.* 78(3-4) 214-219, 2012

44. Hussain MS, Fraser JF, Abruzzo T, Blackham KA, Bulsara KR, Derdeyn CP, Gandhi CD, Hirsch JA, Hsu DP, Jayaraman MV, Meyers PM, Narayanan S, **Prestigiacomo CJ**, Rasmussen PA. Standard of practice: endovascular treatment of intracranial atherosclerosis. *J. Neurointerv Surg.* 4(6) 397-406, 2012.

45. Agarwal N, Singh PL, Karimi RJ, Gandhi CD, **Prestigiacomo CJ.** Persistent vestige of dorsal ophthalmic artery: a case report. *J Neurointerv Surg*. Published Online Ahead of Print, May 2012

46. Duffis EJ, Gandhi CD, **Prestigiacomo CJ**, Abruzzo T, Albuquerque F, Bulsara KR, Derdeyn CP, Fraser JF, Hirsch JA, Hussain MS, Do HM, Jayaraman MV, Meyers PM, Narayanan S; Society for Neurointerventional SurgeryHead, neck and brain tumor embolization guidelines. *J Neurointerv Surg*. 4(4):251-255, 2012

47. Loewenstein JE, Gayle SC, Duffis EJ, **Prestigiacomo CJ**, Gandhi CD, The natural history and treatment options for unruptured aneurysms. *Int J Vasc Med* E-published February, 2012.

48. Radvinsky DS, Yoon RS, Schmitt PJ, **Prestigiacomo CJ**, Swan KG, Liporace FA. Evolution and development of the Advanced Trauma Life Support (ATLS) Protocol: an historical perspective. *Orthopedics* 35(4):305-311, 2012.

49. Duffis EJ, Jethwa P, Gupta G, Bonello K, Gandhi CD, **Prestigiacomo CJ.** Accuracy of computed tomographic angiography compared to digital subtraction angiography in the diagnosis of intracranial stenosis and its impact on clinical decision making. *J Stroke Cerebrovasc Dis* Published Online Ahead of Print, March 2012

50. Abruzzo T, Moran C, Blackham KA, Eskey CJ, Lev R, Meyers P, Narayanan S, **Prestigiacomo CJ.** Invasive interventional management of post-hemorrhagic cerebral vasospasm in patients with aneurysmal subarachnoid hemorrhage. *J Neurointerv Surg*. 4(3):169-77, 2012.

51. **Prestigiacomo CJ**. The HDE:what is it good for? Absolutely nothing? *J Neurointerv Surg* 4(2):80-81, 2012

52. Shukla PA, Chan N, Duffis EJ, Eloy JA, **Prestigiacomo CJ**, Gandhi CD. Current strategies for epistaxis: a multidisciplinary approach. *J Neurointerv. Surg.* 5(2):151-156, 2012

53. Meyers PM, Blackham KA, Abruzzo TA, Gandhi CD, Higashida RT, Hirsch JA, Hsu D, Moran CJ, Narayanan S, **Prestigiacomo CJ**, Tarr R, Hussein MS; Society for NeuroInterventional Surgery. Society of NeuroInterventional surgery standards of practice: general considerations. *J Neurointerv. Surg.* 4(1):11-15, 2012

54. Jayaraman MV, Meyers PM, Derdeyn CP, Fraser JF, Hirsch JA, Hussain MS, Blackham KA, Eskey CJ, Jensen ME, Moran CJ, **Prestigiacomo CJ**, Rasmussen PA, McDougall CG. Reporting standards for angiographic evaluation and endovascular treatment of cerebral arteriovenous malformations *J Neurointerv Surg.* 4(5):325-330, 2012

55. Doe C, Jethwa PR, Gandhi CD, **Prestigiacomo CJ.** Strategies for asymptomatic carotid artery stenosis. *Neurosurg Focus.* 31(6):E9, 2011

56. Gala NB, Agarwal N, Barrese J, Gandhi CD, **Prestigiacomo CJ.** Current endovascular treatment options of dural venous sinus thrombosis: a review of the literature. *JNIS.* 5(1):28-34, 2011

57. Schmitt PJ, **Prestigiacomo CJ.** Readability of neurosurgery-related patient education materials provided by the American Association of Neurological Surgeons and the National Library of Medicine and National Institutes of Health. *World Neurosurgery* Published Online Ahead of Print, November, 2011.

58. Chaudhry O, Gupta G, **Prestigiacomo CJ.** Surgery on the seat of the soul: The history of surgery on the pineal gland. *Neurosurgery Clinics of North America* 22(3):321-33, 2011

59. El-Gengaihy A, Kraus J, **Prestigiacomo CJ**, Cornett O, Gandhi CD: Novel Use of Onyx Liquid Embolic System for Treatment of Traumatic Internal Carotid Artery Transection. *Journal of Neurointerventional Surgery*. On-line First, 2011.

60. Hirsch J, Tarr R, Duckwiler G, **Prestigiacomo CJ.** Our specialty's heritage. *J Neurointerv Surg* 3(3):212, 2011.

61. Thaker N, Cobb W, Janjua N, He W, Gandhi CG, **Prestigiacomo CJ**. The use of CT angiography vs. catheter angiography in the post-operative evaluation of surgically treated aneurysms. *Journal of NeuroInterventional Surgery*. On-line First, 2011.

62. Duffis EJ, Al-Qudah Z, **Prestigiacomo CJ**, Gandhi CD. Advanced Imaging in the Treatment of Acute Ischemic Stroke. *Neurosurgical Focus*. 30(6): E5, 2011.

63. Christiano L, Singh R, **Prestigiacomo CJ**, Gandhi C. Microvascular decompression for trigeminal neuralgia: Visualization of Results in a 3D stereoscopic virtual reality environment emplying CTA and MR fusion. *Minimally Invasive Neurosurgery* 54(1):12-15, 2011.

64. **Prestigiacomo CJ**, Krieger M. Parallelisms between the evolution of the human skull and the deformation and malformation of the skull through history. *Neurosurgical Focus* 29(6): E1, 2010

65. He W, Gandhi C, **Prestigiacomo CJ**. Analysis of true posterior communicating artery aneurysms: A review. *World Neurosurgery* 75 (1):64-72, 2011.

66. Quinn J, Mittal N, Baisre A, Pasupuleti L, Sharer LR, Cho ES, Hunt CD, Farkas J, **Prestigiacomo CJ.** Vascular inflammation with eosinophils after the use of Truefill [n-butyl-cyanoacrylate (NBCA)] liquid embolic system. *Journal of NeuroInterventional Surgery* 3(1):21-25, 2011 (Cover Art).

67. Defina P, Fellus J, Thompson JWG, Eller M, Scolaro Moser R, Frisina PG, Schatz P, DeLuca J, Zigarelli-McNish M, **Prestigiacomo CJ.** Improving outcomes of severe disorders of consciousness. *Restorative Neurology and Neuroscience* 28(6):769-80, 2010.

68. Turner J, Mammis A, **Prestigiacomo CJ**. Erythropoietin for the treatment of subarachnoid hemorrhage. *World Neurosurgery* 73(5):500-507, 2010

69. **Prestigiacomo CJ**, Sabit A, He W, Jethwa P, Russin J. Three-dimensional computed tomographic angiography (3D CTA) vs. digital subtraction angiography (DSA) in the detection of intracranial aneurysms in spontaneous subarachnoid hemorrhage (SAH). *Journal of NeuroInterventional Surgery* E-published June 24, 2010, E 1-5.

70. He W, Catrambone J, Farrow M, Setton A, **Prestigiacomo CJ.** True posterior communicating artery aneurysms: Are they more prone to rupture? A biomorphometric analysis. *Journal of Neurosurgery* E-published Sept 11, 2009, E1-5. 112:611-615, 2010.

71. Lott D, Siegal M, Chaudhry H, **Prestigiacomo CJ**. Computational fluid dynamic simulation to assess flow characteristics of an in vitro aneurysm model: a validation study. *Journal of NeuroInterventional Surgery* 1(2):100-107, 2009 Chosen as Cover Art for issue

72. Gandhi CD, Christiano L, Eloy JA, **Prestigiacomo CJ**, Post K. Historical evolution of transphenoidal surgery: technological advances. *Neurosurgical Focus* 27(3):E9, 1-9, 2009.

73. Cavalcanti DD, Feindel W, Goodrich JG, Dagi TF, **Prestigiacomo CJ**, Preul M. Anatomy, technology art and culture: Toward a realistic perspective of the brain. *Neurosurgical Focus* 27(3):E2, 2009

74. **Prestigiacomo CJ**, Preul M. A view of neurosurgery's legacy in technology. *Neurosurgical Focus* 27 (3):E1, 1-2, 2009.

75. Cavalcanti DD, Feindel W, Goodrich JT, Dagi TF, **Prestigiacomo CJ**, Preul MC. Anatomy, technology, culture and art: Toward a realistic perspective of the brain. *Neurosurgical Focus* 27(3):E2, 1-22, 2009.

76. Gandhi C, **Prestigiacomo CJ.** New Jersey's primary and comprehensive stroke centers. *Gold Cross Summer*, 16-20, 2009.

77. Christiano L, Gupta G, **Prestigiacomo CJ**, Gandhi C. Giant serpentine aneurysms. *Neurosurgical Focus* 26(5):E5, 1-11, 2009.

78. Gandhi C, Christiano L, **Prestigiacomo CJ**. The endovascular management of acute stroke. *Neurosurgical Focus* 26(3):E2, 1-6, 2009.

79. **Prestigiacomo CJ**, He W, Catrambone JE, Chung S, Kasper L, Pasapulati L, Mittal N. Predicting rupture probabilities through the application of a CTA-derived binary logistic regression model. *J Neurosurgery* 110:1-6, 2009.

80. Catrambone JE, He W, **Prestigiacomo CJ**, Carmel PW. Monitoring papilledema with Heidelberg Retina Tomograph (HRT) in ruptured aneurysm patient: A case report. *Surgical Neurology* 70:79-81, 2008.

81. Catrambone JE, He W, **Prestigiacomo CJ**, McIntosh TK, Carmel PW, Maniker A. The Use of Hypertonic Saline in the Treatment of Post-Traumatic Cerebral Edema: A Review *European Journal of Trauma and Emergency Surgery* 34:397-409, 2008.

82. Catrambone JE, He W, **Prestigiacomo CJ**, Carmel PW. Monitoring papilledema with Heidelberg Retina Tomograph (HRT) in a pineal pilocytic astrocytoma patient: A case report. *J Neurosurgery* 107:163-166, 2007.

83. Schmidt GW, Oster SF, Golnick KC, Tumialan LM, Biousse V, Turbin R, **Prestigiacomo CJ**, Miller NR. Isolated, progressive visual loss after coiling of paraclinoid aneurysms. *AJNR: American Journal of Neuroradiology* 28:1882-1889, 2007.

84. **Prestigiacomo CJ:** Why study the early history of neurosurgery? *Neurosurg Focus* 23:E1 (Introduction), 2007

85. Gupta G, **Prestigiacomo CJ**. From sealing wax to bone wax: Predecessors to Horsley's development. *Neurosurg Focus* 23:E16, 2007

86. Sclar G, Boardman P, **Prestigiacomo CJ**. Solitary brainstem abscess. *Neurology 68* (15): 1231, 2007.

87. Chaudhry HR, Lott DA, **Prestigiacomo CJ**, Findley TW. Mathematical model for the rupture or cerebral vascular aneurysms through three-dimensional stress distribution in the aneurysm wall. *Journal of Mechanics in Medicine and Biology* 6:325-335, 2006.

88. **Prestigiacomo CJ.** Historical perspectives: The surgical and endovascular treatment of intracranial aneurysms. *Neurosurgery* 59: S3-39-S3-47, 2006.

89. **Prestigiacomo CJ**. Surgical endovascular neuroradiology in the 21st Century: What lies ahead? *Neurosurgery* 59: S3-48-S3-55, 2006.

90. Qureshi AI, Suri MFK, Nasar A, He W, Kirmani JF, Divani AA, **Prestigiacomo CJ**, Low RB. Thrombolysis for ischemic stroke in The United States. Data from National Hospital Discharge Survey 1999-2001. *Neurosurgery* 57:647-654, 2005

91. Farkas J, Xavier A**, Prestigiacomo CJ**. Advanced imaging applications for acute ischemic stroke. *Emergency Radiology* 11(2):77-82, 2004.

92. **Prestigiacomo CJ**, Niimi Y, Setton A, Berentstein A. Three-dimensional rotational spinal angiography in the evaluation and treatment of vascular malformations. *AJNR: American Journal of Neuroradiology* 24:1429-35, 2003.

93. **Prestigiacomo CJ**, Balmaceda C, Dalmau J: Anti-Ri-associated opsoclonus-ataxia paraneoplastic syndrome in a man with transitional cell carcinoma. *Cancer* 91:1423-1428, 2001.

94. Solomon RA, Connolly ES, **Prestigiacomo CJ**, Pile-Spellman J, Khandji AT. Management of residual dysplastic vessels after cerebral arteriovenous malformation resection: implications for post operative angiography. *Neurosurgery* 46:1052-60, 2000.

95. Choudri TF, Hoh BL, **Prestigiacomo CJ**, Huant J, Kim LJ, Schmidt AM, Kiesel W, Connolly ES, Pinsky DJ. Targeted inhibition of intrinsic coagulation limits cerebral injury in stroke without increasing intracerebral hemorrhage. *Journal of Experimental Medicine* 190:91-99, 1999.

96. Mast H, Connolly ES, Duong D, **Prestigiacomo CJ**, Joshi S, Hartmann A, Mohr JP. Dysarthria during basilar artery occlusion. *Neurology* 53:421-423, 1999.

97. Pile-Spellman J, Young W, Joshi S, Duong DH, Vang MC, Hartmann A, **Prestgiacomo CJ**, Ostrapovich N. Adenosine-induced cardiac pause for the endovascular treatment of arteriovenous malformations. *Neurosurgery* 44(4): 881-886, 1999.

98. **Prestigiacomo CJ**, Fidlow K, Pile-Spellman J: Guglielmi Detachable Coil retrieval: technique modification using the Nitinol "Goose-neck" microsnare. *Journal of Vascular and Interventional Radiology* 10:1243-1247,1999.

99. **Prestigiacomo CJ**, Kim SC, Connolly ES, Jr., Winfree CJ, Solomon RA, Pinsky DJ: CD-18 mediated neutrophil recruitment contributes to the pathogenesis of reperfused but not non-reperfused stroke. *Stroke* 30:1110-1117, 1999.

100. Schwartz TH, Hoh B, **Prestigiacomo CJ**, Bruce JN, Feldstein NA, Goodman RR. Ventricular volume following third ventriculostomy. *J. Neurosurgery* 91:20-25, 1999.

101. Choudri, TF, Hoh BL, Zerwes HG, **Prestgiacomo CJ**, Kim SC, Connolly ES Jr., Kottirsch G, Pinsk,y DJ. Reduced microvascular thrombosis and improved outcome in acute murine stroke by inhibiting BP IIb.IIIa receptor-mediated platelet aggregation. *Journal of Clinical Investigation* 102:1301-1310,1998.

102. Baker CJ, Mayer SA, **Prestigiacomo CJ**, Van Heertum RL, Solomon RA. Diagnosis and management of cerebral hyperfusion with single photon emission computed tomography: case report. *Neurosurgery* 43: 157-160, 1998

103. Connolly ES, Fiore AF, Winfree CJ, **Prestigiacomo CJ**, Goldman JE, Solomon Ra: Elastin degradation in superficial temporal arteries of patients with intracranial aneurysms reflects changes in plasma elastase. *Neurosurgery* 40:903-908, 1997.

104. Connolly ES, Winfree CJ, **Prestgiacomo CJ**, Kim SC, Naka Y, Solomon RA, Pinsky DJ: Exacerbation of cerebral injury in mice that express the P-selection gene: Identification of P-selectin blockade as a new target for the treatment of stroke. *Circulation Research* 81:304-310, 1997.

105. Kim SC, Singh M, Huang J, **Prestigiacomo CJ**, Winfree CJ, Solomon RA, Connolly ES: Matrix metalloproteinase-9 in cerebral aneurysms. *Neurosurgery* 41:642-647, 1997.

106. Baker CJ, **Prestigiacomo CJ**, Solomon RA: Short-term perioperative anti-convulsant prophylaxis for the surgical treatment of low-risk patients with intracranial aneurysms. *Neurosurgery* 37:863-871, 1995.

107. Frazzini VI, Winfree CJ, Choudri HF, **Prestigiacomo CJ**, Solomon RA: Mild hypothermia and MK-801 have similar but not additive degrees of cerebroprotection in the rat permanent focal ischemia model. *Neurosurgery* 34:1040-1046,1994.

108. Baker CJ, Onesti ST, Barth KNM, **Prestigiacomo CJ**, Solomon RA: Hypothermic protection following middle cerebral artery occlusion in the rat. *Surgical Neurology* 36:175-180, 1991.

B. Books, Monographs and Chapters-

Book Editor

1. Argawal N, Hansberry DR, **Prestigiacomo CJ.** The evolution of health literacy: A novel modality for assessing patient education. Nova Publishers, Hauppage, NY 2014

2. **Prestigiacomo, CJ,** Editor, Surgical Endovascular Neuroradiology, Thieme, New York. Estimated publication date of 2013.

3. **Prestigiacomo, CJ**, Topic Editor, History of Skull Base Surgery in Neurosurgical Focus AANS Publications. September, 2012

4. **Prestigiacomo CJ**, Krieger M. Topic Editor, Deformations and Malformations: The history of induced and congenital skull deformity in Neurosurgical Focus AANS Publications. September, 2010

5. **Prestigiacomo, CJ**, Topic Editor, History of Neurosurgical Technology in Neurosurgical Focus AANS Publications. September, 2009

6. **Prestigiacomo, CJ**. Topic Editor, History of Early Neurosurgery in Neurosurgical Focus AANS Publications. Volume 23 (1) July, 2007

7. **Prestigiacomo, CJ**. Case Reviewer, AANS Online Case Studies, 2006 to the present.

8. **Prestigiacomo, CJ**. Associate Editor, Cerebrovascular Newsletter, Joint Sections Cerebrovascular Surgery, AANS/CNS, 2006 to 2008.

9. **Prestigiacomo, CJ**. Topic co-editor, History of Cerebrovascular Surgery, in Neurosurgical Focus AANS Publications, Volume 20, Number 6, 2006.

10. **Prestigiacomo, CJ.** Assistant Editor in Connolly ES, McKhann GM, Huang J and Choudhri TF. Fundamentals of Operative Techniques in Neurosurgery. Thieme, New York, 2001

Chapters

1. **Prestigiacomo CJ**, Defina J**.** Cerebral Vascular Anatomy and its Clinico-Anatomic Correlates. In Davis AS A Handbook on Pediatric Neuropsychology, Springer Publishing, New York. 2011:99-107

2. Kim GS, Meyers PM, **Prestigiacomo CJ.** Endovascular transarterial treatment of dural arteriovenous fistulae. In Connolly ES et al. Fundamental of Operative Techniques in Neurosurgery (ed 2) Thieme, New York 2010, 790-793

3. **Prestigiacomo CJ**. Surgical treatment of dural arteriovenous fistulae (lateral sinus). In Connolly ES et al. Fundamental of Operavtive Techniques in Neurosurgery (ed 2) Thieme, New York. 2010:149-152

4. **Prestigiacomo CJ**. Dolenc Approach. In Connolly ES et al. Fundamentals of Operative Techniques in Neurosurgery (ed 2) Thieme, New York. 2010: 25-29

5. DeLuca J, **Prestigiacomo CJ**. Cerebral aneurysms and subarachnoid hemorrhage. In Festa JR and Lazar RM. Neurovascular Neuropsychology, Springer Science, New York, 2009; 49-58

6. **Prestigiacomo CJ**. Comment on Levy et al. Wingspan In-stent restenosis: Incidence, Clinical Presentation and Management, *Neurosurgery* 2007

7. **Prestigiacomo CJ**, Pile-Spellman J. Endovascular principles. In Stieg P, Batjer H, Samson D. Intracranial Arteriovenous Malformations Informa Healthcare Publishers, New York, 2006;159-176

8. **Prestigiacomo CJ**, Solomon RA. Periventricular arteriovenous malformations. In Stieg P, Batjer H, Samson D. Intracranial Arteriovenous Malformations Informa Healthcare Publishers, New York, 2006; 259-272

9. **Prestigiacomo CJ**, Farkas J, Hunt CD. Decision analysis in the treatment of vasospasm after aneurysmal subarachnoid hemorrhage. In Macdonald RL. Cerebral Vasospasm Thieme Publishers, New York 2004; 279-283

10. **Prestigiacomo CJ**, Berenstein A. Future endovascular management of aneurysms. In LeRoux P, Winn HR. Management of Cerebral Aneurysms Harcourt Health Sciences, Philadelphia 2004; 973-982

11. **Prestigiacomo CJ**, Quest DO. Neurosonolgy. In Winn HR. Youman's Neurological Surgery, 5th edition. W.B. Saunders and Co., Philadelphia 2004; 1561-1568

12. **Prestigiacomo CJ**. What would you do? Comment on Amar and Gunel. Cerebrovascular case presentation. Cerebrovascular News, 2004

13. **Prestigiacomo CJ**, Kupersmith MJ. Clinical challenges: carotid-cavernous fistulae. Survey of Ophthalmology 2003; 48:224-229

14. **Prestigiacomo CJ**. Thoracoscopic sympathectomy. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 795-798

15. **Prestigiacomo CJ**. Carpal tunnel release. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 984-990

16. **Prestigiacomo CJ**. Ulnar nerve decompression. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 981-983

17. **Prestigiacomo CJ**. Brachial plexus exploration. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 976-980

18. **Prestigiacomo CJ**. Endovascular treatment of carotid cavernous fistulae. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York 2002; 952-956

19. **Prestigiacomo CJ**. Endovascular carotid artery occlusion. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 957-962

20. **Prestigiacomo CJ**. Endovascular treatment of intracranial aneurysms. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 937-941

21. **Prestigiacomo CJ**. Endovascular treatment for arteriovenous malformations. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 942-946

22. **Prestigiacomo CJ**. Endovascular treatment of intracranial and spinal tumors. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 947-951

23. **Prestigiacomo CJ**. Techniques for carotid endarterectomy. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 396-402

24. **Prestigiacomo CJ**. The Orbitozygomatic Approach. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 263-267

25. **Prestigiacomo CJ**. The Dolenc Approach. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 268-275

26. **Prestigiacomo CJ**. The STA-MCA bypass. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 403-408

27. **Prestigiacomo CJ**. The reversed saphenous vein bypass. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 409-415

28. **Prestigiacomo CJ**. Percutaneous retrograde femoral artery punture. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 930-936

29. **Prestigiacomo CJ**. Shunting in syringomyelia. In Connolly ES. Fundamentals of Operative Techniques in Neurosurgery Thieme, New York. 2002; 810-813

30. **Prestigiacomo CJ**, McCormick PC. Comment on Josephson et al. A spinal thecal sac constriction model supports the theory that induced pressure gradients in the cord cause edema and cyst formation. *Neurosurgery* 2001;48:645

31. **Prestigiacomo CJ**, McCormick PC. Comment on Rosenow et al. Type IV spinal arteriovenous malformation in association with familial pulmonary vascular malformations: case report. *Neurosurgery* 2000;46:1245

32. **Prestigiacomo CJ**, McCormick PC. Spinal arteriovenous malformations in Kaye AH and Black PM. Operative Neurosurgery Harcourt Brace, London, 1999; 1973-1980

33. **Prestigiacomo CJ**, Solomon RA. Comment on Abrahams et al. Anterior choroidal artery supply to the posterior cerebral artery distribution: embryological basis and clinical applications. *Neurosurgery* 1999;44:1314

34. **Prestigiacomo CJ**. The greater Cincinnati/Northern Kentucky stroke study: Preliminary first-ever and total incidence rates of stroke among blacks. In Stroke 1998;29:415-421. *Journal of Neurovascular Disease* 1998; 4:100

35. **Prestigiacomo CJ**, Choudhri TC, Quest DO. Cervical anatomy, nerve injuries and wound complications. In Loftus CM, Kresowik TF. Textbook of Carotid Artery Surgery. Thieme, New York, 1998; 479-486

36. McCormick PC, **Prestigiacomo CJ**, Stein BM. Microsurgery for cervical spinal cord tumors. In McCulloch JA, Young PH. Essentials of Spinal Microsurgery Lippincott-Raven New York, 1998; 567-582

37. **Prestigiacomo CJ**, Solomon RA: Recurrent aneurysmal subarachnoid hemorrhage. In Bederson JB (ed): Subarachnoid Hemorrhage: Pathophysiology and Management. *AANS Press*, 1997, 189-203

38. **Prestigiacomo CJ**, Connolly ES, Jr., Quest DO: Use of carotid ultrasound as a preoperative assessment of extracranial carotid artery blood flow and vascular anatomy. *Neurosurgery Clinics of North America* 1996; 7; 577-588

C. Patents Held

1. Methods for treating an ischemic disorder and improving stroke outcome. U.S. Patent # 6,316,40, 2001, Stern D, Pinsky DJ, Connolly ES, Solomon RA, Schmidt AM, Prestigiacomo CJ.

2. Methods for treating an ischemic disorder and improving stroke outcome. European Patent # EP 0 951 292 B1, 2007, Stern D, Pinsky DJ, Prestigiacomo CJ.

3. Methods for the Use of Carbon Monoxide in Cerebral Protection (U.S. Patent Pending) Stern D, Pinsky DJ, Prestigiacomo CJ.

4. System and Method for Electrospun Drug Loaded Biodegradable Chemotherapy Applications (U.S. Patent Pending) Griswold K, Jaffe M, Prestigiacomo CJ.

D. Other Articles (Reviews, Editorials, etc.) In Journals; Chapters; Books; other Professional Communications-

1. **Prestigiacomo, CJ**. Intracranial stents as adjuncts for cerebral aneurysms: Is it worth it? *Journal of NeuroInterventional Surgery* 2:351, 2010

2. Dorne H, Zaidat O, Fiorella D, Hirsch J, **Prestigiacomo CJ**, Albuquerque F, Tarr R. Chronic cerebrospinal venous insufficiency and the doubtful promise of an endovascular treatment for multiple sclerosis. *Journal of NeuroInterventional Surgery*, 2:309-311, 2010

3. **Prestigiacomo CJ**, Oceans apart? Model ship building and neurological surgery, *CNS Quarterly* 2010; Summer:18-19.

4. **Prestigiacomo CJ**. Comment on Piotin et al. Stent-jack technique in stent-assisted coiling of wide-neck aneurysms, *Neurosurgery*, 2007

5. **Prestigiacomo CJ**. Comment on Olsen et al. Rapid clot removal for acute stroke therapy: A case report Neurosurgery, 2007

6. **Prestigiacomo CJ**. Comment on Claasen et al. Generalized convulsive status epilepticus after nontraumatic subarachnoid hemorrhage: the Nationwide Inpatient Sample. Neurosurgery, 2007

7. **Prestigiacomo CJ**. Comment on Bendok et al. The Use of Heparin-Coated Stents in Neurovascular Interventional Procedures: Preliminary Experience with Ten Patients Neurosurgery, 2006

8. **Prestigiacomo CJ**. Comment on Ravindran et al. Appropriateness of out-of-hours CT head scans. Emergency Radiology, 2006

9. **Prestigiacomo CJ**. Comment on Parkinson et al. The use of heparin-coated stents in Neurovascular interventional procedures: Preliminary experience with 10 patients. Neurosurgery, 2006

10. **Prestigiacomo CJ**. Brain Attack: Moving swiftly to treat stroke. Gold Cross Leonard Publications, Spring, 2003; 14-22

11. Cox V, **Prestigiacomo CJ**. Nursing care of acute patients after receiving rt-PA therapy. In J Neuroscience Nursing 1997; 29:373-383. *Journal of Neurovascular Disease* 1998;3:101

12. **Prestigiacomo CJ**, Pile-Spellman J. The effect of cigarette taxes on cigarette consumption, 1955-1994. In Am J Public Health 1997; 87:1126-1130. *Journal of Neurovascular Disease* 1997; 2:220

13. **Prestigiacomo CJ**, Pile-Spellman J. Relationship between prothrombin activation fragment F1.2 and INR in patients with atrial fibrillation. In Stroke 1997;28:1101-1106. *Journal of Neurovascular Disease* 1997; 2:220

E. Abstracts-

1. Petrov D, Gandhi C, **Prestigiacomo CJ**. Correlation betwen high temperature and incidence of ischemic stroke: a retrospective hospital-based study. Annual Meeting of the Society for NeuroInterventional Surgery, 2011

2. **Prestigiacomo CJ**. Derived Biomorphometric Criteria Can Predict Aneurysm Rupture Status: A CT Angiographic Analysis, International Stroke Conference, 2011.

3. Kellogg M, Brimacombe M, **Prestigiacomo CJ**. Correlation betwen high barometric pressure and incidence of aneurysmal subarachnoid hemorrhage: a retrospective hospital-based study. Congresso Nazionale Societa Italiana di Neurochirurgia, 2010.

4. He W, Gandhi CG, Quinn J, Karimi R, **Prestigiacomo CJ**. True aneurysjms of the posterior communicating artery: a systematic review and meta-analysis of individual patient data. Congresso Nazionale Societa Italiana di Neurochirurgia, 2010.

5. **Prestigiacomo CJ**, Cornett O, El-Gengaihy A, Gandhi CD. Volume di coils nel trattamento di aneurisme cerebrale e le correlazioni di ricorrenza. Congresso Nazionale Societa Italiana di Neurochirurgia, 2010.

6. Kellogg M, Brimacombe M, **Prestigiacomo CJ**. The effect of meterological variables and season on the incidence of rupture of intracranial aneurysms in central New Jersey, Congress of Neurological Surgeons Annual Meeting, 2010.

7. He W, Gandhi C, Quinn J, Karimi R, Catrambone J, **Prestigiacomo CJ**. A systematic review and meta-analysis of individual patient data of true aneurysms of the posterior communicating artery. Congress of Neuological Surgeons Annual Meeting , 2010.

8. El-Gengaihy A, Dawood A, Cornett O, **Prestigiacomo CJ**, Gandhi C. Arteriovenous malformation management via endovascualr embolization: Onyx vs.n-butyl cyanoacrylate. Societyof NeuroInterventional Surgery Annual Meeting , 2010.

9. Cornett O, El_Gengaihy A, Gandhi C, **Prestigiacomo CJ**. Coil-packing volume in the treatment of ruptured intracranial aneurysms and the rate of recurrence. Societyof NeuroInterventional Surgery Annual Meeting , 2010.

10. He W, Gandhi C, Quinn J, Karimi R, Catrambone J, **Prestigiacomo CJ**. True aneurysms of the posterior communicating artery: A systematic review and meta-analysis of individual patient data. Societyof NeuroInterventional Surgery Annual Meeting , 2010.

11. Kraus J, Gandhi C, **Prestigiacomo CJ**. Continuous intra-arterial nicardipine infusion for the treartment of severe refractory vasospasm from aneurysmal subarachnoid hemoirrhage. Congress of Neuological Surgeons Annual Meeting , 2010

12. Cusack T, Quinn J, Gandhi C, **Prestigiacomo CJ**. Biomorphometric analysis and comparison of ruptured and unruptured aneurysms of the ophthalmic artery. American Association of Neurological Surgeons Annual Meeting, 2010.

13. Thaker NG, Turner JD, Cobb WS, Quinn J, Catrambone J, He W, Gandhi C, **Prestigiacomo CJ**. Computed Tomographic Angiography vs. Digital Subtraction Angiography for Post-operative Assessment of Residual Aneurysms: A Meta-Analysis. American Association of Neurological Surgeons Annual Meeting, 2010.

14. DeFina P, Moser R, Friedman J, **Prestigiacomo CJ**. Advanced treatment algorithms for severe disorders of consciuosness. International Brain Injury Association Annual Meeting, 2010.

15. Tsui K, **Prestigiacomo CJ**. Predicting middle cerebral aneurysm rupture status through the application of CTA-derived biomorphometric analysis. Cerebrovascular Section Annual Meeting, 2010.

16. Karimi R, **Prestigiacomo CJ**, Gandhi C. Improved three-dimensional visualization of cerebral vessels and vascualr lesions using high-definition volume rendering. Cerebrovascular Section Annual Meeting, 2010.

17. Singh R, Garg R, Quinn J, He W, **Prestigiacomo CJ**, Gandhi C. Morphological parameters used to predict risk of rupture for intracranial anterior communicating artery aneurysms. Cerebrovascular Section Annual Meeting, 2010.

18. Singh R, Mitchel L, **Prestigiacomo CJ**, Gandhi C. Visualization of microvascular decompression for trigeminal neuralgia in a 3D stereoscopic virtual reality environment. Cerebrovascular Section Annual Meeting, 2010.

19. Hussain I, Quinn J, He, W, Gandhi C, **Prestigiacomo CJ**. Predicting PICA aneurysm rupture status through the application of cta-derived biomorphometric analysis. Cerebrovascular Section Annual Meeting, 2010.

20. El-Gengaihy A, Dawood A, **Prestigiacomo CJ**, Cornett O, Gandhi CD. Endovascular embolization of brain arteriovenous malformations: Comparison of Onyx vs. N-butyl cyanoacrylate. Cerebrovascular Section Annual Meeting, 2010.

21. Kraus J, El-Gengaihy A, **Prestigiacomo CJ**, Gandhi C. Novel use of Onyx liquid embolic system for the treatment of traumatic internal carotid transection. Society of Vascualr and Inteventional Neurology, 2010

22. Cornett O, Gandhi C, **Prestigiacomo CJ**. Symptomatic cerebral vasospasm in aneurysmal subarachnoid hemorrhage relates to serum sodium.. Society of Vascular and Interventional Neurology, 2010

23. El-Gengaihy A, Dawood A, **Prestigiacomo CJ**, Cornett O, Gandhi CD. Endovascular embolization of brain arteriovenous malformations: Comparison of Onyx vs. N-butyl cyanoacrylate. Society of Vascular and Interventional Neurology, 2010.

24. Quinn J, He W, Gandhi C, Romano K, Pendergass J, **Prestigiacomo CJ**. Biomorphometric markers reflect rupture status in posterior communicating artery aneurysms. Congress of Neurological Surgeons Annual Meeting, 2009.

25. Singh R, Mitchel L, **Prestigiacomo CJ,** Gandhi C. Visualization of microvascular decompression for trigeminal neuralgia in a 3D stereoscopic virtual reality environment. Dean's Day for Medical Student Research, New Jersey Medical School, 2009.

26. Dawood A, El-Gengaihy A, **Prestigiacomo CJ**, Cornett O, Gandhi CD. Endovascular embolization of brain arteriovenous malformations: Comparison of Onyx vs. N-butyl cyanoacrylate. Dean's Day for Medical Student Research, New Jersey Medical School, 2009.

27. Singh R, Garg R, Quinn J, He W, **Prestigiacomo CJ**, Gandhi C. Morphological parameters used to predict risk of rupture for intracranial anterior communicating artery aneurysms. Dean's Day for Medical Student Research, New Jersey Medical School, 2009.

28. Cusack T, Quinn J, Gandhi C, **Prestigiacomo CJ**. Biomorphometric analysis and comparison of ruptured and unruptured aneurysms of the ophthalmic artery. Dean's Day for Medical Student Research, New Jersey Medical School, 2009

29. Shhadeh A, Hoover S, Gardner K, Cornett O, **Prestigiacomo CJ**, Gandhi C. Aneurysm configuration predicts the probability of recanalization after coil embolization . Society of NeuroInterventional Surgery Annual Meeting, 2009.

30. Shhadeh A, Hoover S, Gardner K, Cornett O, Gandhi C, **Prestigiacomo CJ**. Aneurysmaspect ratio predicts the probability of recanalization after coil embolization. Society of NeuroInterventional Surgery Annual Meeting, 2009.

31. Shhadeh A, Hoover S, Gardner K, Cornett O, El-Gengaihy A, Gandhi C, **Prestigiacomo CJ**. Aneurysm location affects the durability of coil embolization. Society of NeuroInterventional Surgery Annual Meeting, 2009

32. Quinn J, He W, Gandhi C, Romano K, Pendergass J, **Prestigiacomo CJ**. Biomorphometric markers for aneurysm rupture in posterior communicating artery aneurysms. Society of NeuroInterventional Surgery Annual Meeting, 2009.

33. **Prestigiacomo CJ**, He W. Rupture probability in patients with multiple aneurysms: a logistic regression analysis. American Association of Neurological Surgeons, 2009.

34. Jenssen JR, Yuen D, Maniker A, Crawford A, Souyah N, **Prestigiacomo CJ**, Li S. Compression-resistant collagen-based nerve guide for peripheral nerve repair. Society for Biomaterials, 2009.

35. Ganc D, Baredes S, **Prestigiacomo CJ**. Intraparotid gland aneurysm: A case report. Triological Society Annual Meeting, 2008.

36. Hoover SL, Choudhry O, Hassan AE, **Prestigiacomo CJ**, Kirmani JF. Quantification and Comparison of Techniques for Measuring Cerebral Vasospasm on CTA as Determined by TCD. American Academy of Neurology, 2008.

37. Hoover S, Hassan AE, Marcelino R, **Prestigiacomo CJ**, Alkawi A, Kirmani JF. Poor correlation of CT angiogram with TCD findings in cerebral vasospasm following rupture of intracranial aneurysms. American Society of Neuroimaging, 2008.

38. Hoover SL, Choudhry O, Hassan AE, **Prestigiacomo CJ**, Kirmani JF. Quantification and Comparison of Techniques for Measuring Cerebral Vasospasm on CTA as Determined by TCD. Society of Vascular Interventional Neurology, 2008.

39. Hoover S, Hassan AE, Marcelino R, **Prestigiacomo CJ**, Alkawi A, Kirmani JF. Poor correlation of CT angiogram with TCD findings in cerebral vasospasm following rupture of intracranial aneurysms. American Academy of Neurology, 2008.

40. Catrambone J, **Prestigiacomo CJ**, He W, Gandhi C, Carmel PW. Virtual reality preoperative planning and iMRI in the treatment of pediatric lesions. Congress of Neurological Surgeons, 2008.

41. Sukul VV, Gandhi CD, Catrambone JE, **Prestigiacomo CJ**. Microvascular decompression for trigeminal neuralgia: Visualization of results in a 3D Stereoscopic virtual reality environment. Congress of Neurological Surgeons, 2008.

42. Tran BC, **Prestigiacomo CJ**. An awake craniotomy with ketamine, propofol and fentanyl: A case report. American Society of Aneshtesiologists, 2008

43. Catrambone J, **Prestigiacomo CJ**, He W, Gandhi C, Carmel PW. Virtual reality preoperative planning and iMRI in the treatment of pediatric lesions. Annual Meeting of Pediatric Neurosurgery, 2008.

44. Sukul VV, Karimi RJ, Pasupuleti L, Pak JR, **Prestigiacomo CJ**. Surgical approaches to complex vascular lesions: The use of virtual reality and stereoscopic

analysis as a tool for resident student education. Congress of Neurological Surgeons, 2007.

45. Karimi RJ, Schwartz PJ, **Prestigiacomo CJ**. Intensive fluid management in patients with aneurysmal subarachnoid hemorrhage: Plasma B-type natriuretic peptide (BNP) levels in the rapid assessment if volume status during acute cardiopulmonary decompensation. Congress of Neurological Surgeons, 2007.

46. **Prestigiacomo CJ**, Sukul VV, Pak JR, Pasupuleti L, Thrumond J. In situ modification of stent morphology as detected by non-invasive imaging: Proff of concept. American Society of Interventional and Therapeutic Neuroradiology, 2007

47. Thurmond J, Pak JR, Pasupuleti L Kasper L, **Prestigiacomo CJ**. Visual loss in the endovascular treatment of ophthalmic region aneurysms. American Society of Interventional and Therapeutic Neuroradiology, 2007

48. Sukul V, Thurmond J, Pak J, Pasupuleti L, **Prestigiacomo CJ**. Treatment options for basilar artery dolichoectasia. American Society of Interventional and Therapeutic Neuroradiology, 2007

49. Pasupuleti L, Sukul V, Pak J, Thurmond J, Mittal N, Kasper L, Chung S, **Prestigiacomo CJ**. The use of 3-dimensional virtual reality technology to detect vascular shift after endovascular stenting. American Society of Interventional and Therapeutic Neuroradiology, 2007

50. **Prestigiacomo CJ**, He W, McIntosh T, Catrambone JE, Chung S, Kasper L, Pasapulati L, Mittal N. Predicting rupture probabilities through the application of a CTA-derived binary logistic regression model. American Association of Neurological Surgeons, 2007

51. **Prestigiacomo CJ**, Paupuleti L, Mittal N, Chung S, Kasper L. Vascular shift secondary to varying clip placement as detected by the use of 3-D virtual reality technology: A pilot study. American Association of Neurological Surgeons, 2007

52. **Prestigiacomo CJ**, Paupuleti L, Mittal N, Chung S, Kasper L. Assessing vascular shift secondary to clip placement by 3-D virtual reality technology. American Joint Meeting of the Congress of Neurosurgeons and Italian Neurosurgical Society (Societa' Italiana di Neurochirurgia), 2007

53. **Prestigiacomo CJ**, Kasper L, Pasupuleti L, Chung S. Sensitivity of computed tomographic angiography detection of distal mycotic aneurysms status post intracerebral hemorrhage. American Joint Meeting of the Congress of Neurosurgeons and Italian Neurosurgical Society (Societa' Italiana di Neurochirurgia), 2007

54. Sabit A, Jethwa P, **Prestigiacomo CJ**. Three-dimensional computed tomographic angiography (3D CTA) vs. digital subtraction angiography (DSA) in the detection of intracranial aneurysms in spontaneous subarachnoid hemorrhage (SAH). American Association of Neurological Surgeons, 2006

55. Sabit A, Jethwa P, **Prestigiacomo CJ**. Sensitivity and Specificity of 3-Dimensional computerized tomographic angiography (3D CTA) for detecting aneurysms in idiopathic subarachnoid hemorrhage. American Association of neurological Surgeons, 2006

56. **Prestigiacomo CJ**, He W, Near L, Cobb W, Karimi R, Catrambone JE, Janjua N, Farrow MG. Can mathematical modeling predict aneurysmal rupture? A new binary logistic regression model. American Association of Neurological Surgeons, 2006

57. Gupta G, **Prestigiacomo CJ**. The use of bone wax in cranial surgery-fifty years before Horsley. American Association of Neurological Surgeons, 2006

58. Catrambone JE, Reddy A, He W, **Prestigiacomo CJ**, Carmel PW. Analysis of factors involved in cerebral contusion volume changes. American Association of Neurological Surgeons, 2006

59. Catrambone JE, He W, Kapoor M, **Prestigiacomo CJ**. Determination of the contour line of the optic disc in Heidelberg Retina Tomograph II (HRT II) papilledema images. American Association of Neurological Surgeons, 2006

60. Catrambone JE, He W, O'Connell WG, Kapoor M, **Prestigiacomo CJ**, Carmel PW. Post-surgical optic disc changes in Chiari I patients. American Association of Neurological Surgeons, 2006

61. Janjua N, **Prestigiacomo CJ**. Varied clinical presentations of internal carotid agenesis and hypoplasia. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2006

62. Pasupuleti L, Kasper L, Xavier A, Janjua N, **Prestigiacomo CJ**. The use of computed tomographic angiography in the detection of type I spinal dural arteriovenous malformations. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2006

63. **Prestigiacomo CJ**, Hauptman J, He W, Pasupuleti L, Setton A, Farrow MG, Kasper L, Karimi R, Catrambone JE. True aneurysms of the posterior communicating artery: Are they more prone to rupture? A morphometric analysis. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2006

64. Setton A, **Prestigiacomo CJ**, Niimi Y, Savier A, Farrow MG, Berenstein A. Dual microcatheter technique for the treatment of acutely ruptured aneurysms with wide necks. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2006

65. Kasper L, Pasupuleti L, **Prestigiacomo CJ**. Computed tomographic angiography detection of distal mycotic aneurysms in the setting of acute intracerebral hemorrhage. Congress of Neurological Surgeons, 2006

66. Catrambone JE, He W, **Prestigiacomo CJ**, Schulder M, Carmel PW. Scanning laser ophthalmoscopic changes in brain tumor patients. Congress of Neurological Surgeons, 2006

67. Kasper L, Pasupuleti L, **Prestigiacomo CJ**. The use of computed tomographic venography in the diagnosis and management of intracranial sinus throbosis. Congress of Neurological Surgeons, 2006

68. Catrambone J, He W, **Prestigiacomo CJ**. Analysis of subdural empyema: A retospective study. AANS/CNS Section on Pediatric Neurosurgery, 2006

69. **Prestigiacomo CJ**, Cobb W, Kasper L. L'usanza dell'angiografia tomografica computata e il dextroscope per l'evaluazzione di residue dopo riparazione

microchirurgica per aneurisme cerebrale. 55º Congresso Societa' Italiana Neurochirurgia., 2006

70. Liu W, Mahmood M, Bhagat N, Feldman SC, **Prestigiacomo CJ**, Rao SB. Deactivation in patients with cerebral arteriovenous malformations. RSNA, 2006.

71. **Prestigiacomo CJ**, Farkas J, Hunt CD. Decision analysis in the treatment of vasospasm after aneurysmal subarachnoid hemorrhage. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2005

72. Lott DA, Chaudhry H, Siegel M, **Prestigiacomo CJ**. Orientation of an aneurysm clip along the neck affects shear stress and flow velocities within a residual aneurysm and its parent vessel. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2005

73. Baisre A, Mittal N, Sharer LR, Cho ES, Hunt CD, Farkas J, **Prestigiacomo CJ**. Vascular inflammation with eosinophils after the use of Truefill [n-butyl-cyanoacrylate (NBCA)] liquid embolic system. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2005

74. Catrambone JE, **Prestigiacomo CJ**, Sernas TC, Schulder ME. In vitro study of potential intraoperative contrast agents. American Association of Neurological Surgeons, 2005

75. Catrambone JE, **Prestigiacomo CJ**, He Wenzhuan. SLO: The application detecting increased intracranial pressure. American Association of Neurological Surgeons, 2005

76. Near L, Janjua N, **Prestigiacomo CJ**. CT angiography of spinal vascular malformation**.** American Society of Neuroradiology, 2005

77. Xavier AR, **Prestigiacomo CJ**, Farkas J. Role of CT angiography in selecting patients with acute ischemic stroke for intra-arterial thrombolysis. American Society of Neuroradiology, 2005

78. Gupta G, Xavier AR, **Prestigiacomo CJ**. History of the diagnosis and treatment of spinal AVMs. From the first myelogram in 1927 to embolization in 2004. American Society of Neuroradiology, 2005

79. Griswold K, Jaffe M, **Prestigiacomo CJ**. Applications of Electrospinning: Drug Delivery System for Intracranial Tumors. BMES Conference, 2005

80. Catrambone JE, He W, **Prestigiacomo CJ**, Carmel PW. Monitoring papilledema with the Heidelberg Retina Tomograph (HRT II) in a patient with a ruptured aneurysm. Congress of Neurological Surgeons, 2005

81. Catrambone JE, **Prestigiacomo CJ**, He W, Carmel PW. Quantitatively grading papilledema with Heidelberg Retina Tomograph II (HRT II). Congress of Neurological Surgeons, 2005

82. Catrambone JE, **Prestigiacomo CJ**, He W, Carmel PW. Using Heidelberg Retina Tomograph II (HRT II) in Chiari I malformation patients. Congress of Neurological Surgeons, 2005

83. Near L, Xavier A, **Prestigiacomo CJ**. Three-dimensional microcatheter cerebral angiography enhances analysis of arteriovenous malformations. Congress of Neurological Surgeons, 2005

84. Xavier A, Near L, **Prestigiacomo CJ**. Treating giant intracranial aneurysms using a multiple microcatheter technique. Congress of Neurological Surgeons, 2005

85. **Prestigiacomo CJ**, Near L, He W, Cobb W, Janjua NA, Catrambone JE. The geometry of aneurysms: How geometric relationships correlate with rupture. Congress of Neurological Surgeons, 2005

86. **Prestigiacomo CJ**, Cobb W, Near L, Xavier A, Janjua N, Catrambone JE, He W. The use of CT angiography vs. catheter angiography in the post-operative evaluation of surgically treated aneurysms. Congress of Neurological Surgeons, 2005

87. Catrambone JE, **Prestigiacomo CJ**, He W, Carmel PW. CT-angiography in the Pediatric population. Congress of Neurological Surgeons, 2005

88. Xavier AR, Kirmani JF, Ionita CC, **Prestigiacomo CJ**, Qureshi AI. Cerebral venous system. American Society of Neuroimaging, 2004

89. Qureshi AI, Suri FK, Kirmani JF, Xavier AR, **Prestigiacomo CJ**, Chan YF, Low RB. Intra-arterial thrombolysis for acute ischemic stroke in the United States. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2004

90. Kirmani JF, Rahman MA, Chowdhury FR Ahmed S, Ionita CC, Xavier AR, **Prestigiacomo CJ**, Qureshi AI. Perihematoma perfusion deficit predicts hematoma expansion and neurological deterioration in patients with acute intracerebral hemorrhage. American Heart Association. Stroke, 2004

91. Divani AA, Xavier AR, Kirmani JF, **Prestigiacomo CJ**, Hoffman K, Qureshi AI. Comparison of one and two-marker methods for measuring magnification of intracranial vessels in conventional angiography. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2004

92. Kirmani JF, Chowdhury FR, Ahmed S, Rahman MA, Ionita CC, Divani AA, Xavier AR, **Prestigiacomo CJ**, Qureshi AI. Bleeding complications associated with emergent conventional angiography following intravenous thrombolysis in cardiac literature: a meta-analysis of TIMI and TAMI. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2004

93. Qureshi AI, Suri FK, Kirmani JF, Xavier AR, **Prestigiacomo CJ**, Chan YF, Low R. Intra-arterialthrombolysis for acute ischemic stroke in the US. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2004

94. Lott DA, Chaudhry H, Siegel M, **Prestigiacomo CJ**. The configuration of the aneurysm neck and proximal dome profoundly affect shear stress and flow velocities within an aneurysm and its parent vessel. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2004

95. Lott DA, Chaudhry H, Siegel M, **Prestigiacomo CJ**. 2-dimensional finite element analysis model to assess flow characteristics of an in vitro aneurysm model. Joint

Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2004

96. Catrambone JE, **Prestigiacomo CJ**, Carmel PW. Intraoperative Imaging and localization with contrast agents. American Association of Neurological Surgeons, 2004

97. Shanmugasundaram S, Griswold KA, **Prestigiacomo CJ**, Arinzeh T, Jaffe M. Applications of electrospinning: tissue engineering scaffolds and drug delivery system. Northeastern Bioengineering Conference, 2004

98. Catrambone JE, **Prestigiacomo CJ**, Espinosa M, He W. CT-angiography in the pediatric population. AANS Pediatric Conference, 2004

99. Catrambone JE, **Prestigiacomo CJ**, He W. SLO : The application in detecting increased intracranial pressure. AANS Pediatric Conference, 2004

100. Farkas J, Hinrichs C, Gor D, Hidalgo A, **Prestigiacomo CJ**. Intra-arterial thrombolysis using r-TPA: Initial angiographic outcomes. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2003

101. **Prestigiacomo CJ**, Farkas J, Rosen A. Essential venous tinnitus secondary to an acquired contralateral sinus stenosis: Angiographic demonstration with sinus pressure correlation**.** Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2003

102. **Prestigiacomo CJ**, Setton A, Niimi Y, Kupersmith MJ, Berenstein A. Compartments of the cavernous sinus: clinical and therapeutic implications in the setting of arteriovenous shunts of the anterior compartment. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2003

103. **Prestigiacomo CJ**, Niimi Y, Setton A, Smith W, Berenstein A. Usefulness and safety in the use of rotational 3-D angiography in the treatment of vascular lesions of the maxillofacial region and neuroaxis. Joint Sections Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2003

104. **Prestigiacomo CJ**, Hunt CD, Heary RF, Azmi-Ghadimi H, Farkas J. The use of intraventricular TPA in Fisher 4 subarachnoid hemorrhage after endovascular treatment of ruptured cerebral aneurysms. American Association of Neurological Surgeons**,** 2003

105. Farkas J, **Prestigiacomo CJ**, Hunt CD. Multi-slice CT angiography as the initial modality for the assessment of spontaneous subarachnoid hemorrhage. American Association of Neurological Surgeons, 2003

106. **Prestigiacomo CJ**. Historical perspectives on the microsurgical and endovascular treatment of cerebral aneurysms. American Association of Neurological Surgeons**,** 2003

107. Farkas J, Hunt CD, **Prestigiacomo CJ**. CT angiographic evaluation of acutely decreased cerebral perfusion pressure. Neurosurgical Society of America, 2003

108. **Prestigiacomo CJ**, Setton A, Niimi Y, Hunt CD, Farkas J, Berenstein A. The "true" posterior communicating artery aneurysm: angiographic appearance and associations, Society of University Neurosurgeons, 2003

109. **Prestigiacomo CJ**, Farkas J, Hunt CD. Decision analysis in the treatment of vasospasm after aneurysmal subarachnoid hemorrhage. International Conference on Cerebral Vasospasm, 2003

110. Langer DJ, **Prestigiacomo CJ**, Flamm ES, Berenstein A: Management of residual anterior communicating artery aneurysms in patients with subarachnoid hemorrhage. Joint Sections of Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2002.

111. Niimi Y, Setton A. **Prestigiacomo CJ**, Berenstein A: Three-dimensional angiography of spinal AVMs. Joint Sections of Cerebrovascular Surgery and American Society of interventional and Therapeutic Neuroradiology, 2002.

112. **Prestigiacomo CJ**, Niimi Y, Bueno de Camargo A, Szelenyi A, Deletis V, Berenstein A: Intraprocedural electrophysiologic facial nerve monitoring during sclerotherapy for venous malformations of the face. Joint Sections of Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, 2002.

113. **Prestigiacomo CJ**, Setton A, Niimi Y, Albert R, Berenstein A: Intra-arterial ethanol embolization as a palliative treatment for metastatic lesions of the spine. Joint Sections of Spine and Peripheral Nerve Surgery, 2002.

114. Niimi Y, Berenstein A, Setton A, **Prestigiacomo CJ**: Multifocality of spinal perimedullary arteriovenous fistulae undiagnosed on the diagnostic angiogram. Japanese Society of Intravascular Neurosurgeons, 2002.

115. **Prestigiacomo CJ**, Setton A, Niimi Y, Kupersmith MJ, Berenstein A. Compart mentalization of the Cavernous Sinus: Clinical and Therapeutic Implications in the Setting of Arteriovenous Shunts of the Anterior Compartment. Congress of Neurological Surgeons, 2002

116. **Prestigiacomo CJ**, Niimi Y, Setton A, Smith W, Berenstein A. Usefulness and Safety in the Use of Rotational 3-D Angiography in the Treatment of Vascular Lesions of the Maxillofacial Region and Neuroaxis. Congress of Neurological Surgeons, 2002

117. Schwartz LF, **Prestigiacomo CJ**, Poulad D, Flamm ES, Berenstein: Morbidity assessment in the treatment of PICA aneurysms. American Association of Neurological Surgeons, 2002

118. **Prestigiacomo CJ**, Setton A, Niimi Y, Kupersmith MJ, Berenstein A. Compartmentalization of the cavernous sinus: clinical and therapeutic implications in the setting of arteriovenous shunts of the anterior compartment. Congress of Neurological Surgeons**,** 2002

119. **Prestigiacomo CJ**, Niimi Y, Setton A, Smith W, Berenstein A. Usefulness and safety in the use of rotational 3-D angiography in the treatment of vascular lesions of the maxillofacial region and neuroaxis. Congress of Neurological Surgeons**,** 2002

120. Hwang G, Berenstein A, Setton A, Niimi Y, Pryor J, **Prestigiacomo CJ**: Endovascular treatment of superior hypophyseal artery aneurysms: Immediate and long-term results. American Society of Neuroradiology, 2001.

121. Setton A, **Prestigiacomo CJ**, Albert R, Niimi Y, Berenstein A: Intraarterial ethanol embolization as a palliative treatment for metastatic lesions of the spine. American Society of Neuroradiology, 2001

122. **Prestigiacomo CJ**, Setton A, Niimi Y, Pryor JC, Kupersmith M, Wong JH, Berenstein A: Recognition and imaging of "true" posterior communicating artery aneurysms. Congress of Neurological Surgeons, 2001.

123. **Prestigiacomo CJ**, Setton A, Niimi Y, Pryor JC, Kupersmith M, Wong JH, Berenstein A: Anatomic configuration associated with aneurysms of the upper basilar trunk: Endovascular management consideration. Congress of Neurological Surgeons, 2001.

124. Wong JH, Berenstein A, Setton A, Niimi Y, Pryor JC, **Prestigiacomo CJ**, Albert RL: Grading the degree of occlusion of cerebral aneurysms after endovascular coiling: Proposal and utility. Congress of Neurological Surgeons, 2001.

125. Niimi Y, Berenstein A, **Prestigiacomo CJ**, Setton A: Three-dimensional angiography of spinal cord AVMs. World Federation of Interventional and Therapeutic Neuroradiology, 2001.

126. Solomon RA, Connolly ES, **Prestigiacomo CJ**, Pile-Spellman J, Khandji AT: Management of residual dysplastic vessels after cerebral arteriovenous malformation resection: implications for postoperative angiography. American Association of Neurological Surgeons, 2000.

127. Duong H, Joshi S, Ostapkovitch N, **Prestigiacomo CJ**, Vang M, Pile-Spellman J: Role of nitric oxide in the regulation of cerebral blood flow: Joint Sections of Cerebrovascular Surgery and ASITN, 1999.

128. Aagaard B, Pile-Spellman J, Young WL, Joshi S, Duong DH, Hartmann A, Kahn RA, Rubin DA, **Prestigiacomo CJ**, Ostapkovich ND: Endovascular embolization of high-flow cerebral arteriovenous malformations under adenosine-induced cardiac pause. Joint Sections of Cerebrovascular Surgery and ASITN, 1999.

129. **Prestigiacomo CJ**, Solomon RA, Connolly ES: False giant aneurysms secondary to rupture of small proximal internal carotid berry aneurysms: Radiographic characteristics and clinical management. American Association of Neurological Surgeons, 1999.

130. **Prestigiacomo CJ**, Solomon RA, Connolly ES: False giant aneurysms secondary to rupture of small proximal internal carotid berry aneurysms: Radiographic characteristics and clinical management. American Association of Neurological Surgeons, 1999

131. **Prestigiacomo CJ**, Hacein-Bay L, Pile-Spellman J, Solomon RS: Treatment of inoperable carotid aneurysms with endovascular carotid occlusion following extracranial-intracranial bypass surgery. American Association of Neurological Surgeons, 1998.

132. **Prestigiacomo CJ**, Hacein-Bay L, Pile-Spellman J: Multimodality treatment of pseudoaneurysms of the carotid and vertebral arteries: A report of 10 cases and review of the literature. Joint Sections of Cerebrovascular Surgery and ASITN, 1998.

133. Duong H, Joshi S, Ostapkovitch N, **Prestigiacomo CJ**, Vang M, Pile-Spellman J: Role of nitric oxide in the regulation of cerebral blood flow. Eastern Neuroradiological Society, 1998.

134. **Prestigiacomo CJ**, Solomon RA, Pile-Spellman J: Clinical decision making in interventional neuroradiology: Decision analysis for surgical clipping vs. GDC therapy. Eastern Neuroradiological Society, 1998.

135. Lee JA, Choudhri TF, Connolly ES, Hoh BL, Quest DO, Solomon RA, **Prestigiacomo CJ**, Schmidt AM: Association of soluble vascular cell adhesion molecule-1 (s-VCAM-1) and intracellular adhesion molecule-1 (sICAM-1) levels with transient ischemic attacks and carotid stenosis. 22nd International Joint Conference on Stroke and Cerebral Circulation, 1997.

136. Choudhri TF, Hoh BL, **Prestigiacomo CJ**, Huang J, Kim LJ, Schmidt AM, Kiesel W, Connolly ES, Pinsky DJ: Active-site blocked factor IXa limits microvascular thrombosis and cerebral injury in murine stroke without increasing intracerebral hemorrhage. Annual Meeting of the Congress of Neurological surgeons, 1997.

137. Connolly ES, Jr., Adams DC, Heyer EJ, Steneck SD, **Prestigiacomo CJ**, Quest DO, Altman J, Choudhri TF, Solomon RA: Fixed heparin dosing: prospective study of activating clotting times and neurophysiological outcome in patients undergoing carotid endarterectomy. Joint Section on Cerebrovascular Surgery, 1997.

138. **Prestigiacomo CJ**, Solomon RA, Pile- Spellman J: Clinical decision-making in interventional neuroradiology: Decision analysis for surgical clipping vs. GDC therapy. American Society of Interventional and Therapeutic Neuroradiology, 1997.

139. **Prestigiacomo CJ**, Hacein-Bay L: Treatment of inoperable carotid aneurysms with endovascular carotid occlusion following extracranial-intracranial bypass surgery. Eastern Neuroradiological Society, 1997.

140. **Prestigiacomo CJ**, Hacein-Bay L: Combined operative and endovascular approach in complex intracranial aneurysms. Eastern Neuroradiological Society, 1997.

141. Kim SC, **Prestigiacomo CJ**, Connolly ES, Singh M, Huang J, Guluma K, Solomon RA: The role of matrix metalloproteinase-9 (MMP-9) in the pathogenesis of cerebral aneurysms. NIH & AAMMC Research and Poster Session, 1996.

142. Connolly ES, Winfree CJ, Solomon RA, **Prestigiacomo CJ**, Pinsky DJ, Schmidt AM: Advanced glycated end-products cause larger infarcts and worsen outcome in a murine model of focal cerebral ischemia. American Heart Association 21st International Joint Conference on Stroke and Cerebral Circulation, 1996.

143. Connolly ES, Winfree CJ, **Prestigiacomo CJ**, Kim SC, Stern DM, Solomon RA, Pinsky DJ: Improved stroke outcome in transgenic p53 null mice following transient focal cerebral ischemia. Annual Meeting of the American Association of Neurological Surgeons, 1996.

144. Fiore A, Connolly ES Jr, Winfree CJ, **Prestigiacomo CJ**, Kim SC, Choi Y-JA, Goldman JE, Solomon RA: Elastin degradation in systemic arteries of patients with cerebral aneurysms reflects changes in serum elastase. Joint Section of Cerebrovascular Disease, 1996.

145. **Prestigiacomo CJ**, Kim SC, Connolly ES, Jr., Winfree CJ, Solomon RA, Pinsky DJ: CD-18 mediated neutrophil recruitment contributes to the pathogenesis of reperfused but not non-reperfused stroke. 69th Scientific Sessions of the American Heart Association, 1996.

146. Choudhri TF, **Prestigiacomo CJ**, Kim SC, Connolly ES, Feldstein NF: Brainstem width and tentorial angle correlate with outcome following decompression for type I Chiari malformation. Annual Meeting for the Joint Sections on Pediatric Neurosurgery, 1996.

147. **Prestigiacomo CJ**, Connolly ES, Kim SC, Stein BM: Intracerebral venous malformation with arterial blood supply: a true mixed AVM. Report of three cases and a review of the literature. Annual Meeting of the Congress of Neurological Surgeons, 1996.

148. Winfree CJ, Connolly ES jr., **Prestigiacomo CJ**, Kim SC, Naka Y, Solomon RA, Pinsky DJ: Absence of the P-selectin gene reduces post-ischemic cerebral neutrophil accumulation, no-reflow, and tissue injury in a murine model of reperfused stroke. Annual Meeting of the Congress of Neurological Surgeons, 1996.

149. **Prestigiacomo CJ**, Baker CJ, Kim SC, Solomon RA, Quest DO: Perioperative risk and long-term outcome of carotid endarterectomy in octagenarians. Annual Meeting of the Congress of Neurological Surgeons, 1996.

150. **Prestigiacomo CJ**, Kim SC, Smith EW, Liao H, Connolly ES, Jr., Winfree CJ, Poli V, Solomon RA, Pinsky DJ: Exacerbation of focal cerebral ischemic injury in mice deletionally mutant for the IL-6 gene: a putative neuroprotective role for IL-6. Annual Meeting of the Congress of Neurological Surgeons, 1996.

151. Baker CJ, Onesti ST, Barth KNM, **Prestigiacomo CJ**, Solomon RA: Hypothermic protection following middle cerebral artery occlusion in the rat. American Heart Association 16th. International Joint Conference on Stroke and Cerebral Circulation, 1991.

F. Reports

1. NQF Measure Submission for Stroke and Death after Carotid Revascularization 2011

2. Report to the Department of Defense. Disorders of Consciousness and Novel Therapies to Improve Outcome to the Wounded Warriors, 2009

3. Response to CAG 00085R3: Percutaneous Transluminal Angioplasty (PTA) of the Carotid Artery Concurrent with Stenting – Proposed Changes, February 1, 2007 on behalf of the ASITN and Joint Section Cerebrovascular Surgery, 2007

PRESENTIONS:

A. Scientific (Basic Science):

1. The use of plasma cyclic-AMP levels as a marker of cyclic AMP levels in the brain. New York Academy of Sciences High School Research Grant, 1984
2. Prestigiacomo CJ, Eagles DA. The transplantability of differentiating P19 cells in the mouse spinal cord. Department of Biology, College of Arts and Sciences, Georgetown University, 1989.

3. A model of permanent focal cerebral ischemia in the rat. Committee of the Dean's Summer Fellowship Program, Columbia College of Physicians and Surgeons, 1990.
4. Hypothermic protection following middle cerebral artery occlusion in the rat. Annual Meeting of the American Association of Neurological Surgeons, 1991.
5. Role of cytokines and Interleukin-6 in the pathogenesis of stroke. Department of Neurological Surgery, The Neurological Institute of New York, Columbia Presbyterian Medical Center, 1996.
6. Exacerbation of focal cerebral ischemic injury in mice deletionally mutant for the IL-6 gene: a putative neuroprotective role for IL-6. New York Society of Neurological Surgeons Residents' Night, 1997.
7. Clinical decision-making in interventional neuroradiology: Decision analysis for surgical clipping vs. GDC therapy. American Society of Interventional and Therapeutic Neuroradiology, 1997
8. Statistical decision-making techniques: Applications in medicine. Department of Radiology, Columbia-Presbyterian Medical Center, 1998.
9. The Biophysics of Intracranial Aneurysms: Potential Lessons for Recurrence. Fluid Dynamics Seminar, Department of Biomedical Engineering, New Jersey Institute of Technology, 2002
10. Decision analysis in the treatment of vasospasm after aneurysmal subarachnoid hemorrhage. International Conference on Cerebral Vasospasm, 2003
11. Biophysics of Aneurysms. Resident and Fellow Combined Spine and Vascular Conference Aesculap, Tuttlingen, Germany, 2005
12. Griswold K, Prestigiacomo CJ, Jaffe M. Electrospun fibers to enhance neurosurgical drug therapy, American Chemical Society, 2008.
13. Prestigiacomo CJ, Quinn J, He W, Gandhi C, Romano K. Assessing rupture status through the biomorphometric analysis of aneurysm angular relationships, Academy of Neurological Surgeons, 2009.
14. Garag R, Singh R, Quinn J, He W, Prestigiacomo CJ, Gandhi C. Morphological parameters used to predict risk of rupture for intracranial anterior communicating artery aneurysms. American College of Physicians Annual Symposium, 2010.
15. Prestigiacomo CJ, Singh R, Garg R. Morphological parameters used to predict risk of rupture for intracranial anterior communicating artery aneurysms. Congresso Nazionale Societa Italiana di Neurochirurgia, 2010.

B. Professional (Clinical):

1. The evaluation and management of chronic subdural hematomas. Department of Neurological Surgery, The Neurological Institute of New York, Columbia Presbyterian Medical Center, 1996
2. Primary leptomeningeal melanoma. Department of Neurological Surgery, The Neurological Institute of New York, Columbia Presbyterian Medical Center, 1996.
3. Central neurocytoma. Department of Neurological Surgery, The Neurological Institute of New York, Columbia Presbyterian Medical Center, 1996.
4. Prion disease. Department of Neurological Surgery, The Neurological Institute of New York, Columbia Presbyterian Medical Center, 1996.
5. Pathophysiology and management of dural arteriovenous malformations. New York Society of Neurological Surgeons, 1996.
6. Combined management of intracranial aneurysms. Columbia-Presbyterian Medical Center Videoconference, The Neurological Institute, Columbia-Presbyterian Medical Center, 1997.
7. Diagnosis and management of atlanto-axial spine injuries. Neurological ICU Staff Conference The Neurological Institute of New York, Columbia Presbyterian Medical Center, 1997
8. Neurological ICU care of the head-injured patient. Neurological ICU Staff Conference The Neurological Institute of New York, Columbia Presbyterian Medical Center, 1997

9. Treatment of inoperable carotid aneurysms with endovascular carotid occlusion following extra-cranial-intracranial bypass surgery. Eastern Neuroradiological Society, 1997.
10. Combined operative and endovascular approach in complex intracranial aneurysms. Eastern Neuroradiological Society, 1997.
11. Dural sinus thrombosis: Diagnosis and management options. Neurological ICU Staff Conference The Neurological Institute of New York, Columbia Presbyterian Medical Center, 1998.
12. Treatment of traumatic pseudoaneurysm and dissection of the internal carotid artery with stent and balloon angioplasty. New York Neurointerventional Meeting, 1998.
13. Endovascular management of mycotic MCA aneurysm: Case presentation. New York Neurointerventional Meeting, 1998.
14. Bilateral distal ICA stenosis and newly diagnosed Graves' disease: Case presentation. Department of Radiology, Columbia-Presbyterian Medical Center, 1998.
15. Dural sinus thrombosis: Current Diagnosis and Management Department of Neurological Surgery, The Neurological Institute of New York, Columbia Presbyterian Medical Center, 1998.
16. False Giant aneurysms secondary to rupture of small proximal internal carotid berry aneurysms: Radiographic characteristics and clinical management. Department of Neurological Surgery, The Neurological Institute of New York, Columbia Presbyterian Medical Center, 1999.
17. Neurosurgical emergencies Department of Medicine – Resident Teaching Seminar Columbia Presbyterian Medical Center, 1999.
18. Endovascular treatment of superior hypophyseal artery aneurysms: Immediate and long-term results. American Society of Neuroradiology, 2001.
19. Intra-arterial ethanol embolization as a palliative treatment for metastatic lesions of the spine. American Society of Neuroradiology, 2001.
20. Cranial and Spinal Dural Arteriovenous Fistulae: Current Concepts and Management Strategies. Grand Rounds, Section of Neurological Surgery, Department of Surgery, University of Chicago, 2001
21. Normal variants of the circle of Willis. Grand Rounds, Department of Neurological Surgery, Beth Israel Medical Center, 2001.
22. Cerebral arteriovenous malformations: A review. Grand Rounds, Department of Neurological Surgery, Beth Israel Medical Center, 2001.
23. Anatomy of the posterior inferior cerebellar artery and its aneurysms. Grand Rounds, Department of Neurological surgery, Beth Israel Medical Center, 2001.
24. Intraprocedural electrophysiologic facial nerve monitoring during sclerotherapy for venous malformations of the face. Joint Sections of Cerebrovascular Surgery and American Society of Interventional and Therapeutic. Neuroradiology, 2002.
25. Management of residual anterior communicating artery aneurysms in patients with subarachnoid hemorrhage. Joint Sections of Cerebrovascular Surgery and American Society of Interventional and Therapeutic. Neuroradiology, 2002.
26. Current Concepts in the Management of Cranial and Spinal Dural Arteriovenous Fistulae Grand Rounds, Departments of Neurological Surgery and Neurology, New Jersey Medical School, University of Medicine and Dentistry of New Jersey, 2002
27. Historical perspectives on the microsurgical and endovascular treatment of cerebral aneurysms. American Association of Neurological Surgeons, 2003
28. Chemical hemostasis in neurological surgery: Historical perspectives. American Association of Neurological Surgeons, History Section Seminar, History of Hemostasis, 2004
29. Which is Best? An Analysis of Treatment Options for Aneurysm Therapy. Resident and Fellow Combined Spine and Vascular Conference Aesculap, Tuttlingen, Germany, 2005
30. Treatment Options : Microsurgery and Endovascular Techniques. Resident and Fellow Combined Spine and Vascular Conference Aesculap, Tuttlingen, Germany, 2005
31. Subarachnoid Hemorrhage: Current Concepts. Resident and Fellow Combined Spine and Vascular Conference Aesculap, Tuttlingen, Germany, 2005

32. Chemical hemostasis in neurological surgery: Historical perspectives. American Association of Neurological Surgeons, History Section Seminar, History of Hemostasis, 2005
33. Neuropathology of Brain Tumors: The Early Years. American Association of Neurological Surgeons, History Section Seminar, History of Neuropathology, 2005
34. History of the diagnosis and treatment of spinal AVMs. From the first myelogram in 1927 to embolization in 2004. American Society of Neuroradiology, 2005
35. Near L, Janjua N, Prestigiacomo CJ. CT angiography of spinal vascular malformation. American Society of Neuroradiology, 2005
36. Catrambone J, He W, Prestigiacomo CJ. Analysis of subdural empyema: A retospective study. AANS/CNS Section on Pediatric Neurosurgery, 2006
37. Prestigiacomo CJ, Cobb W, Kasper L. L'usanza dell'angiografia tomografica computata e il dextroscope per l'evaluazzione di residue dopo riparazione microchirurgica per aneurisme cerebrale. 55º Congresso Societa' Italiana Neurochirurgia, 2006
38. Catrambone JE, He W, Schulder M, Prestigiacomo CJ, Carmel PW. The Master's 60th Birthday : A Commemoration. American Association of Neurological Surgeons, 2007
39. Prestigiacomo CJ, Paupuleti L, Mittal N, Chung S, Kasper L. Assessing vascular shift secondary to clip placement by 3-D virtual reality technology. American Joint Meeting of the Congress of Neurosurgeons and Italian Neurosurgical Society (Societa' Italiana di Neurochirurgia), 2007
40. Prestigiacomo CJ, Kasper L, Pasupuleti L, Chung S. Sensitivity of computed tomographic angiography detection of distal mycotic aneurysms status post intracerebral hemorrhage. American Joint Meeting of the Congress of Neurosurgeons and Italian Neurosurgical Society (Societa' Italiana di Neurochirurgia), 2007
41. Pasupuleti L, Sukul V, Pak J, Thurmond J, Mittal N, Kasper L, Chung S, Prestigiacomo CJ. The use of 3-dimensional virtual reality technology to detect vascular shift after endovascular stenting. American Society of Interventional and Therapeutic Neuroradiology, 2007
42. Sukul V, Thurmond J, Pak J, Pasupuleti L, Prestigiacomo C. Treatment options for basilar artery dolichoectasia. American Society of Interventional and Therapeutic Neuroradiology, 2007
43. Prestigiacomo CJ. Radiology Nursing and Technician Staff Education Seminar Series. The use of stents in the treatment of broad-necked aneurysms. Division of Interventional Neuroradiology, Department of Radiology, University of Medicine and Dentistry of New Jersey, 2007
44. Prestigiacomo CJ. Radiology Nursing and Technician Staff Education Seminar Series. Coated, bioactive coils and bare platinum coils for aneurysm therapy: Which is best? Division of Interventional Neuroradiology, Department of Radiology, University of Medicine and Dentistry of New Jersey, 2007
45. Prestigiacomo CJ. Radiology Nursing and Technician Staff Education Seminar Series. The Wada test and superselective Wada: Is it obsolete? Division of Interventional Neuroradiology, Department of Radiology, University of Medicine and Dentistry of New Jersey, 2007
46. Prestigiacomo CJ. Radiology Nursing and Technician Staff Education Seminar Series. Cerebrovascular Anatomy Primer Part I, Division of Interventional Neuroradiology, Department of Radiology, University of Medicine and Dentistry of New Jersey, 2008
47. Prestigiacomo CJ. Radiology Nursing and Technician Staff Education Seminar Series. Cerebrovascular Anatomy Primer Part II, Division of Interventional Neuroradiology, Department of Radiology, University of Medicine and Dentistry of New Jersey, 2008
48. Prestigiacomo CJ. What Would You Do? Treatment of Carotid Stenosis with Contralateral Occlusion. Annual Meeting, Society of NeuroInterventional Surgery, 2008
49. Prestigiacomo CJ, He W, McIntosh T, Catrambone JE, Chung S, Kasper L, Pasapulati L, Mittal N. Predicting rupture probabilities through the application of a CTA-derived binary logistic regression model. Academy of Neurological Surgeons, 2008
50. Prestigiacomo CJ, Schwartz AE, Lownie S, Solar R. In Vivo Investigation of New Catheter System for Rapid Selective Cerebral Hypothermia. American Heart Association Annual Meeting, 2008.

51. Gupta G, Prestigiacomo CJ. Spinal vascular malformations: A history. American Association of Neurological Surgeons, 2009.
52. Catrambone J, He W, Prestigiacomo CJ. Cushing and Cutler: Successor to the Throne. American Association of Neurological Surgeons, 2009.
53. Quinn J, He W, Gandhi C, Romano K, Pendergass J, Prestigiacomo CJ. Aneurysm angle and deflection as markers for aneurysm rupture in posterior communicating artery aneurysms: A biomorphometric analysis. Congress of Neurological Surgeons Annual Meeting, 2009.
54. Shhadeh A, Hoover S, Gardner K, Cornett O, El-Gengaihy A, Gandhi C, Prestigiacomo CJ. Aneurysm location affects the durability of coil embolization. Congress of Neurosurgeons Annual meeting, 2009.
55. Shhadeh A, Hoover S, Gardner K, Cornett O, Prestigiacomo CJ, Gandhi C. Aneurysm configuration predicts the probability of recanalization after coil embolization . Congress of Neurological Surgeons, 2009
56. Shhadeh A, Hoover S, Gardner K, Cornett O, Gandhi C, Prestigiacomo CJ. Aneurysm aspect ratio predicts the probability of recanalization after coil embolization. Congress of Neurological Surgeons, 2009.
57. Quinn J, He W, Gandhi C, Romano K, Pendergass J, Prestigiacomo CJ. Aneurysm angle and deflection as markers for aneurysm rupture in posterior communicating artery aneurysms: A biomorphometric analysis. Society of NeuroInterventional Surgery Annual Meeting, 2009.
58. Garg R, Singh R, Quinn J, He W, Prestigiacomo CJ, Gandhi C. Morphological parameters used to predict risk of rupture for intracranial anterior communicating artery aneurysms. Alpha Omega Alpha Student Symposium, 2010.
59. El-Gengaihy, Dawood A, Cornett O, Prestigiacomo CJ, Gandhi C. Arteriovenous malformation management via endovascular embolization: Onyx vs.n-butyl cyanoacrylate. Societyof NeuroInterventional Surgery Annual Meeting , 2010.
60. Etiology of Arteriovenous Malformations of the Brain. Department of Neurological Surgery, The Neurological Institute of New York, Columbia Presbyterian Medical Center, 1993
61. Surgical Management of Head Trauma. Residency Program, Department of Surgery, Columbia-Presbyterian Medical Center, 1994
62. Evaluation and Management of Hypothermia in the Adult. Surgical Nursing Staff, Columbia-Presbyterian Medical Center, 1994
63. The Surgical Wound and Wound Repair. Division of Emergency Medicine, Department of Pediatrics, The Babies and Children's Hospital of New York, 1995
64. Evaluation and Management of Head Injuries. Division of Emergency Medicine, Department of Pediatrics, The Babies and Children's Hospital of New York, 1995
65. The Evaluation and Management of Cerebral Perfusion Pressure and Intracranial Pressure in Trauma**.** Neurosciences Intensive Care Unit, Departments of Neurology and Neurological Surgery, Columbia-Presbyterian Medical Center, 1999
66. Neurosurgical Emergencies. Department of Medicine -- Resident Teaching Seminar Columbia Presbyterian Medical Center, 1999
67. Dural Arteriovenous Fistulae: Current concepts in management. Grand Rounds, Department of Neurological Surgery, Montefiore Medical Center, 2001
68. Cranial and Spinal Dural Arteriovenous Fistulae: Current Concepts and Management Strategies. Grand Rounds, Section of Neurological Surgery, Department of Surgery, University of Chicago, 2001
69. The Biophysics of Intracranial Aneurysms: Potential Lessons for Recurrence. Fluid Dynamics, Department of Biomedical Engineering, New Jersey Institute of Technology, 2002
70. Current Concepts in the Management of Cranial and Spinal Dural Arteriovenous Fistulae Grand Rounds, Departments of Neurological Surgery and Neurology, New Jersey Medical School, University of Medicine and Dentistry of New Jersey, 2002
71. Neurosurgery as a Subspecialty Practice. Neuroscience Summer Students Program, University of Medicine and Dentistry of New Jersey, 2003

72. Current Concepts in Intracerebral Hemorrhage, Critical Care Nursing Division, Jersey City Medical Center, 2003
73. Current Techniques in the Treatment of Stroke, NorthStar EMS, University of Medicine and Dentistry of New Jersey, 2003
74. The Biophysics of Intracranial Aneurysms: Potential Lessons for Recurrence. Biomedical Engineering Seminar Series: Department of Biomedical Engineering, New Jersey Institute of Technology, 2003
75. Time is Brain: The Role of the EMT in the Management of Stroke Closing Keynote Speaker, New Jersey First Aid Council Annual Meeting, 2003
76. The Management of Stroke in the Field Ridgewood EMS Conference, 2004
77. The Management of Stroke in the Emergency Room. Department of Emergency Medicine Grand Rounds, Newark Beth Israel Medical Center, 2004
78. Time is Brain: Current Concepts in the Acute Management of Stroke. Department of Medicine Grand Rounds, Jersey City Medical Center, 2004
79. Acute Stroke Interventions. Department of Emergency Medicine Grand Rounds, Jersey City Medical Center, 2004
80. Dural Arteriovenous Malformations: Current Concepts and Management. Visiting Professor, Department of Neurological Surgery, Neurochirurgische Klinik der Universität Erlangen-Nürnberg Director: Prof. Dr. med. R. Fahlbusch, Erlangen Germany, 2004.
81. Time is Brain: The Role of the EMT in the Management of Stroke, Guest Speaker, Hudson Valley Regional EMS Council, Hudson Valley, NY, 2004
82. Patient Assessment and Management of Head and Spinal Trauma**.** Guest Speaker, Hudson Valley Regional EMS Council, Hudson Valley, NY, 2004
83. Current Concepts in the Management of Stroke, Department of Medicine Grand Rounds, Christ Hospital, 2004
84. Neurosurgery as a Subspecialty Practice. Neuroscience Summer Students Program, University of Medicine and Dentistry of New Jersey, 2004
85. Assessment and Management of Spine Trauma in the Field, New Jersey First Aid Council Annual Meeting, 2004
86. Assessment and Management of Head Trauma in the Field, New Jersey First Aid Council Annual Meeting, 2004
87. Time is Brain: The Role of the EMT in the Management of Ischemic and Hemorrhagic Stroke, New Jersey First Aid Council Annual Meeting, 2004
88. The Role of Endovascular in the Future of Skull Base Surgery: How Can We Help? Futuristic Skull Base Surgery Conference: World Federation of Skull Base Surgery Meeting, Hayman Island, Australia, 2004
89. Improving Outcomes in the Neurosurgical Patient: Advances in Subarachnoid Hemorrhage. Visiting Professor, Kessler Institute for Rehabilitative Medicine, 2005
90. Improving Outcomes in the Neurosurgical Patient: Advances in Neurotrauma. Visiting Professor, Kessler Institute for Rehabilitative Medicine, 2005
91. Adjuvants to Aneursym Therapy. Grand Rounds, Neurosciences and Neurosurgery, New Jersey Medical School, University of Medicine and Dentistry of New Jersey, 2005
92. CU Management of the Subarachnoid Hemorrhage Patient, ASITN Course & Workshops, 2005
    Ischemic Strokes: State of the Art. New Jersey First Aid Council, 2005
93. Hemorrhagic Strokes: State of the Art. New Jersey First Aid Council, 2005
94. Pediatric Neurovascular Disease: A Neurosurgical Perspective. Guest Speaker, Society of Pediatric Neurology of New Jersey, 2005
95. Endovascular Surgery's Role in the Treatment of Pathology of the Head and Neck. Grand Rounds, Otolaryngology, New Jersey Medical School, University of Medicine and Dentistry of New Jersey, 2005
96. Treatment of Raised Intracranial Pressure: Current Concepts and Management Strategies, Department of Pediatrics, New Jersey Medical School, University of Medicine and Dentistry of New Jersey, 2005
97. Intracerebral Hemorrhage in Children: Causes and Treatment Options, Department of Pediatrics, New Jersey Medical School, University of Medicine and Dentistry of New Jersey, 2006

98. New Design Concepts in Cerebrovascular Surgery. Neurosurgery Advisory Council, Aesculap B/Braun, 2006
99. The Use of the Dextroscope in Aneurysm Surgery. Bracco Symposium on New Technologies, AANS, 2006
100. Personal Digital Assistants and the Neurosurgeon. AANS Technology Fair and Symposium, American Association of Neurological Surgeons, 200
101. New Devices, New Techniques and Fellowship Training Standards in Surgical Endovascular Neuroradiology. Annual AANS Resident Course in Endovascular Neurosurgery, 2006
102. History of the Use of the Microscope in Neurological Surgery. AANS History of Neurological Surgery Seminar, 2006
103. History of Endoscopic Third Ventriculostomy. AANS History of Neurological Surgery Seminar, 2006
104. Practice Management: Group Practice in Private and Academic Settings, Aesculap Resident and Fellow Conference in Cerebrovascular and Spine Surgery, 2006
105. Controversies in Cerebrovascular Surgery, Aesculap Resident and Fellow Conference in Cerebrovascular and Spine Surgery, 2006
106. Cerebral Arteriovenous Malformations: History and Natural History. ASITN Practicum (collaboration with ASNR), 2006
107. Benefits of Air Medical Transport in Cerebrovascular Disease. NorthSTAR Grand Rounds, 2006
108. Personal Digital Assistants and the Neurosurgical Patient. AANS Technology Fair and Symposium, American Association of Neurological Surgeons, 2007
109. Techniques, Devices and Fellowship Training Standards in Surgical Endovascular Neuroradiology. Annual AANS Resident Course in Endovascular Neurosurgery, 2007
110. Controversies in Cerebrovascular Disease, Aesculap Resident and Fellow Conference in Cerebrovascular and Spine Surgery, 2007
111. Practice Management: Academic Group Practice Aesculap Resident and Fellow Conference in Cerebrovascular and Spine Surgery, 2007
112. Why Do Cerebral Aneurysms Form? Current Concepts in the Biophysics of Aneurysm Formation and Flow Diversion, Visiting Professor, Department of Neurological Surgery, Neurological Institute of New York, Columbia-Presbyterian Medical Center, 2007
113. The Endovascular Management of Spinal Vascular Malformations, American Society of Interventional and Therapeutic Neuroradiology, 2007
114. Decision Analysis in the Treatment of Subarachnoid Hemorrhage-induced Vasospasm, American Society of Interventional and Therapeutic Neuroradiology, 2007
115. Why Do Cerebral Aneurysms Form? The Biophysics of Aneurysm Formation and Treatment, Visiting Professor, Department of Neurological Surgery, University of Utah Health Science Center, 2007
116. Endovascular Management of Arteriovenous Malformations and Intracranial Tumors, CNS Annual Meeting Luncheon Seminar, Congress of Neurological Surgeons, 2007
117. The Art and Science of the Interview, Boston Scientific Fellows Symposium, 2007
118. The Endovascular Treatment of Vasospasm: Complication Avoidance, AANS Annual Meeting Practical Course Lecture, American Association of Neurological Surgeons Annual Meeting, 2008
119. The Endovascular Principles of Coiling Aneurysms, AANS Annual Meeting Breakfast Seminar, American Association of Neurological Surgeons Annual Meeting, 2008
120. Neurosurgery and the Mind: Neuropsychiatric Mimics. Invited Speaker, Student Interest Group in Neurosciences, 2008
121. Practical Aspects of Group Practice, Aesculap Resident and Fellows Seminar, Tuttlingen, Germany, 2008
122. Controversies in Endovascular and Cerebrovascular Surgery, Aesculap Resident and Fellows Seminar, Munich, Germany, 2008
123. Keys to Success: Developing an Endovascular Practice Within a Neurosurgical Department, Annual Meeting, Society of NeuroInterventional Surgery, 2008
124. Endovascular Techniques for Arteriovenous Malformations, Luncheon Seminar, Congress of Neurological Surgeons, 2008

125. The Art and Science of Getting a Job: The Interview, Boston Scientific Fellows Symposium, 2008
126. Techniques, Devices and Fellowship Training Standards in Surgical Endovascular Neuroradiology. Annual AANS Resident Course in Endovascular Neurosurgery, 2008
127. Neurosurgery and the Mind: Neuropsychiatric Mimics and the Treatment of Neuropsychiatric Disorders. Student Interest Group in Neurosciences, 2009
128. Biomorphometrics in Determining Rupture Status of Cerebral Aneurysms, Annual Meeting Cerebrovascular Section, AANS/CNS, 2009
129. Traumatic Brain Injury and its Management in the Intensive Care Unit, Visiting Professor, Jersey City Medical Center, Surgical Intensive Care Unit, 2009
130. Techniques, Devices and Fellowship Training Standards in Surgical Endovascular Neuroradiology. Annual AANS Resident Course in Endovascular Neurosurgery, 2009
131. Treatment of Spinal Vascular Lesions: Complication Avoidance and Management. American Association of Neurological Surgeons Annual Meeting, 2009
132. Craniofacial Surgery: Germinal Matrix Theory of Craniofacial Development. American Association of Neurological Surgeons Annual Meeting, 2009
133. Microsurgical Treatment of Aneurysms: Techniques of Complication Avoidance and Management American Association of Neurological Surgeons Annual Meeting, 2009
134. Trigeminal Neuralgia: Percutaneous Methods of Treatment – A History American Association of Neurological Surgeons Annual Meeting, 2009
135. The Mind and the Cerebral Ventricles: Western or Eastern Origins of a Medieval Concept. American Association of Neurological Surgeons Annual Meeting, 2009
136. Traumatic Brain Injury and its Management in the Intensive Care Unit, Visiting Professor, Jersey City Medical Center, Surgical Intensive Care Unit, 2009
137. Management of Moderate to Severe Traumatic Brain Injury: Current Concepts and Management. Visiting Professor, Jersey City Medical Center, 2009
138. How Do Aneurysms Form? Current Concepts in Biophysics of Aneurysm Formation, Visiting Professor, Department of Neurological Surgery, Ohio State University, 2009
139. Pathogenesis and Classification of Vein of Galen Malformations, World Federation of Neurosurgical Societies Quadrennial Meeting, 2009
140. The Art and Science of Getting a Job: The Interview, Boston Scientific Fellows Symposium, 2009
141. Principles of Endovascular Aneurysm Therapy: Pitfalls and Complication Avoidance, Boston Scientific Annual Fellows Course, 2009
142. Meet the Expert: Management Controversies in Intracranial Hemorrhage, American College of Surgeons Annual Clinical Congress, 2009
143. The Acute Neurosurgical Care of the Acute Stroke Patient, 1199 Symposium on Strokes, From ER to Rehab, New York, 2009
144. The Biology of Hemostasis and the History of Hemostatic Agents, Congress of Neurological Surgeons Annual Meeting, 2009
145. The Role of Hyperosmotic Agents in Neurological Surgery, Jersey City Medical Center Critical Care Grand Rounds, 2009
146. Microsurgical Treatment of Aneurysms, Perioperative Services Rounds, University Hospital, UMDNJ, 2009
147. Intra-arterial Methods of Stroke Management, Department of Neurology Research Conference, UMDNJ, 2009
148. Neuropsychiatric Mimics: Neurosurgical Disease and the Mind. Student Interest Group in Neurology, UMDNJ, 2010
149. Technical Aspects to the Endovascular Treatment of Intracranial Aneurysms. Endovascular Surgery Symposium, AANS/CNS Cerebrovascular Section, 2010
150. Thrombosis and Stroke Syndromes, Department of Neurology, New Jersey Medical School, University of Medicine and Dentistry of New Jersey, 2010.
151. Angiographic Anatomy and Clinical Correlates, Division of NeuroInterventional Surgery, New Jersey Medical School, University of Medicine and Dentistry of New Jersey, 2010
152. Therapeutic options for Subarachnoid Hemorrhage, Department of Neurology Research Conference, University of Medicine and Dentistry of New Jersey, 2010

153. Historical Aspects of Cervical Spine Injury: Reduction and Surgery, Section on the History of Neurological Surgery, American Association of Neurological Surgery, 2010.
154. Complication Avoidance and Complication Management in the Endovascular Treatment of Spinal Vascular Malformations, Congress of Neurosurgeons, 2010
155. Management of Intracranial Arterial Disease, Invited Professor, Grand Rounds, Division of Vascular Surgery, Department of Surgery, UMDNJ, 2010
156. The Humanitarian Device Exemption: Roles and Responsibilities for the Institutions, Institutional Review Board Executive Meeting, New Jersey Medical School, University of Medicine and Dentistry of New Jersey, 2010
157. Acute Stroke Management by Endovascular Techniques, Department of Neurology, University of Medicine and Dentistry of New Jersey, 2010
158. The Art of the Interview: Successful Transition from Fellowship to Practice. Boston Scientific Fellows Symposium, 2010
159. Carotid Artery Surgery and Carotid Stenting for Endovascular Disease: How Do You Choose? Third Annual AIM Symposium, 2010
160. Carotid Artery Stenting. Annual AANS Resident Course in Endovascular Neurosurgery, 2010
161. Case Reviews in Carotid Stenosis. Endovascular Advances in Head and Neck Disease, American College of Surgeons Annual Clinical Congress, 2010
162. The Art of the Interview: Successful Transition from Fellowship to Practice. Society of NeuroInterventional Surgery Annual Fellows Course, 2010
163. Management of Intracranial Aneurysms, Invited Professor, Grand Rounds, Division of Vascular Surgery, Department of Surgery, UMDNJ, 2010.
164. Aneurysm Management in the Age of Endovascular Surgery, NeuroNext Symposium, Boston Scientific, 2010
165. Case Discussions: Neurovascular Club, NeuroNext Symposium, Boston Scientific, 2010
166. Cerebral Arteriovenous Malformations: Should We Treat At All?, Neurological Surgery Grand Rounds, New Jersey Medical School, UMDNJ, 2010
167. Pediatric Cerebrovascular Disease, Invited Speaker, Association of Neurosurgical Physician Assistants Annual Meeting, 2010
168. Aneurysms amenable to treatment with liquid embolic agents. HD-500 Training Course, 2010
169. Endovascular Approaches to Cerebrovascular Disease. New Jersey Chapter of the American College of Surgeons Annual Meeting, 2010
170. Emerging Technologies in Neurological Surgery:2020 Update, Aesculap Advisory Meeting, 2011
171. Neurological Surgery: Its History and Future. Baxter Visiting Professorship, 2011
172. Golden Minutes: How Multimodality Therapies Can Improve Stroke Outcome, Visiting Professor, Department of Neurology and Neuroscience, NJMS, UMDNJ, 2011
173. Neuropsychiatric Manifestations of Organic Disease: Neurosurgery's Role in Patient Care. Student Interest Group in Neurosciences, 2011
174. The Golden Minutes: How NeuroInterventional Affects Stroke Outcomes, Hoboken University Medical Center, Visiting Professor Grand Rounds, 2011.
175. Minimizing Risk in the Treatment of Cerebral Aneurysms: How Mathematics Can Help to Understand Aneurysmal Rupture, Visiting Professor, New Jersey Medical School, UMDNJ, 2011.
176. Intraarterial Therapies for Stroke: Does it End in the Angiography Suite?, UMDNJ Nursing Symposium, New Jersey Medical School, UMDNJ, 2011
177. Complications of Spinal Angiography and Therapeutics: What to Avoid and How to Manage, AANS Annual Meeting, 2011
178. Surgery on the Seat of the Soul: History of Surgery of the Pineal Gland, AANS Annual Meeting, 2011
179. Strategies for Conflict Management: A Primer, Annual Chief Resident Leadership Workshop, New Jersey Medical School, UMDNJ, 2011
180. Aspects of Neurological Surgery and Research in the 21st Century, Student Interest Group in Neuroscience Symposium, New Jersey Medical School, UMDNJ, 2011.

181. Controversies in Stroke Management. First Annual South Jersey Stroke Symposium, AtlantiCare, 2011
182. Current Advances in Aneurysm and AVM Therapy, NJMS Neurosurgical Update for Primary Care Physicians, UMDNJ, 2011
183. Carotid Stenosis and Treatment in the post-CREST Era, NJMS Neurosurgical Update for Primary Care Physicians, UMDNJ, 2011
184. Aneurysm Therapy in the Era of Endovascular Therapy, Visiting Professor, Department of Medicine Grand Rounds, Mountainside Hospital, 2011
185. Recent Advances in Aneurysm and AVM Therapy, Annual Stroke Symposium, Abington Memorial Hospital, 2011
186. Indications and Use of Lumbar Drains, Neuroscience Nursing, UMDNJ, 2011.
187. Cerebrovascular Anatomy: A Primer, Division of Cardiology, UMDNJ, 2011.
188. Spine Trauma in the Pre-hospital Setting and the Emergency Room, Department of Emergency Medicine, UMDNJ, 2011.
189. Cerebrovascular Anatomy: Collaterals, Division of Cardiology, UMDNJ, 2011.
190. Complications in the Management of Cerebral Vasospasm, CNS Annual Meeting, 2012
191. Increasing Medical Student Awareness in Neurological Surgery: A Stepwise Approach, Academy of Neurological Surgeons, 2012
192. Making the Window Into a Door: Intraarterial Therapy for Acute Ischemic Stroke, South Jersey Stroke Symposium
193. Aneurysm Therapy in 2012: Is This All There Is? Peter W Carmel Neurosurgical Society, 2012
194. The Aneurysm I would Clip: Debates in Aneurysm Therapy, Special Symposium, American Academy of Neurological Surgery, 2012
195. Asymptomatic Carotid Disease Management post-CREST, Congress Neurosurgeons Annual Meeting, 2012
196. Vasospasm management: Literature-based reviews, CNS luncheon Seminar, 2012.
197. The Role of Stents in post CREST ERA, American College of Surgeons Symposium, 2012
198. Complications in Vasospasm Management, AANS Luncheon Seminar, 2012
199. Biophysics of Aneurysms. NJMS/UMDNJ Masters Seminar in Neurosciences, NJMS, 2012
200. History of Aneurysm Therapy: From Horse Hair to Precious Metals, NJ History Society, 2012
201. Conflict Management and Conflict Resolution: the Leader's Role, NJMS Chief Resident Seminar, 2012
202. History of Scalp Hemostasis, Breakfast Symposium, AANS Annual Meeting, 2013.
203. Culture of Safety in the Operating Room and Endovascular Suite: What We Know, Breakfast Seminar AANS Annual Meeting, 2013
204. Biomorphometrics of Cerebral Aneurysm Formation, Department of Biomedical Engineering, NJIT, 2013
205. Why Do AVMs Form? Interventional Neuroradiology Conference Seminar, NJMS, University Hospital, 2013
206. Future of Neuromodulation in Neurological Surgery, Medtronics, 2013
207. Complication Management and Complication Avoidance in Cerebrovascular and Endovascular Surgery, Breakfast Seminar AANS Annual Meeting, 2013.
208. Endovascular Therapy in Ischemic Stroke: An Assessment of the Evidence, New Jersey Statewide Stroke Conference, 2013
209. Head Injury in Combat Sports, New Jersey Mixed Martial Arts Symposium, 2013.
210. Professionalism and Exceptionalism in Neurological Surgery, SNS Bootcamp II, 2013.
211. What Do You Do: Critical Care Emergencies in Neurological Surgery, SNS Bootcamp II, 2013.
212. Conflict Management and Resolution: A Primer for Chief Residents, NJMS Chief Resident Leadership Workshop, 2013.
213. Why Aneurysms Form: Biomechanics, Biomathematics and Biophysics of Aneurysm Formation, Biomedical Engineering Seminar, NJIT
214. On Becoming a Neurosurgeon, Peter W. Carmel Neurosurgical Society, 2013

215. The Art and Science of Scientific Writing in Neurosurgery, Peter W. Carmel Neurosurgical Society, 2013.
216. Cerebral Aneurysms and Pregnancy: Current Strategies in Management, Visiting Professor, Departments of Surgery (Division Neurological Surgery) and Obstetrics and Gynecology, Robert Wood Johnson Medical School, 2013

CURRICULUM VITAE

Calixto Machado, MD, PhD, FAAN

Institute of Neurology and Neurosurgery
Havana, Cuba
2012

BIOGRAPHY

Dr. Calixto Machado graduated as MD in 1976. He continued his medical training to become Specialist in Neurology and Clinical Neurophysiology, First Degree in 1980, and Second Degree in 1984. In 1990 he became the youngest Dr. in Sciences in his country. Dr. Machado received clinical training in specialized neurology centers in Sweden, Italy, and Austria. As senior professor and researcher Dr. Machado has thought several medical students, neurology residents, fellows, and doctorate students in neurosciences from Cuba and the rest of the world.

During the last 30 years he has run many research protocols on subjects, such as: brain death, coma, persistent vegetative states and other disorders of consciousness, stroke, autism, etc. He has published more than 160 peer reviewed articles, book chapters, and 3 books. His Book "Brain Death: A Reappraisal" was received with great enthusiasm among neurologist, neurosurgeons, intensivists, and physicians specialized in transplants.

In 1992, he was the first Cuban neurologist who was a member of the American Academy of Neurology (AAN), nominated as a Corresponding Fellow. He has been the President of the Organizing Committee of the International Symposia on Brain Death, and the International Symposia on Disorders of Consciousness, since the 90's. He has been awarded 10 times by the Best Annual Scientific Medical Research in Cuba. In 2005 he received the American Academy of Neurology "*Lawrence McHenry Award*", for the excellence in neurology, and in 2011, he was awarded as the "*Researcher of Year*" by the International Academy for Child Brain Development (Phildelphia, USA), and by the International Association of Functional Neurology and Rehabilitation (Orlando, USA). These were the first time that a Hispanic neurologist, and a neuroscientist from a developing country, received those recognitions.

He is Senior Professor and Researcher at the Institute of Neurology and Neurosurgery, Havana, Cuba. He is actually the President of the Cuban Society of Clinical Neurophysiology and of the National Commission for the Determination of Death. Dr. Machado is a Corresponding Fellow of the American Academy of Neurology, Chairman of the Network on Defining Death of the International Association of Bioethics, member of The World Federation of Neurology, and The International League Against Epilepsy. He is a Senior Academics of the Cuban Academy of Sciences. In the academic field Dr. Machado is recognized as a world expert in neurological disorders such as brain death, coma, disorders of consciousness, and cerebrovascular diseases. His appointments as visiting professor includes: Miami University (Department of Philosophy and Bioethics), Memorial Sloan-Kettering Cancer and Cornell University in New York, the Institute of Neurology at Columbia University, The Neuroanesthesia and Neurocritical Care Service at Johns Hopkins Hospital in Baltimore, the George Washington University, and The Department of Neurology and Neurosurgery at Jackson's Memorial Center in Miami.

TOPICS FOR LECTURES

- Brain death (BD) Vs. human death
- Historical accounts on the definition and determination of human death
- Ethical considerations on the definition and diagnosis of human death
- Did the BD concept appear to benefit organ transplants?
- Cuban Law for the determination and certification of death. Comparison with other standards
- Ancillary test for brain death diagnosis
- Disorders of consciousness
- Are PVS cases isolated from the outer world? Medical and bioethical dilemmas
- Cuban perspective on bioethics of end-of-life dilemmas
- Neuroimaging assessment of comatose, PVS and MCS cases
- Autonomic assessment of disorders of consciousness
- Autonomic, EEG, and behavioral arousal signs in a PVS cases after Zolpidem intake
- Assessing early signs of ischemia in acute stroke by quantitative electric tomography
- Neuromonitoring in the intensive care

CURRICULUM VITAE

Full name:	**Francisco Calixto Machado Curbelo**
Birth date:	June 18, 1952
Place of birth:	Matanzas, CUBA
Citizenship:	Cuban
Marital status:	Married

Mail address: Instituto de Neurología y Neurocirugía
29 y D Vedado
Havana 10400
CUBA
Phone: 53-7-834 5578
Fax: 53-7-838 3020
E.mail: braind@infomed.sld.cu

EDUCATION:

1967-70: Pre-university (High School): Cárdenas Institute, Cuba

1971-76: Medical Doctor: University of Havana School of Medicine

1980: Neurology-Clinical Neurophysiology. Board Certified. First Degree. Institute of Neurology and Neurosurgery, Havana, Cuba

1987: Neurology-Clinical Neurophysiology. Board Certified. Second Degree. Cuba. Institute of Neurology and Neurosurgery, Havana, Cuba

1994: Philosophical Doctor (First Degree). Institute of Neurology and Neurosurgery, Havana, Cuba. Thesis: "Early Diagnosis of Brain Death".

2003: Philosophical Doctor (Second Degree: Doctor in Sciences). Institute of Neurology and Neurosurgery, Havana, Cuba. Thesis: "Definition and Determination of Human Death".

POSTGRADUATE TRAINING:

1976-77: Internship in Basic Science (Research). Instituto de Ciencias Básicas y Preclínicas, Havana, Cuba.

1977-80: Residence program in Neurology-Clinical Neurophysiology. National Institute of Neurology and Neurosurgery, Havana, Cuba.

1979-82: Training in Clinical Neurophysiology. Hospital "Luis Díaz Soto", Havana, Cuba.

1985-86: Scholarship from the Swedish Institute (3 months) for training in Clinical Neurophysiology. University Hospital of Lund, Department of Clinical Neurophysiology, Sweden, under the advisory of Prof. David H. Ingvar.

1986-87: Training on traumatic Coma (2 months). Intensive Care Unit, Istituti Ospitalieri of Borgo Trento, Verona, Italy, under the advisory of Prof. Albino Bricolo.

1988: Training in Neuromonitoring (2 months). Institute of Biomedical Engineering, Department of Medical Informatics, Graz, Austria, under the advisory of Prof. Gert Pfurtscheller.

ACADEMIC APPOINTMENTS AND TEACHING EXPERIENCE:

Since 1980: Professor of Neurology-Clinical Neurophysiology. Institute of Neurology and Neurosurgery, Havana, Cuba.

Since 1976: Associate Researcher in Neurology and Clinical Neurophysiology. Institute of Neurology and Neurosurgery, Havana, Cuba.

Since 1990: Senior Professor and Researcher in Neurology and Clinical Neurophysiology. Institute of Neurology and Neurosurgery, Havana, Cuba.

HOSPITAL APPOINTMENTS:

1977-80: Residence in Neurology-Clinical Neurophysiology. Institute of Neurology and Neurosurgery, Havana, Cuba.

Since 1980: Chairman of the Department of Clinical Neurophysiology and the Neurophysiological Lab for Cerebrovascular Diseases and Intensive Care Unit. Institute of Neurology and Neurosurgery, Havana, Cuba.

AWARDS AND HONORS:

1989: Visiting Professor, Department of Neurosurgery, Jackson's Memorial Center, Miami,

1989 Brain Research Lab, New York, University, U. S. A.

1993: Visiting Professor of the Department of Neurology of the University Hospital of Cleveland.

1991: Award for the "*Best Medical Scientific Research*" in Cuba.

1992: Award for the "*Best Medical Scientific Research*" in Cuba.

1994: Award for the "*Best Biomedical Branch Ph.D. Thesis*" in Cuba.

1995: Award for the "*Best Medical Scientific Research*" in Cuba.

1996: Consultant to write the "*Law of Organ Transplantation*" in Panama

2002 Award for the "*Best Medical Scientific Research*" in Cuba.

2005: **American Academy of Neurology Award: "*Lawrence McHenry Award*"**

2006: Award for the "*Best Medical Scientific Research*" in Cuba.

2007: Award for the "*Best Medical Scientific Research*" in Cuba

2007: **Award for the "*Most Outstanding Research*" of the Cuban Academy of Sciences**

2011: "*Researcher of Year*" by the International Academy for Child Brain Development (Philadelphia, USA)

2011: "*Researcher of Year*" by the International Association of Functional Neurology and Rehabilitation (Orlando, USA).

Visiting Professor, Memorial Sloan-Kettering Cancer, New York

2004-2011 Visiting Professor, Cornell University, New York

2004-2011 Visiting Professor, Institute of Neurology, Columbia University, New York

2004-2011 Visiting Professor, New York University,

2004-2011 Visiting Professor, Neuroanesthesia and Neurocritical Care Service, Johns Hopkins, Baltimore.

MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES.

Since 1992:	Corresponding Fellow of the American Academy of Neurology
Since 2000:	President of the Cuban society of Clinical Neurophysiology
Since 1994:	Member, International Association of Bioethics, and International Association of Bioethics
Since 1996:	Member of World Federation of Neurology (WFN)
Since 2000:	Member of the WFN Education Committee
Since 1994	Chairman of the Network on Defining Death of the International Association of Bioethics
Since 1989:	President of the Cuban Commission for Brain Death Diagnosis.
Since 1977:	Member, Cuban Society of Physiological Sciences.
Since 1980:	Member, Cuban Society of Neurology and Neurosurgery.
Since 1986:	Executive Committee of Cuban Society of Neuroscience.
Since 1992:	Member, Cuban Chapter of the International League Against Epilepsy

SCIENTIFIC MEETINGS

1992:	President of the Organizing Committee of the "First International Symposium on Brain Death" (Havana, September 22-25,1992).
1992	President of the "II International Symposium on Brain Death" (Havana, February 27-March 1, 1996)
1994:	Chairman of the "Fist International Meeting of the Network on Defining Death" of the International Association of Bioethics (Havana, February 27, 1996).
1995:	Chairman of the "Second International Meeting of the Network on Defining Death" of the IAB (San Francisco, November 25, 1996).
1997:	President of the Organizing Committee of the "Symposium on Brain Death", World Congress of Neurology (Buenos Aires, September 1997).
2000:	President of the Organizing Committee of the "Third International Symposium on Coma and Death" (Havana, February 22-25, 2000).
2001:	Co-Chairman of the Symposium on Coma and Neurointensivism, World Congress of Neurology, London 2001.
2004:	President of the Organizing Committee of the "Fourth International Symposium on Coma and Death" (Havana, March 9-12, 2004).
Since 2004:	President of the Organizing Committee of the "4th Cuban Congress and First Iberoamerican Workshop of Clinical Neurophysiology", held in Varadero, Cuba, on March 11-14, 2008.
Since 2004:	President of the Organizing Committee of the 5th International Symposium of the Definition of Death Network". to be held in Varadero, Cuba, on May 20-23, 2008.
2010:	President of the Organizing Committee of the I International Symposium on Disorders of Consciousness, Cienfuegos, Cuba, March 16-18, 2010.
2011:	President of the Organizing Committee of the II International Symposium on Disorders of Consciousness, Havana, Cuba, December 6-8, 2011.

PUBLICATIONS

1. Machado, C.; Estévez, M.; Peñalver, J. C. y Pino, J. Evaluación del nistagmo calórico mediante la electronistagmografía. Revista del Hospital Psiquiátrico de La Habana 25(2):245-257, 1984.

2. Machado, C.; Estévez, M.; Peñalver, J. C. y Pino, J. Estudio comparativo de sujetos normales y enfermos con lesiones laberínticas mediante la evaluación electronistagmográfica del nistagmo calórico. Revista Cubana de Medicina 24(8): 813-820, 1985.

3. Machado, C.; Estévez, M.; Peñalver, J. C. y Pino, J. Utilidad de las combinaciones lineales suma y preponderancia direccional normalizada en el diagnóstico de enfermos con lesiones laberínticas Rev. Cub. Inv. Biomed.4(3):375-382, 1985.

4. Machado, C.; Estévez, M.; Peñalver, J. C., Pino, J., Gárate, M.; Román, J. M. Prueba calórica, prueba optocinética y estabilometría en una batería de diagnóstico para el estudio de enfermos con lesiones laberínticas. Revista Cubana de Medicina 25(2):236-246, 1986.

5. Machado, C.; Estévez , M.; Pino, J.; Peñalver , J. C., y Coutin, P. Evaluación del nistagmo optocinético en sujetos normales mediante la electronistagmografía. Rev. Cub. Inv. Biomed. 5(1):16-23, 1986.

6. Machado, C.; Estévez , M., Pino, J. y Peñalver , J. C. Nistagmo calórico y lesiones laberínticas. Rev. Cub. Med. 25(2):150-155, 1986.

7. Machado, C.; Estévez , M.; Pino, J.; Peñalver , J. C.; Gárate, M.; Román, J. M. Evaluación objetiva de la postura erecta: Estabilometría. Resultados en sujetos normales. Rev. Cub. Inv. Biomed. 6(1):17-28, 1987.

8. Coutin, P.; Díaz, G.; Nodarse, A. y Machado. C. Potenciales evocados sensoriales subcorticales. Rev. Cub. Invest. Biomed. 6(1):41-54, 1987.

9. Machado, C.; Wagner, A.; Coutin, P.; Diaz, G.; Cantón, M.; Hernández, O. Roman, J. M. y Miranda, J. Potenciales Evocados Somatosensoriales de corta latencia. II- Tiempo de Conducción Central. Rev. Hosp. Psiquiátrico de La Habana, 1988, pp:211-221.

10. Miranda, J.; Borron, M.; Bell, L.; Machado, C.; Iglesias, J. y Hernández, A. Computerized method for the evaluation of regional cerebral circulation by the use of radioisotopes. En: Willems, J. L., Bemmel, J. H. V., Michel, J. (Eds.): Progress in Computer-Assisted Function Analysis. Elsevier-Science Publishers B. V., North-Holland, IFIP-IMIA, 1988, pp:425-428.

11. Miranda, J.; Franquiz, J.; Machado, C. and Román, J. Evaluation of cerebral circulation in infarcts of middle cerebral artery based on absolute mean transit times, determined by radionuclide cerebral angiography. Int. J. Neurosciences 49:240-241, 1989.

12. Machado, C.; Pumariega, J.; García-Tigera, J.; Miranda, J.; Coutin, P.; Antelo, J.; Hernández-Meilán, O. and Román, J. A multimodal evoked potential and electroretinography test battery for the early diagnosis of brain death. Int. J. Neurosciences 49:241-242, 1989.

13. Machado, C. (Ed.): Muerte encefálica. Criterios Diagnósticos del Instituto de Neurología y Neurocirugía. Instituto de Neurología y Neurocirugía. Información Científico-Docente No. 1:1-40, 1990.

14. González-Andino, S.; Marquie, P.; Valdés-Sosa, P.; Biscay-Lirio, R., Machado, C., Díaz, G., Figueredo-Rodríguez, P. and Castro-Torrez, C. Brain electrical fields measurements unaffected by linked earlobes reference. Electroenceph. clin. Neurophysiol., 75:155-160, 1990.

15. Machado, C. Visual evoked potentials and electroretinography in brain-dead patients. Neurophysiologie Clinique 20 (Suppl.):18s, 1990.

16. Machado, C.; Román, J. M.; García-Tigera, J.; García, O.; Miranda, J. Utilidad de los potenciales auditivos de tallo encefálico y somato- sensoriales corta latencia en el neuromonitoreo. Acta Médica (Hospital Hermanos Ameijeiras) 1:95-108, 1990.

17. Machado, C.; Valdés, P.; García-Tigera, J.; Virúes, T.; Biscay, R.; Miranda, J.; Coutin, P.; Román, J. and García, O. Brain-stem auditory evoked potentials and brain death. Electroenceph. clin. Neurophysiol. 80:392-398, 1991.

18. Machado, C.; García-Tigera, J.; Coutin, P.; and Miranda, J. Multimodality evoked potentials and electroretinography in a test battery for the early diagnosis of brain death. Electroenceph. clin. Neurophysiol. 79 (5):S19, 1991.

19. Coutin P, Balmaseda A, Machado C. Vector analysis of brainstem auditory evoked potentials (BAEP) in patients with multiple sclerosis or posterior fossa tumors. Electroencephalography and Clinical Neurophysiology 1991; 79 (5):S8.

20. Machado, C.; Santiesteban, R.; García-Tigera, J. and García, O. Potenciales evocados visuales y el electrorretinograma en la muerte encefálica. Revista Cubana de Oftalmología 4(2):117-124, 1991.

21. Machado, C.; García-Tigera, J.; García, O.; García-Pumariega, Román, J. Muerte Encefálica. Criterios diagnósticos. Rev. Cub. Med. 30 (3): 181-206, 1991.

22. Machado, C. Early diagnosis of brain death. Clinical Intensive care (Supplement) 3(2):116, 1992.

23. Fumero, M.; Menéndez, A.; Gálvez, J.; Rojas, L.A.; Zarrabeitia, L.; Barroso, E.; Moreno, J.; Guzmán, Z.; Alberto, N.; Machado, C. Fistula carótido cavernosa, directa e indirecta. Tratamiento endovascular. Revista Mexicana de Radiología 6(S2):109-115, 1992.

24. Fumero, M.; Galvez, J.; Barroso, E.; Taboada, J.; Hernández, O.; González-Quevedo, A.; Figueredo, J.; Mallo, R.; Menéndez, A.; Machado, C. Tratamiento endovascular de aneurismas cerebrales: resultados en 28 pacientes. Revista Mexicana de Radiología 47-53 (S2):117-123, 1992.

25. Machado, C. (Ed.). Criterios cubanos para el diagnóstico de la muerte encefálica. Editorial de Ciencias Médicas, Ciudad de La Habana, 1992.

26. Machado, C.; Santiesteban, R.; García, O.; Coutin, P.; Buergo, M.A.; Román, J.; Miranda, J.; Suárez, J.; Pfurstcheller, G. Visual evoked potentials and electroretinography in brain-dead patients. Documenta Ophtalmol. 84:89-96, 1993.

27. Machado, C. Multimodality evoked potentials and electroretinography in a test battery for an early diagnosis of brain death. J. Neurosurgical Sciences 37(3):125-131, 1993.

28. Machado, C.; Valdés, P.; García, O.; Coutin, P.; Miranda, J.; Román, J. Short latency somatosensory evoked potentials in brain dead patients using restricted low cut filter setting. J. Neurosurgical Sciences 37(3):133-140, 1993.

29. Hernández, O. J., Hernández, O., Aquino, J., Machado, C. Potenciales evocados a patrón (PEV-PR) utilizando diferentes estímulos: estudio preliminar. Rev Neurol (Barcelona) 22 (118):667-672, 1994.

30. Machado, C.: Brain formulation of death: A reappraisal. Neurology 45 (4): Suppl.:1097P, 1995.

31. Machado, C. Death on neurological grounds. J. Neurosurgical Sciences 38(4): 209-222, 1994.

32. Machado, C. An early approach to brain death diagnosis using multimodality evoked potentials and electroretinography. Minerva Anestesiol 60(10):573-577, 1994.

33. Machado C. Calixto Machado, Short latency somatosensory evoked potentials in brain-dead patients using restricted low cut filter setting, Electroencephalography and Clinical Neurophysiology/ Electromyography and Motor Control 1995;97(4):S32-S33.

34. Machado, C. Una nueva definición de la de muerte según criterios neurológicos. In: A. Esteban and A. Escalante (eds.): Muerte Encefálica y Donación de Órganos. Comunidad Autónoma de Madrid, Madrid, 1995. pp:27-51.

35. Machado, C. Neuromonitorización del coma en unidades de cuidados intensivos. In: A. Esteban and A. Escalante (eds.): Muerte Encefálica y Donación de Órganos. Comunidad Autónoma de Madrid, Madrid, 1995. pp:215-247.

36. Machado, C.: Preface. In: C. Machado, (ed.): Brain Death (Proceedings of the Second International Symposium on Brain Death). Elsevier Science, B. V., 1995. pp:V-VI.

37. Machado, C., García, O.D., Román, J.M., and Parets, J.: Four years after the "First International Symposium on Brain Death" in Havana: Could a definitive conceptual re-approach be expected? In: C. Machado, (ed.): Brain Death (Proceedings of the Second International Symposium on Brain Death). Elsevier Science, B. V., 1995. pp:1-9.

38. Machado, C.: A new definition of death based on the basic mechanisms of consciousness generation in human beings. In: C. Machado, (ed.): Brain Death (Proceedings of the Second International Symposium on Brain Death). Elsevier Science, B. V., 1995. pp:57-66

39. Machado, C. and García, A. Guidelines for the determination of brain death. In: C. Machado, (ed.): Brain Death (Proceedings of the Second International Symposium on Brain Death). Elsevier Science, B. V., 1995. pp:75-80.

40. Machado, C.: A contribution of multimodality evoked potentials and electroretinography for the early diagnosis of brain death. In: C. Machado, (ed.): Brain Death (Proceedings of the Second International Symposium on Brain Death). Elsevier Science, B. V., 1995. pp:141-150.

41. García OD, Machado C, Román JM, Cabrera A, Díaz-Comas L, Rivera B, Grave de Peralta R. Heart rate variability in coma and brain death. In: C. Machado, (ed.): Brain Death

(Proceedings of the Second International Symposium on Brain Death). Elsevier Science, B. V., 1995. pp:191-200.

42. Machado, C. La muerte desde el punto de vista neurológico. Parte 1. Salud para Todos (Buenos Aires) 33:6-9, Diciembre 1995.

43. Machado C. Potenciales evocados multimodales y el electrorretinograma en una batería de pruebas para el diagnóstico precoz de la muerte encefálica. In Chouza, C (Ed.): Proceedings of the VIII Pan-American Congress of Neurology. Imprenta Americana, Montevideo, Uruguay, 1995; pp:559-570.

44. XIX Concurso Nacional. Premio Anual de la Salud. Trabajos Galardonados. Machado C. Nueva Definición de la muerte humana (Teoría Científica). La Habana: ECIMED 1995:9-50.

45. Machado, C. La muerte desde el punto de vista neurológico. Última parte. Salud para Todos (Buenos Aires) 34:6-7, Enero 1996.

46. Machado, C. Nueva definición de la muerte humana, según mecanismos fisiopatológicos de generación de la conciencia. Rev Cubana Med 1996; 35(3):147-151.

47. Machado, C. An early prediction of the clinical course in cerebrovascular coma by evoked potentials. In: Kimura, J and Shibasaki, H (eds.): Recent Advances in Clinical Neurophysiology (Proceedings of the Xth Congress of EMG and Clinical Neurophysiology, Kyoto, Japan, Octubre 5--19, 1995). Elsevier Science, B.V., Amsterdam, 1996, pp:402-496.

48. Machado, C. La muerte en el ser humano: una nueva definición. Cuadernos de Bioética (España) 2:179-190,1996.

49. Machado, C. Early prediction of the clinical course in comatose patients by evoked potentials. Neurology 46(2):P02-P09, 1996.

50. Machado, C. Coma: Early prediction of its clinical course by evoked potentials. Journal of the Neurological Sciences 150 (Supplement of the XVI World Congress of Neurology):S309, 1997.

51. Hernández-Meilán, O, Hernández-Meilán, M, Machado, C. Capablanca' s stroke. An early neurogenic heart disease. Journal of the History of Neuroscience (en imprenta).

52. La muerte Humana. En Acosta J. (Ed.). Bioética desde una perspectiva cubana. Edición del Centro "Felix Varela", La Habana, 1997, pp:

53. Díaz-Comas L, López-Hernández V, Machado C, Riquenes A. Análisis de los métodos para el estudio en línea de la actividad eléctrica. Revista CNIC 1997;28(3):113-114.

54. Machado, C. Una nueva formulación de la muerte: Definición-criterio-pruebas confirmatorias. Rev Neurol. 1998 Jun;26(154):1040-7.

55. Machado, C, y Román, JM. Utilidad de los potenciales evocados multimodales y el electrorretinograma en el diagnóstico precoz de la muerte encefálica. Revista de Neurología (Madrid) 1998;159:809-817.

56. Machado C, Valdes P, Virues T, Bosch J, Aubert, E, Pando A, Renzo J, Avila Y. Early abnormalities in acute ischemic stroke detected by quantitive electric tomography. Neurology 1999;52 (Suppl. 2): A276.

57. Cabrera JA, Lopez-Saura P, Santana E, Machado C. Interferon Alpha-2b recombinant in multiple sclerosis: Preliminary report. . Neurology 1999;52 (Suppl. 2): A291.

58. Machado C. Consciousness as a definition of death: Its appeal and complexity. Clinical Electroencephalography 1999;30:156-164.

59. Alvarez MA, Machado C, Barroso E, Pando A, Fernandez O, Mestre R, Alonso E. Subclinical attention changes in transient ischemic attacks in the vertebrobasilar region. Rev Neurol 1999 Jul 1-15;29(1):20-2

60. Alvarez M, Guell R, Daniel L, Berazain AR, Machado C, Pascual A. Neuro-cognitive condition of 8 year old children with congenital hypothyroidism treated early. Rev Neurol 1999;28(7):701-6

61. Machado C. Is the concept of brain death secure? En: Adam Zeman y Linda Emanuel, eds. Ethical Dilemmas in Neurology. London: W. B. Saunders Company, Vol 36, 2000:193-212.

62. Machado C. Do we accept brain or brainstem death as the death of the individual? http://bmj.bmjjournals.com/cgi/eletters/320/7244/1266#9287 (August 16, 2000).

63. Machado C, Valdés P, Virues T, Bosch J, Aubert E, Barroso E, Alvarez MA, Pando A, Avila Y. Assessing stroke by quantitative electric tomography in the Neurointensive Care Unit. Revista de la Sociedad Neurológica Argentina 2001; (Suppl 1) SY12.1, pp28.

64. Machado C, Valdes P, Virues T, Bosch J, Aubert E. Quantitative electroencephalographic Tomography for Assessing Acute Stroke. Ann Neurol 50(3S):S39-S43.

65. Machado C. The minimally conscious state: Definition and diagnostic criteria. Neurology. 2002 Nov 12;59(9):1473; author reply 1473-4.

66. Machado-Curbelo C. ¿Defendemos una visión encefálica de la Muerte? Rev Neurol 2002;35(4): 387-396

67. Machado C. Response to: Wijdicks EFM. Brain death worldwide: Accepted fact but no global consensus in diagnostic criteria. http://www.neurology.org/cgi/eletters/58/1/20#388. (June 20. 2002).

68. Machado C. More controversies on brain death diagnosis. Response to Baumgartner H, and Gerstenbrand F. Diagnosing brain death without a neurologist. http://bmj.bmjjournals.com/cgi/eletters/324/7352/1471#23270. (June 23, 2002).

69. García-Roca M de la C, Hernández LP. Machado C. Blink reflex for an early diagnosis of facial nerve and brain-stem functional impairment. Clinical Neurophysiology 2003;114:159.

70. Hernández LP, García-Roca M de la C, Machado C. Predicting clinical course in comatose patients by evoked potentials. Clinical Neurophysiology 2003;114:165.

71. Machado C. Resolución para la determinación y certificación de la muerte en Cuba. Rev Neurol 2003; 36(8):763-770.

72. Machado C. A definition of human death should not be related to organ transplants. J Med Ethics 2003; 29(3):201-202

73. Cuspineda E, Machado C, Aubert E, Galán L, Llopis F, Avila Y. Predicting outcome in acute stroke: a comparison between QEEG and the Canadian Neurological Scale. Clin Electroencephalogr 2003; 34(1):1-4.

74. García Roca M, Hernández LP, Machado C. Blink reflex for an early diagnosis of facial nerve and brain-stem functional impairment. Clinical Neurophysiology 2003;114:159.

75. Hernández LP, García Roca M, Machado C. Predicting clinical course in comatose patients by evoked potentials. Clinical Neurophysiology 2003;114:165.

76. Machado C. Randomized clinical trial of magnesium, diazepam, or both after out-of-hospital cardiac arrest. Neurology. 2003 Jun 10;60(11):1868; author reply 1868-9.

77. Machado C. Evoked potentials in brain death. Electroenceph clin Neurophysiol 2004;115(1):238-239.

78. Machado C and Shewmon DA, eds. Brain Death and Consciousness Disorders. Advances in Experimental Medicine and Biology, Vol. 550. New York: Kluwer Academic/Plenum Publishers 2004:1-283.

79. Facco E, Machado C. Evoked potentials in the diagnosis of brain death. Adv Exp Med Biol. 2004;550:175-87.

80. Machado C, Abeledo M, Álvarez C, Aroche RM, Barrios I, Lasanta AM, Beguería R, Cabrera A, Castro BL, Cobas ME, Cuspineda E, Enamorado A, Fernández N, Figueredo P, García OD, García T, Gómez N, González C, González N, González J, González A, Herrera R, Lage J, Martínez A, Pardo A, Parets J, Pérez L, Pérez J, Pons M, Pozo D, Rojas I, Román JM, Roselló H, Ruiz R, Santiago A, Sordo S, Suárez R, Zamora R. Cuba has passed a law for the determination and certification of death. Adv Exp Med Biol. 2004; 550:139-42.

81. Korein J, Machado C. Brain death: updating a valid concept for 2004. Adv Exp Med Biol. 2004;550:1-14.

82. Machado C, Cuspineda E, Valdés P, Virúes T, Llopis F, Bosch J, Aubert E, Hernández E, Pando A, Alvarez MA, Barroso E, Galán L, Ávila Y. Assessing acute middle cerebral artery ischemic stroke by quantitative electric tomography. Clin EEG Neurosci. 2004;35(3):116-24.

83. Machado C. The Havana International Symposia on Coma and Death. http://intl.sciencemag.org/cgi/eletters/304/5668/207b?ck=nck

84. Machado C. Havana and the Coma and Death Symposia. N Engl J Med 2004;351:1150-1151.

85. Machado C. Response to: Assessment: Transcranial Doppler ultrasonography: Report of the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology. Neurology. 2004;63(12):2457-8; author reply 2457-8.

86. Palmero Camejo R, Rodríguez Rojas R, Morales Chacón L, Carballo Barreda M, Machado Curbelo C. Espectroscopía protónica por resonancia magnética en la cirugía de la epilepsia del lóbulo temporal. Experiencia de los primeros 5 casos en Cuba, Rev Mex Neuroc 2004;5(4):300-306.

86. Palmero Camejo R, Jiménez Conde A, Rodríguez Rojas R, Hernández Zayaz H, Galárraga J, Machado C. Evaluación no invasiva mediante resonancia magnética del meduloblastoma desmoplásico. A razón de un caso. Rev Mex Neuroc 2004;5(6):635-640.

87. Machado C. Determination of death. Acta Anaesthesiol Scand. 2005;49(4):592-593.

88. Machado C. Can vegetative patients retain cortical processing? Clinical Neurophysiology 2005;116 2253-2254.

89. Molina-Martín LA, Ríos-Abreu L, Molina-Martín JC, Ávila-Oliva M, Hernández-Silva Y, Amador-Vázquez C, Machado-Curbelo C. Comportamiento clínico epidemiológico de la muerte encefálica en el territorio Oriente Norte de Cuba durante los años 2002-2003. Rev Neurol 2005;40(3):188.

90. Machado C. The first organ transplant using a brain-dead donor. Neurology 2005;64:1938-1942

91. Machado C. Cerebral processing in the minimally conscious state. Neurology 2005; 65(6):973-4; author reply 973-4.

92. Machado C, García OD, Gutiérrez J, Portela L, García MC. Heart rate variability in comatose and brain-dead patients Clin Neurophysiol. 2005;116(12):2859-60.

93. Gutierrez JV, Mustelier R, Lestayo Z, Machado C. Blink reflex excitability in amyotrophic lateral sclerosis. Muscle & Nerve 2006;34(4):525-526.

94. Machado C. The Concept of Brain Death Did Not Evolve to Benefit Transplantation. **http://www.abstracts2view.com/aan/view.php?nu=AAN06L_H01.008**. April 1, 2006[H01.009].

95. Eelco F.M. Wijdicks and Calixto Machado. The first organ transplant from a brain-dead donor. Neurology 2006 66: 460-461.

96. Gutierrez J, Lestayo Z, Mustelier R, Machado C. blink reflex habituation in patients with early-staged amyotrophic lateral sclerosis. Clinical Neurophysiology 2006;117:1

97. Machado C. The Concept of Brain Death Did Not Evolve to Benefit Transplantation. Neurology 2006;66(Suppl. 2):H01.008

96. Machado C. Terminating artificial nutrition and hydration in persistent vegetative state patients: current and proposed state laws. Neurology. 2007 Jan 23;68(4):312; author reply 312-313.

97. Machado C, Korein J, Ferrer Y, Portela L, García M de la C, Manero JM. The concept of brain death did not evolve to benefit organ transplants. Journal of Medical Ethics J. Med. Ethics, Apr 2007; 33: 197 - 200.

98. Machado C, Korein J, Aubert E, Bosch J, Álvarez MA, Rodríguez R, Valdés P, Portela L, García M, Pérez N, Chinchilla M, Machado Y, Machado Y. Recognizing a mother's voice in the persistent vegetative state. Clinical EEG and Neuroscience 2007; 38(3):124-126.

99. Cuspineda E, Machado C, Galán L, Aubert E, Alvarez MA, Llopis F, Portela L, García M, Manero JM and Ávila Y. QEEG Prognostic Value in Acute Stroke. Clinical EEG and Neuroscience 2007; 38(3):155-160

100. Machado C, and Korein J. The acceptance of the brain death concept and organ transplants. Response to Veronica English: Is presumed consent the answer to organ shortages? Yes. BMJ

http://www.bmj.com/cgi/content/full/334/7603/1088?ijkey=b30aa9ea48d7308562bca4182336b474ec155cf2&keytype2=tf_ipsecsha.

101. Machado C, Korein J, Ferrer Y, Portela L, García M de la C, Manero JM. The concept of brain death did not evolve to benefit organ transplants. Authors' response to Michael Potts, Miran Epstein, and David W Evans. Auhttp://jme.bmj.com/cgi/eletters/33/4/197#1584 (June 12, 2007).

102. Machado C. Cerebral response to patient's own name in the vegetative and minimally conscious states. Neurology 2007 Aug 14;69(7):708; author reply 708-9.

103. Machado C. Brain Death: A reappraisal. New York: Springer 2007:1-126.

104. Machado C. Preface. In: Machado C, ed., Brain Death: A reappraisal. New York: Springer 2007:VII.

105. Machado C. The concept of brain death did not evolve to benefit organ transplants. In: Machado C, ed., Brain Death: A reappraisal. New York: Springer 2007:1-20.

106. Machado C. The first organ transplant from a brain-dead donor. In: Machado C, ed., Brain Death: A reappraisal. New York: Springer 2007:1-20.

107. Machado C. Conceptual approach to human death on neurological grounds. In: Machado C, ed., Brain Death: A reappraisal. New York: Springer 2007:32-70.

108. Machado C. Clinical diagnosis of brain death. In: Machado C, ed., Brain Death: A reappraisal. New York: Springer 2007:71-101.

109. Machado C. Ancillary tests in brain death confirmation. In: Machado C, ed., Brain Death: A reappraisal. New York: Springer 2007:102-157.

110. Machado C. Brain death in children. In: Machado C, ed., Brain Death: A reappraisal. New York: Springer 2007:158-168.

111. Machado C. Vegetative and minimally conscious states and other disorders of consciousness. In: Machado C, ed., Brain Death: A reappraisal. New York: Springer 2007:169-199.

112. Machado C. Brain death and organ transplantation: Ethical issues. In: Machado C, ed., Brain Death: A reappraisal. New York: Springer 2007:200-207.

113. Machado C. Legal considerations on the determination and certification of death. In: Machado C, ed., Brain Death: A reappraisal. New York: Springer 2007:208-215.

114. Machado C, Lin KC, Kuo JR, Greer DM, Varelas PN, Haque S, Wijdicks EFM. Variability of brain death determination guidelines in leading us neurologic institutions. Neurology 2008;71;1125-1126

115. Machado C, Rodriguez R, Carballo M, Perez J, Korein J. Results of Proton MRS Studies in PVS and MCS Patients. Canadian journal of neurological sciences 2009;36(3):365-369

116. Machado C, Korein J. Neuropathology of brain death in the modern transplant era. Neurology 2009;72(11):1028-1028.

117. Machado C. Julius Korein, MD (1928-2008) in memoriam. Neurology 2009;72(10):872-872.

118. Perez J, Scherle C, Machado C. Subsequent bilateral thalamic haemorrhage. BMJ Case Reports, 2009; doi:10.1136/bcr.04.2009.1734 (Published 26 June 2009)

119. Cuspineda ER, Machado C, Virues T, Martínez-Montes E, Ojeda A, Valdés PA, Bosch J, Valdés L. Source Analysis of Alpha Rhythm Reactivity Using LORETA Imaging With 64-Channel EEG and Individual MRI. Clinical EEG & Neuroscience 2009;40(3):150-156.

120. Machado-Curbelo C, Portela-Hernández L, García-Roca MG, Pérez-Nellar J, Scherle-Matamoros CE. Batería neurofisiológica para la neuromonitorización del coma y el diagnóstico de la muerte encefálica. Rev Cub Med 2009;48(2).

121. Scherle C, Pérez-Nellar, Machado C. Coexistence of vasospasm and microembolism detected by transcranial Doppler ultrasonography in a patient with Subarachnoid Hemorrhage. BMJ Case Reports 2009:published online 14 December 2009, doi:10.1136/bcr.06.2009.2051

122. Pérez-Nellar J, Machado C, Hierro-García D, Scherle C, Roselló-Silva H. Duplicated middle cerebral artery. BMJ Case Reports 2009:published online 3 December 2009, doi:10.1136/bcr.06.2009.2035

123. Machado C. The brain is the target organ in cardiorespiratory reanimation. Current Anaesthesia & Critical Care 20 (2009):148.

124. Machado C, Leisman G, ed. Toward a Practical Understanding of Life, Death and Consciousness. Rev Neurosci. 2009;20(3-4):147-323.

125. Machado C, Leisman G. Towards an effective definition of death and discussion on disorders of consciousness. Rev Neurosci. 2009;20(3-4):147-50.

126. Machado C, Rodríguez R, Carballo M, Korein J, Sanchez-Catasus C, Pérez J, Leisman G. Brain anatomy, cerebral blood flow, and connectivity in the transition from PVS to MCS. Rev Neurosci. 2009;20(3-4):177-80.

127. Machado, C, Korein J. Irreversibility: Cardiac death vs. brain death. Rev Neurosci. 2009;20(3-4):199-202.

128. Machado C. Persistent vegetative and minimally conscious states. Rev Neurosci. 2009;20(3-4):203-20.

129. Perez-Nellar J, Scherle C, Machado C. TCD systolic spikes in a malignant MCA infarct. Neurocrit Care. 2009;11(1):94-6.

130. Machado C, J. Perez-Nellar, R. Rodríguez, C. Scherle, J. Korein, Risa Nakase-Richardson, Stuart A. Yablon, Mark Sherer, and Clea C. Evans. Emergence from minimally conscious state: insights from evaluation of posttraumatic confusion. Neurology 2010;74:1156-1157.

131. Machado C. Are brain death findings reversible? Pediatr Neurol. 2010 42(4):305-6

132. Machado-Curbelo C, Perez-Nellar J, Scherle-Matamoros C. ¿Por qué la muerte encefálica es sinónimo de muerte del individuo? Revista Cubana de Anestesiología y Reanimación 2010:9(1) 14-23.

133. Calixto Machado, Jesus Pérez-Nellar, Claudio Scherle, Alejandro Pando, Julius Korein. Cardio-respiratory reanimation: The brain is the target organ. Current Anaesthesia & Critical Care 2010:21(1):50-51.

134. Rodriguez-Rojas R, Machado C, Alvarez L, Carballo M, Perez-Nellar J. metabolic changes underlying bold signal variations after administration of zolpidem. http://publications.ictp.it IC/2010/085

135. Machado C, Estevez M, Rodriguez R, Perez-Nellar J, Silva S, Loubinoux I, Chollet F. Wakefulness and loss of awareness: brain and brainstem interaction in the vegetative state. Neurology 2010;75:751-52.
136. Estévez-Báez M, Machado-Curbelo C, Gutiérrez-Gill J, Machado A. Evaluación de la regulación autonómica cardiovascular en pacientes con afectaciones severas de conciencia. Medisur 2010;8(1)75-76.
137. Leisman G, Melillo R, Machado C. Functional Disconnectivities in Autistic Spectrum Individuals Informs Disorders of Consciousness. Medisur 2010;8(1)76-76. http://medisur.sld.cu/index.php/medisur/article/view/1130
138. Carballo-Barreda M, Machado C, Rodríguez R, Perez J, Korein J. Cambios metabólicos en el tránsito del estado vegetativo a mínima conciencia evidenciados por Espectroscopía por Resonancia Magnética. Medisur 2010;8(1)78-79. http://medisur.sld.cu/index.php/medisur/article/view/1130
139. Carballo-Barreda M, Machado C, Rodríguez R, Perez J, Korein J. Estudio de conectividad de redes cerebrales en pacientes en estado vegetativo persistente utilizando imágenes multimodales de Resonancia Magnética. Medisur 2010;8(1)79. http://medisur.sld.cu/index.php/medisur/article/view/1130
140. Djuric S, Djuric V, Zivkovic M, Milosevic V, Jolic M, Stamenovic J, Djordjevic G, Machado C. Are somatosensory evoked potentials of the tibial nerve the most sensitive test in diagnosing multiple sclerosis? Neurology India 2010; DOI: 10.4103/0028-3886.68669.
141. Machado C, Foyaca-Sibat H. Portrayal Of Persistent Vegetative States In The Media. The Internet Journal of Neurology. 2010 Volume 12 Number 2 http://www.ispub.com/journal/the_internet_journal_of_neurology/volume_12_number_2_4/article/portrayal-of-persistent-vegetative-states-in-the-media.html
142. Machado C & Foyaca-Sibat H: Awareness Might Be Assessed By Quantitative Electric Tomography in Persistent Vegetative State And Minimally Conscious State. The Internet Journal of Neurology. 2010 Volume 13 Number 1 http://www.ispub.com/journal/the_internet_journal_of_neurology/volume_13_number_1_5/article/awareness-might-be-assessed-by-quatitive-electric-tomoggraphy-in-persistent-vegetative-state-and-minimally-conscious-state.html
143. Foyaca-Sibat H & Machado C : The case in favor of ancillary tests in brain death determination. The Internet Journal of Neurology. 2010 Volume 13 Number 1 http://www.ispub.com/journal/the_internet_journal_of_neurology/volume_13_number_1_5/article/the-case-in-favor-of-ancilary-tests-in-brain-death-determination.html
144. When are ancillary tests recommended in brain death confirmation? - C. Machado, J. Perez, C. Scherle & J. Korein. Internet Journal of Neurology 2010 - Volume 12 Number 2. 2010.
145. Machado C, Estévez M, Chinchilla M, Pérez-Nellar J, Gutiérrez J, Beltrán C, Machado Y, Machado Y. Recognition of the mom's voice with an emotional content in a PVS patient. Clin Neurophysiol. 2010;75:1871-1878.
146. Gutiérrez J, Machado C, Estévez M, Hernandez H, Perez J, Beltran C, Leisman G. Heart rate variability changes induced by auditory stimulation in persistent vegetative state. International Journal on Disability and Human Development 2010; 9(4):357–362. DOI: 10.1515/IJDHD.2010.041, December 2010.

147. Machado Curbelo C. Carta al editor. Revista Cubana de Medicina 2010 (4): http://bvs.sld.cu/revistas/med/vol_49_4_10/med13410.htm
148. Machado C. Diagnosis of brain death. Neurology International 2010;2:e2 doi:10.4081/ni.2010.e2
149. Perez-Nellar J, Scherle C, Machado C. Value of Transcranial Doppler diastolic velocity decay and pulsatility index increment for assessing PVS. Canadian J Neurological Sciences 2010; 37(6):831-836.
150. Machado C. Describing life to define death: a Cuban perspective. MEDICC Rev. 2010 Oct;12(4):40.
151. Carrick F, Leisman F, Melillo R, Machado C. 128 disorders of movement and motor function do not affect consciousness but facilitate cognitive and motor plasticity. Parkinsonism & Related Disorders 2010;16:S37.
152. Hodelin Tablada R, Machado Curbelo C. Nuevos conceptos sobre la generación y el mantenimiento de la vigilia. Revista de Neurología 2010;51(12): Diciembre 16.
153. Machado C. In Memoriam. Fred Plum (1924-2010). Rev Neurol 2010;51:768.
154. Machado C. A avaliação neurofisiológica no coma e na morte encefálica. In: Luiz Carlos Pinto (Ed): Neurofisiologia clínica: princípios básicos e aplicações. 2ª. Edição. São Paolo: Editora Atheneu 2010.
155. Machado C, Estévez M, Pérez-Nellar J, Gutiérrez J, Rodríguez R, Carballo M, Chinchilla M, Machado A, Portela L, García-Roca MC, Beltrán C. Autonomic, EEG, and behavioral arousal signs in a PVS case after Zolpidem intake. Can J Neurol Sci. 2011;38(2):341-4.
156. Settergren G, Machado C. Allow elective ventilation to recruit more organ donors. Acta Anaesthesiol Scand 2011; 55: 340–343.
157. Leisman G, Machado C. Considering consciousness clinically. Journal of Functional Neurology, Rehabilitation and Ergonomics 2011; 1(1):17-23.
158. Pérez-Nellar J, Machado C, Scherle C, Alvarez R, Areu A. Clinical and Neuropathologic Study of a Series of Brain-dead Patients from a Tertiary Hospital in Cuba. Journal of Functional Neurology, Rehabilitation and Ergonomics 2011; 1(1):25-32.
159. Machado C, Estévez M, Rodríguez R, Carballo M, Pérez-Nellar, J, Fleitas M, Leisman G. Are Persistent Vegetative State Patients Isolated from the Outer World? Journal of Functional Neurology, Rehabilitation and Ergonomics 2011; 1(2):357-378.
160. Hodelín-Tablada R, Machado-Curbelo C, Fuentes-Pelier D. Los diez errores que más frecuentes que se cometen ante el paciente con el diagnóstico de muerte encefálica. Acta Pediátrica de México 32(2):140-142.
161. Hodelin-Tablada R, Machado C. Describing Life to Define Death: A Cuban Perspective. MEDICC Review 2011;13(3): 5
162. Machado C, Hirsch J, Estevez M, Gutierrez J, Perez-Nellar J, Olivares A, A network approach to assessing cognition in disorders of consciousness. *Neurology* 2011;77;511
163. Machado C, Estévez M, Carrick F, Mellilo R, Leisman G. qEEG may increase the reliability of diagnostic and prognostic procedures in cerebral arterial gas embolism (Editorial). Clin Neurophysiol. 2011 Jul 22. [Epub ahead of print]
164. Hodelín Tablada R, Machado Curbelo C. Estado vegetativo persistente: Un reto para las Neurociencias contemporáneas. Rev Cubana Neurol Neurocir 2011:1(1):44-51.
165. Machado Curbelo C. Fred Plum: Uno de los más eminentes neurólogos de todos los tiempos. Rev Cubana Neurol Neurocir 2011:1(1):97-100.

166. Calixto Machado, Mario Estévez, Mauricio Chinchilla, Jesús Pérez-Nellar, Joel Gutiérrez, Ana Olivares, Carlos Beltrán, Yazmina Machado, and Yanín Machado. Autonomic Assessment during Recognition of the Mother's Voice in a Persistent Vegetative State Patient. Journal of Functional Neurology, Rehabilitation and Ergonomics 2011;1(3):
167. Machado C, Estévez M, Rodríguez R, Pérez-Nellar J, Gutiérrez J, Carballo M, Olivares A, Fleitas F, Pando A, Beltrán C. A Cuban Perspective on Management of Persistent Vegetative State MEDICC Rev. 2012;14(1):44-48.
168. Machado, C. Blood Pressure Patterns After Brain Death [electronic response to Fugate et all]. Neurology 2011. http://www.neurology.org/content/77/4/399.full/reply#neurology_el_43037 (accessed March 29th 2012).
169. Settergren G, Machado C, Abdo A. Den som har det största behovet ska ges företräde. bud mot respiratorbehandling i strid mot hälso- och sjukvårdslagens portalparagraf? Läkartidningen. 2012;109(8):420.
170. Machado, C. Blood Pressure Patterns after Brain Death [electronic response to Fugate et all]. Neurology 2011. http://www.neurology.org/content/77/4/399.full/reply#neurology_el_43037 (accessed March 29th 2012).
171. Settergren G, Machado C, Abdo A. Den som har det största behovet ska ges företräde. bud mot respiratorbehandling i strid mot hälso- och sjukvårdslagens portalparagraf? Läkartidningen. 2012;109(8):420.

Curriculum Vitae

Philip A. De Fina
58 Furnace Rd.
Chester, NJ 07930
pdefina@ibrfinc.org
Voice: (973) 714-2228

Personal Data

Born:	Brooklyn, NY
Citizenship:	United States of America
Marital Status:	Single
Children:	Alexandra, 02/17/1991

Education

Year	Degree	Field	Institution
1995	Ph.D.	Clinical Psychology	Fielding Graduate Institute
1980	M.A.	Educational Psychology	New York University
1978	B.A.	Psychology/ Political Science	New York University

Postdoctoral Training

1996-98	Clinical Psychology	Dr. John Breeskin	Camp Springs, MD

Clinical and Research Fellowships

National Institutes of Health, National Institute of Mental Health, Laboratory of Neuropsychology and Neurophysiology, Guest Researcher

Licensure and Certification

2002	American Board of School Neuropsychology, Diplomate
2000	Certified School Psychologist/New Jersey
2000	American Board of Pediatric Neuropsychology, Diplomate
1999	American Academy of Experts in Traumatic Stress Certification
1998	American Academy of Police Psychology, Diplomate
1991	Certified School Psychologist/ Maryland

Academic Appointments

2003-Present	Research Assistant Professor, Department of Psychiatry New York University School of Medicine
2004-2006	Neuropsychiatric Advanced Care Unit (NACU) Pilot Program, Bellevue Hospital Center
2002	Post-graduate School Neuropsychology Program Texas Women's University, East Coast Faculty
1997-1999	Adjunct Associate Professor, Department of Psychology University of Maryland
1995-2001	Director of Neuropsychology The Fielding Graduate Institute

Hospital Appointments

2007-Present	Clinical and Research Consultant for the Severe Disorders of Consciousness Program Kessler Institute for Rehabilitation
2004-2008	Assistant Professor, Department of Psychiatry New York University School of Medicine
2004-2006	Chief Neuropsychologist and Director of Neurotherapies New York University School of Medicine's Brain Research Laboratories
2003	Clinical Neuropsychologist Matheny School and Hospital
1982-1988	Psychologist/Neuropsychologist City Hospital Center at Elmhurst
1980	Psychodiagnostic Testing Bellevue Psychiatric Hospital
1978-1980	Research Assistant New York University Medical Center
1978-1980	Extern, Neuropsychology Testing Bellevue Hospital Center
1974-1978	Research Assistant SUNY Downstate Medical Center

Other Professional Positions and Major Visiting Appointments

1997-2001	Guest Researcher National Institute of Mental Health (NIMH) Laboratory of Clinical and Experimental Neuropsychology
1980-1982	Collaborating Scientist Brookhaven National Laboratory, PETT Project

Neuroscience Foundation

2005-Present	Founded the International Brain Research Foundation (IBRF) in 2004 and currently serves as Chief Executive Officer and Chief Scientific Officer. This 501 (c) 3 organization is dedicated to making advances in translational neuroscientific research

Research Presentations

Hilz MJ, Marthol H, Intravooth T, **De Fina P**, Schwab S. Brain death is preceded by a sympathetic cardiovascular hyperactivity. Poster presentation at the 20th International Symposium on the Autonomic Nervous System of the American Autonomic Society (AAS), November 11 - 14, 2009, St. Thomas, US Virgin Islands, USA.

Hilz MJ, Marthol H, **De Fina P**, Schwab S. High NIHSS scores after stroke onset suggest increased sympathetic risk. Oral presentation at the 20th International Symposium on the Autonomic Nervous System of the American Autonomic Society (AAS), November 11 - 14, 2009, St. Thomas, US Virgin Islands, USA.

Intravooth T, Hilz MJ, **De Fina P**, Schwab S. Sympathetic cardiovascular hyperactivity precedes brain death. Poster Presentation at the 19th World Congress of Neurology (WCN), October 24 – 30, 2009, Bangkok, Thailand.

Hilz MJ, Schwab S, **De Fina P**, Marthol H. High NIHSS scores after stroke onset suggest increased risk of sympathetic cardiac complications. Poster presentation at the 82nd Congress of the German Neurologic Society (DGN), September 23 – 26, 2009, Nuremberg, Germany.

Hilz MJ, Anders S , Aurnhammer F, Marthol H, Baltadzhieva R, Schroeder T, Roßmeißl A, Schwab S, Flanagan S, **De Fina P**. Patients with mild traumatic brain injury show subtle sympathetic cardiac dysfunction during orthostatic challenge. Oral presentation at the 13th Congress of the European Federation of Neurological Societies (EFNS), September 12 – 15, 2009, Florence, Italy.

Hilz MJ, Aurnhammer F, Anders S, Marthol H, Blaszczynska P, Schroeder T, Roßmeißl A, Schwab S, Flanagan S, **De Fina P**. Patients with mild traumatic brain injury have subtle autonomic cardiovascular dysfunction with ocular pressure test. Poster presentation at the 13th Congress of the European Federation of Neurological Societies (EFNS), September 12 – 15, 2009, Florence, Italy.

Hilz MJ, Aurnhammer F, Anders S, Marthol H, Blaszczynska P, Schroeder T, Roßmeißl A, Schwab S, Flanagan S, **De Fina P**. Ocular pressure test unveils subtle autonomic cardiovascular dysfunction in patients after mild traumatic brain injury. Poster presentation at the 6th Congress of The International Society for Autonomic Neuroscience (ISAN), a joint meeting with the European Federation of Autonomic Societies (EFAS), September 01 – 4, 2009, Sydney, Australia.

Hilz MJ, Anders S, Aurnhammer F, Marthol H, Blaszczynska P, Schroeder T, Roßmeißl A, Schwab S, Flanagan S, **De Fina P**. Orthostatic challenge identifies subtle sympathetic cardiac dysfunction in patients after mild traumatic brain-injury. Poster presentation at the 6th Congress of The International Society for Autonomic Neuroscience (ISAN), A joint meeting with the European Federation of Autonomic Societies (EFAS), September 01 – 4, 2009, Sydney, Australia.

Professional Presentations

2003 Guest Speaker
Symposium on Brain Functions and Learning
Philadelphia, Pennsylvania
Topic: *Developing Brain-Based Classrooms and Diagnostic and Intervention Strategies for Special Education*

2003 Guest Speaker
Somerset County Board of Education
Somerset, NJ
Topic: *Brain-Based Models for Education*

2003 Guest Speaker
Reading and the Brain Conference
Tarrytown, NY
Topic: *Neuropsychological Models for Educators: Understanding the Reading Process*

2003 Guest Speaker
NYS School Psychological Association
Albany, NY
Topic: *Executive Functions, Memory and Attention: A Clinical Assessment Model for School Psychologists*

2003 Guest Speaker
NJ Association of School Psychologists
Hightstown, NJ
Topic: *Neuropsychology of Behavior and Emotions*

2003 Guest Speaker
NEU 19
Pennsylvania
Topic: *A Neuropsychological Model for Assessing School-Aged Children* (3 Workshops)

2003 Guest Speaker
Learning and the Brain Conference, Harvard University
Cambridge, Massachusetts
Topic: *Neurobiology and Neuropsychology of Memory Functions*

2002 Guest Speaker
Southern Westchester BOCES
Westchester, NY
Topic: *A Neurobehavioral Approach to Special Populations: A Brain-Based Teacher Clinician Model*

2002 Guest Speaker
NYC Public Schools
Queens, NY
Topic: *Neuropsychology of Written Language Disorders*

2002 Guest Speaker
NY Association of School Psychologists
Westchester, NY
Topic: *A School Psychology Model for Neuropsychological Assessment*

2002 Guest Speaker
North Westchester and Putnam Counties BOCES
Westchester, NY
Topic*: A Neurobehavioral Approach to Special Populations: A Brain-Based Teacher Clinician Model*

2002 Guest Speaker
New Jersey Association of School Psychologists
Hightstown, NJ
Topic: *Reading and Written Language Disorder in Children: A School Neuropsychological Approach*

2002 Guest Speaker
Matheny School and Hospital
Peapack, NJ
Topic: *Neuropsychological Applications for Children with Severe Brain Syndromes*

2002 Guest Speaker
Learning and the Brain Conference Harvard University Science Center
Cambridge, Massachusetts
Topic: *Pediatric Neuropsychological Tests in an Educational Setting*

2001 Guest Speaker
Third World Conference on Pediatric Neuropsychology
San Juan, Puerto Rico
Topic: *Critical Issues in Pediatric Neuropsychological Assessment*

2001 Guest Speaker
Third World Conference on Pediatric Neuropsychology
San Juan, Puerto Rico
Topic: *Language Disorders Spectrum: Speech, Reading, and Writing Assessment Links to Intervention*

2001 Guest Speaker
New York City Public Schools
Queens, NY
Topic: *Neuropsychology of Reading Disorders*

2001 Guest Speaker
National Institute of Neurologic Disease and Stroke (NINDS)
Topic: *Traumatic Brain Injury: A Cognitive Neuropsychological Approach to Comprehensive Assessment*

2001 Guest Speaker
National Association of School Psychologists (NASP) Convention
Washington, DC
Topic: *Neuropsychological Assessment Technique for Learning Disorders*

2001 Guest Speaker-Learning and the Brain Conference
Harvard University Science Center
Topic: *Linking Brain Research and Educational Assessment*

2001 Guest Speaker
Beckterev Institute of Neuroscience
St. Petersburgh, Russia
Topic: *Neuropsychological Assessment Models for Toxic Encephalopathy's*

2000 Guest Speaker
Virginia Psychological Association and Virginia Association of School Psychologists
Alexandria, VA,
Topic: *Frontal Lobes and Executive Functions in Normal and Abnormal Population*

2000 Guest Speaker
Rainbow School
Bronx, NY
Topic: *Advanced Seminar in Autism Spectrum Disorders*

2000 Guest Speaker
Power Places Tours and Conferences
St. Croix, U.S. Virgin Islands
Topic: *Making Order of Reading Disorders* (one week summer institute program).

2000 Guest Speaker
New York University School of Medicine
New York, NY
Topic: *Neurodevelopment and Neural Plasticity in Clinical Assessment*

2000 Guest Speaker
National Institute of Mental Health (NIMH)
Bethesda, MD
Topic: *A comprehensive assessment of Functions and Behavior from an Integrated Neuropsychological Approach*

2000 Guest Speaker/Director of 2 week training program
Moscow Research Institute of Psychiatry
Moscow, Russia.
Topic: *Attention, Memory and Executive Functions Assessment in Children and Adolescents.*

2000 Guest Speaker
Maryland State Department of Education
Baltimore, MD
Topic: *Autism Spectrum and Dysexecutive Functions: A Comprehensive Model of Frontal Lobe Issues in the Classroom*

2000 Guest Speaker-Maryland Association of Occupational and Physical Therapists
Baltimore, MD
Topic: *New Methods in Assessing Brain functions for Motor Disorder*

2000 Guest Speaker
ASAH State Conference
Atlantic City, NJ
Topic: *Neuropsychological Assessment for Learning Disabilities*

2000 Guest Speaker
American Occupational Therapy Association
Bethesda, MD
Topic: *Designing Advanced Training for Brain Syndromes: A Clinical Neurobehavioral Model*

2000 Guest Speaker
Second World Conference on Pediatric Neuropsychology
Santa Barbara, CA
Topic: *Neuropsychological Assessment for School Psychologists & Pediatricians: What they need to know for educational planning*

2000 Guest Speaker
Second World Conference on Pediatric Neuropsychology,
Santa Barbara, CA
Topic: *The Neuropsychology of Violence*

1999 Guest Speaker
University of Pennsylvania, Health Science Center
Philadelphia, PA
Topic: *Frontal Lobe, Executive Functions, and Human Behavior*

1999 Guest Speaker
Illinois Psychological Association
Chicago, IL
Topic: *Evaluating Closed Head Injuries in Children and Adolescents: A Comprehensive Neurobehavioral Approach*

1999 Guest Speaker
World Conference on Pediatric Neuropsychology
Richard and Pat Johnson's Children Hospital at St. Mary's Medical Center
Palm Beach, FL
Topic: *A Comprehensive Neuropsychological Approach for Pediatric Assessment*

1999 Guest Speaker
World Conference on Pediatric Neuropsychology
Richard and Pat Johnson's Children Hospital at St. Mary's Medical Center
Palm Beach, FL
Topic: *Functional Neuroanatomy: From Neurons to Neuropsychological Assessment*

1999 Guest Speaker
University of Pittsburgh
Pittsburgh, PA
Topic: *Brain Plasticity in Normal Development and Pathological States*

1999 Guest Speaker
University of California
Irvine School of Medicine
Topic: *Brain Plasticity in Normal Development and Pathological States*

1999 Guest Speaker
New York University School of Medicine
New York, NY
Topic: *Brain Plasticity in Normal Development and Pathological States*

1999 Guest Speaker
Michigan Neuropsychology Society
Detroit, MI
Topic: *Understanding Clinical Issues in Childhood Pervasive Developmental Disorders*

1999 Guest Speaker
Jacobi Hospital
Bronx, NY
Topic: *Comprehensive Assessment of/at Risk Children: A Developmental Neurobehavioral Approach*

1999 Guest Speaker
Fielding Graduate Institute
Dallas, Texas
Topic: *Understanding Brain Systems and Functional Neuroanatomy*

1998 Guest Speaker
The National Association of School Psychologists
Orlando, FL
Topic: *The Neuropsychology of Reading Disorders*

1998 Guest Speaker
The Howard County Gateway School
Maryland
Topic: *Neuropsychology and Education: A Practical Integration of Two Disciplines*

1998 Guest Speaker
The Fielding Institute
Virginia
Topic: *Sub cortical Function and Memory*

1998 Guest Speaker
The Fielding Institute
NYU School of Medicine
Topic: *The Neuropsychology of Memory: A Modern Clinical Perspective*

1998 Guest Speaker
The Fielding Institute
Massachusetts, MA
Topic: *Sub cortical Function and Memory*

1998 Guest Speaker
The Fielding Institute
California
Topic: *Training Models in Neuropsychology*

1998 Guest Speaker
The California Association of School Psychologists Summer Institute
California
Topic: *Neuropsychological Assessment of Memory and Intelligence in Children*

1998 Guest Speaker
The California Association of School Psychologists Summer Institute
California
Topic: *Neuropsychological Assessment of Children Using the Luria Model: A Process Approach*

1998 Guest Speaker
The 1st Luria Memorial Conference
Moscow, Russia
Topic: *Neuropsychological Assessment of Endogenously Depressed Patients Receiving Electroconvulsive Therapy*

1998 Guest Speaker
Russian Institute of Psychiatry
Moscow, Russia
Topic: *Memory Assessment in Children and Adolescents*

1998 Guest Speaker
Russian Institute of Psychiatry
Moscow, Russia
Topic: *Neuropsychology Training Procedures for Evaluating School Aged Children*

1997 Guest Speaker
University of Maryland
College Park, MD
Topic: *Neuropathology Series: A Developmental Perspective of Schizophrenia as an Organic Process*

1997 Guest Speaker
The Fielding Institute
Topic: *Schizophrenia: A Developmental Psychopathological Perspective*

1997 Guest Speaker
The Fielding Institute
Florida
Topic*: Functional Neuroanatomy Series*

1997 Guest Speaker
The Fielding Institute Postgraduate
Maryland
Topic: *Functional Neuroanatomy Series*

1997 Guest Speaker
New York University Bellevue Medical Center
New York, NY
Topic: *The Halstead-Reitan Neuropsychological Battery for Children and Adolescents*

1997 Guest Speaker
Howard County General Hospital
Maryland
Topic: *Psychopathology and Brain Dysfunction from a Developmental Neurobehavioral Perspective*

1996 Guest Speaker
The Union Institute
Ohio
Topic: *Neurochemistry/Neuropharmacology for Clinical Psychologists: An Introductory Lecture*

1996 Guest Speaker
The Fielding Institute Postgraduate Neuropsychology Certificate Program
Topic: *Functional Neuroanatomy*

1996 Guest Speaker
The Fielding Institute Postgraduate Neuropsychology Training Program
Topic: *Heavy Metal Toxicity in Young Children: Theoretical and Clinical Considerations for the Neurologist*

1996 Guest Speaker
The Fielding Institute Neuropsychology Certificate Training Program
Topic: *Functional Neuroanatomy*

1996 Guest Speaker
The Cape Cod Union Institute for Neuropsychology 5 day Seminar
Cape Cod, MA
Topic: *Neuropsychological Assessment and Intervention throughout the Age Spectrum: A Process Approach*

1995 Guest Speaker
The Fielding Institute Postgraduate Neuropsychology Training Program
Topic: *Toxic Lead Levels and Brain Functioning* (6 case studies)

1995 Guest Speaker
The Fielding Institute Neuropsychology Certificate Training Program
Topic: *Memory Functions/Disorders in Children and Adolescents*

1994 Guest Speaker
Massachusetts Institute of Technology
Cambridge, MA
Topic: *Mathematical Models of Brain Mechanisms; an Understanding of Human Neurocognitive Properties*

1994 Guest Speaker
Maryland School Psychologists Association
Topic: *Toxic Encephalopathy's: A Clinical Diagnostic Approach for School Psychologists*

1994 Guest Speaker
Johns Hopkins School of Medicine
Baltimore, MD
Topic: *Essentials of Neuropsychology in Medical Practice: A Vital Tool for Clinicians*

1994 Guest Speaker
Columbia University School of Education
New York, NY
Topic: *Teaching the Brain: A Neurobehavioral Approach*

1993 Guest Speaker
The Fielding Institute
Washington, DC
Topic: *Toxic Encephalopathy's and their Impact on Cognition and Emotion*

1993 Guest Speaker
Neurobehavioral Training Associates, Loyola College
Columbia, MD
Topic: *Neuroanatomical Basis of Behavior* (Part II)

1993 Guest Speaker
Neurobehavioral Training Associates, Loyola College
Columbia, MD
Topic: *Neuroanatomical Basis of Behavior* (Part I)

1993 Guest Speaker
Maryland Psychological Association, Spring Conference
Columbia, MD
Topic: *The Neuropsychology of Violence*

1993 Guest Speaker
Maryland Psychological Association, Winter Conference
Columbia, MD
Topic: *The Intake Interview and Treatment Planning for Private Practice Psychologists*

1993 Guest Speaker
Howard County Public School Psychologists
Howard County, MD
Topic: *Neuropsychological Assessment of TBI in Children and Adolescents Following Heavy Metal Ingestion: A Developmental Approach*

1993 Guest Speaker
Neurobehavioral Training Associates, Loyola College
Columbia, MD
Topic: *Assessment of Memory in Children and Adolescents-A Neurobehavioral Approach*

1992 Guest Speaker
The Fielding Institute
Washington, DC cluster
Topic: *Neuropsychological Sequelae*

1992 Guest Speaker
Montgomery County Public School Psychologists
Montgomery County, MD
Topic: *Neuropsychological Assessment of TBI in Children and Adolescents*

1992 Guest Speaker
Harford County Public School Psychologists
Harford County, MD
Topic: *Neuropsychological Assessment of TBI in Children and Adolescents*

1992 Guest Speaker
Charles County Public School Psychologists
Charles County, MD
Topic: *Neuropsychological Assessment of TBI in Children and Adolescents*

1992 Guest Speaker
Anne Arundel Public School Psychologists
Anne Arundel County, MD
Topic*: Neuropsychological Assessment of TBI in Children and Adolescents*

1991 Guest Speaker
Maryland State Department of Education
Topic: *Neuropsychological Evaluation of Toxic Substances in School Aged Children*

1988 Guest Speaker
City Hospital Center at Elmhurst
Elmhurst, NY
Topic: *Neuropsychological Assessment of Schizophrenic Adolescents- Utilizing PETT Technology*

1986 Guest Speaker
City Hospital Center at Elmhurst
Elmhurst, NY
Topic: *Cognitive and Emotional Sequelae of Closed Head Injuries in Children* (6 case studies)

1984 Guest Speaker
New York State Psychological Association
Albany, New York
Topic: *Neuropsychological Examination*

1984 Guest Speaker
New York State Association for School Psychologists
Albany, New York
Topic: *Neuropsychological Assessment of TBI/Learning Disabled American Foundation for the Blind/Visually Handicapped*, Clinical Neuropsychology Consultant (Region 9)

1982 Lecturer
Psychological Internship Assessment Seminar Series
New Bellevue Hospital- Bellevue
Topic: *Luria-Nebraska Battery vs. Halstead-Reitan Battery*

1982 Training Program Director
Phoenix, Arizona
Topic: *Assessing Both Neurologically Impaired and Visually Handicapped Clients*

1981-82 Co-lecturer
New York State Office of Vocational Rehabilitation
Topics: *Differential Diagnosis in Neuropsychologically Impaired Clients*
The Neuropsychological Examination
Rationale for Measuring Cognitive Deficits
Assessment of Closed Head Trauma Patients
Assessment of Seizure Disorders
Psychological Profiles of OBS Patients
Critical Issues in Psychological Assessments: Medication, Drug Abuse, Alcoholism
Aphasia, Apraxia, Agnosia
Assessment of Learning Disabled Adults
Rehabilitation Techniques for LD/NI Patients

1980 Program Director/Lecturer
US Department of Health and Human Services
Topic: Assessment of LD/NI clients

Awards and Honors

2006 Induction into Leading Health Professionals of the World

2006 EP Maxwell J. Schleifer Distinguished Service Award Recipient

2002 American Board of Pediatric Neuropsychology, 2nd World Conference on Pediatric Neuropsychology, National Clinical Practitioner's Award Recipient

2000 National Association of School Psychologists, National Neuropsychology Publication of the Year, Neuropsychology of Reading Disorders
Neuropsychology Interest Group Award Recipient

1996 Maryland Psychologists Associates Outstanding Practice in School Psychology Award Recipient

Major Committee Assignments

International

1995-03 World Health Organization Neuroscience sub-committee

National and Regional

1992-94 Maryland School Psychologists Association, Public Relations/Public Interest Committee, Chairperson

1992 Maryland Psychological Association Education Committee

Memberships, Offices, and Committee Assignments in Professional Societies

1995-03	World Health Organization, Neuroscience Subcommittee
1995-	National Association of School Psychologists Neuropsychology Interest Group
1993-97	Maryland School Psychologists Association, Maryland Psychological Association, Joint Task Force on Assessment of Traumatic Brain Injury in Children
1993-98	Maryland School Psychologists Association, Maryland State Department of Education, Neurobehavioral Assessment Task Force, Chairperson
1991-	National Academy of Neuropsychologists, member
1991-98	Maryland School Psychologist Association, member
1991-97	Maryland Psychological Association, member
1990-96	National Head Injury Foundation
1983-	American Psychological Association, member
1982-90	American Association for the Advancement of Science, member
1979-	International Neuropsychological Society, member

Editorial Positions

2009	Reviewer, Nonlinear Biomedical Physics
1995-98	Reviewer, Journal of Clinical Neuropsychology

Principal Clinical and Hospital Service Responsibilities

2003-	Neuropsychology Consultant, Matheny School & Hospital
2001-	School Psychologist/Neuropsychologist, Lord Stirling School
1994-01	School Psychologist, Howard County Public Schools Neuropsychology Consultant
1993	Psychologist Intern, Anne Arundel County Schools
1992-95	School Psychologist, Anne Arundel County Schools
1991-01	Neuropsychology Consultant Maryland State Department of Education, Correctional Education/Forensic Services, Department of Prisons
1981	Psychology Intern, New York University-Bellevue
1980	Psychology Extern, Bellevue Hospital Center

Major Administrative Responsibilities

1995-01	Program Director Fielding Graduate Institute, Postgraduate Neuropsychology Training Program

Mentoring of Graduate Students, Residents, Post-Doctoral Fellows

2003-	Clinical Case Supervision Matheny School and Hospital Graduate and Medical Students/Interns/Residents School Child Study Team Interdisciplinary Staff
2003-	Clinical Case Supervision Lord Stirling School, New Jersey School Psychologists/Social workers/ Counselors

2001- Neuropsychological Case Supervision
Texas Woman's University
Graduate/Postgraduate Trainee

1995-01 Neuropsychological Case Supervision
The Fielding Graduate Institute
Graduate and Postgraduate Trainees

1993-95 Case Supervision Diagnostic Testing
Licensed/Certified Psychologists

1991-93 Neuropsychology Assessment
State of Maryland
Prison Psychologists

1982-88 Mount Sinai Services, City Hospital Center at Elmhurst
Neuropsychological Diagnostic Assessment and Interventions
New York, New York
Graduate/Medical/Post-graduate Students
Staff Psychologists/Psychology Interns
Neurology and Psychiatry Residents/Fellows
Nurses

Teaching Awards Received

2000 Neuropsychology of Reading Disorders
Best Publication of the Year
National Association of School Psychologists

Major Research Interests

1. Neurocognitive Disorders
2. Learning Disabilities
3. ADHD Syndromes
4. Working Memory
5. Dysexecutive Syndromes
6. Traumatic Brain Injury/Neural Plasticity and Recovery
7. Brain Mapping (QEEG/ERP's)
8. Neuroimaging
9. Neuropsychology and Stereotactic Neurosurgery
10. Autism Spectrum/Pervasive Developmental Disorders
11. Cerebral Palsy Syndromes/Low Incidence Genetic Brain Disorders
12. Brain Based Educational Models for Schools

Research Grants

Department of Defense. 2010-2012. International Brain Research Foundation Disorders of Consciousness Advanced Care Protocol. Principal Investigator. $6,400,000.

New York University School of Medicine. TBI Research at NYU School of Medicine, Grant to support Dr. Max Hilz, Professor of Neurology, Medicine and Psychiatry. $165,000.

New York University School of Medicine. TBI Research at NYU School of Medicine, Grant to support Dr. Max Hilz. Professor of Neurology, Medicine and Psychiatry. $100,000.

Harvard Medical School. Berenson-Allen Center for Noninvasive Brain Stimulation, Beth Israel Deaconess Medical Center. Grant to support Severe TBI, Severe Disorders of Consciousness protocols, and TMS intervention in mild TBI cases. $165,000.

Patents
Pending

Boards and Community Organizations
1999- Member-At Large American Board of Pediatric Neuropsychology
2000- President, American Board of School Neuropsychology

Military Service
1988-91 U.S. Army, Military Intelligence,
Counterespionage/Counterterrorism
Decorated with 2 commendation medals
Valedictorian, US Army Intelligence Center and School
Fort Huachuca, Arizona
Honorable Discharge

Other: **NYU Postgraduate Medical School Certificates:**
Structured Clinical Interviewing
Psychiatric Emergencies
Training Program in Human Sexuality

Bibliography

Moser, R. S., Thompson, J., Eller, M., DeFina, P., Kuflik, A. (In Press). Challenges in consent and assent in severe disorders of consciousness patients. Brain Injury. Supplement.

Pollito, M., Thompson, J., & DeFina, P. (in press). A review of the International Brain Research Foundation (IBRF) Novel Approach to Mild Traumatic Brain Injury presented at the International Conference on Behavioral Health and Traumatic Brain Injury. Journal of the American Academy of Nurse Practitioners.

Hilz, M., Marthol, H., Anders, S., Aurnhammer, F., Schroeder, T., Roβmeiβl, A., Lang, C., Flanagan, S., De Fina, P., & Schwab, S. (in press). Orthostatic challenge unveils subtle cardiac autonomic dysfunction after mild traumatic brain injury. Circulation.

De Fina, P., Fellus, J., Thompson, J., Eller, M., Moser, R., Frisina, P., Shatz, P., DeLuca, J., Zigarelli-McNish, M., & Prestigiacomo, C. J. (in press). Improving outcomes of severe disorders of consciousness. Restorative Neurology and Neuroscience.

DeFina, P., Fellus, F., Polito, M.Z., Thompson, J. W. G., Moser, R. S., & DeLuca, J. (2009). The new neuroscience frontier: Promoting neuroplasticity and brain repair in traumatic brain injury. The Clinical Neuropsychologist. 23, 8; p1391-9.

Thatcher, R., North, D., Neubrander, J., Biver, C., Cutler, S., & DeFina, P. (2009). Autism and EEG phase reset: Deficient GABA mediated inhibition in thalamo-cortical circuits. Developmental Neuropsychology. 34, 6; p780-800.

De Fina, P., Bernad, P., & Columbo, J. (2008). The clinical neurosciences (CNS) program at Bellevue Hospital Center, New York, NY. In P. Bernad (3rd Ed), Closed-Head Injury: A Clinical Source Book (pp. 39-51). Lexis-Nexis.

De Fina, P., Bernad, P., & Columbo, J. (2008). Autonomic nervous system monitoring in closed-head injury patients. In P. Bernad (3rd Ed), Closed-Head Injury: A Clinical Source Book (pp. 24-34). Lexis-Nexis.

De Fina, P., Goldberg, F., & Bernad, P. (2008). Neuropsychological Assessment of Closed-Head Injury. In P. Bernad (3rd Ed), Closed-Head Injury: A Clinical Source Book (pp. 15-6). Lexis-Nexis.

De Fina, P., & Feifer, S. (2005). The Neuropsychology of Mathematics and Visual-Spatial Disorders. *School Neuropsych* Press: Maryland.

Podell, K., De Fina, P., Barrett, P., McCullen, A., & Goldberg, E. (2003). *Handbook of Psychology: Assessment Psychology*. Vol. 1. Wiley & Sons.

De Fina, P., & Feifer, S. (2002). The Neuropsychology of Written Language Disorders: Diagnosis and Intervention. *School Neuropsych* Press.

Moskovich, L., Bougakov, D., DeFina, P., & Goldberg, E. (2002). A. R. Luria: Pursuing neuropsychology in a swiftly changing society. In A. Stringer, E. Cooley, & A-L. Christensen (Eds.), *Pathways to prominence.*

De Fina, P., & Feifer, S. (2000). *The Neuropsychology of Reading Disorders: Diagnosis and Intervention Workbook*. School Neuropsych Press.

De Fina, P. (1999). *Understanding Trends in Neuropsychology and Education*. California Association of School Psychology Journal.

De Fina, P. (1998). *Understanding Reading and Disorders of Reading: A Brain-Based Educational Approach*. Maryland Association of School Psychology Journal.

Farkas, T., Wolf, S., Jaeger, J., Brodie, J., Christman, D., Fowler, V., De Fina, P., & Cancro, R. (1984). Regional Brain Glucose Metabolism in Chronic Schizophrenia. *Arch of General Psychiatry*. 41; (3), pp.293-301.

Tartaro, T., Osbourne, D., Randt, C., & De Fina, P. (1980). MAO Inhibition and Memory. *New England Journal of Medicine*. 302; (12).

Randt, C., Brown, E., Osbourne, D., Tartaro, T., Jonas, S., Gianutsos, R., De Fina, P., & Curtis, S. (1980). A Memory Test for Longitudinal Measurement of Mild to Moderate Deficits. *Clinical Neuropsychology.* 2; Fourth Quarter.

CURRICULUM VITAE
D. Alan Shewmon, MD

PERSONAL

Address:	Neurology Department, Room 2C136 Olive View-UCLA Medical Center 14445 Olive View Drive Sylmar, CA 91342-1495
Telephone:	(818) 364-3104
Fax:	(818) 364-3286
Email:	AShewmon@mednet.ucla.edu
Birth:	August 16, 1949, Pulaski, VA

EDUCATION

1966-71	BA *cum laude*: Harvard College, Cambridge, MA (music major)
1968-69	Private piano study, Rome, Italy
1971-75	MD: New York University Medical School, New York, NY

PROFESSIONAL TRAINING

1975-77	Pediatric residency (PL 1 & 2)	Children's Hospital, San Francisco, CA
1977-80	Neurology residency (PG 3 - 5)	Loyola University Medical Center, Maywood, IL
1979	Neonatal EEG training (3 months)	Barry Tharp, MD, Stanford University, Stanford, CA
1980-81	UAF Fellowship in Interdisciplinary Training in Mental Retardation and Developmental Disabilities	UCLA Neuropsychiatric Institute, Los Angeles, CA (supported by Grant #MCT 927-10 and 11, NIH Division of Maternal and Child Health Services)

BOARD CERTIFICATION

1981	American Board of Qualification in EEG (now American Board of Clinical Neurophysiology)
1982	American Board of Pediatrics
1983	American Board of Psychiatry and Neurology (with special competence in child neurology)

LICENSURE

1979-	California	G-039094
1977-80	Illinois	36-54948

FACULTY APPOINTMENT

2011	Clinical Professor Emeritus	UCLA Dept. of Pediatrics, Div. of Neurology

1995-2011	Clinical Professor	UCLA Dept. of Pediatrics, Div. of Neurology
1989-95	Associate Clinical Professor	UCLA Dept. of Pediatrics, Div. of Neurology
1981-89	Assistant Professor	UCLA Dept. of Pediatrics, Div. of Neurology

HOSPITAL APPOINTMENTS

1983-93, 2000-	Olive View-UCLA Medical Center
1981-2001, 03-04	UCLA Hospital and Clinics
1980-2001	UCLA Neuropsychiatric Institute and Hospital
1984-93	Kern Medical Center
1981-83	Martin Luther King Hospital

ADMINISTRATIVE POSITIONS

2003-	Chief, Neurology Department, Olive View-UCLA Medical Center
2003-	Vice Chair, Neurology Department, UCLA
2002-03	Acting Chief, Neurology Department, Olive View-UCLA Medical Center
2000-	Chief of Pediatric Neurology, Olive View-UCLA Medical Center
2000-	Director, Clinical Neurophysiology Laboratory, Olive View-UCLA Medical Center
1983-99	Director, Pediatric Clinical Neurophysiology Laboratory, UCLA

PROFESSIONAL SOCIETY MEMBERSHIP

1979-	American Academy of Neurology
1986-99	American Association for the Advancement of Science
1981-	American Clinical Neurophysiology Society (Fellow, 1986-) (formerly American EEG Society)
1981-	American Epilepsy Society
1987-90	American Medical Association
1984-90	American Society for Neurologic Investigation
1990-	Association of American Physicians and Surgeons
2000-2012	Association of California Neurologists
1996-2000	California Association of American Physicians and Surgeons
1987-90	California Medical Association
1981-	Child Neurology Society
1999-2002	International Child Neurology Association
1987-90	Los Angeles County Medical Association
1983-2012	Western Clinical Neurophysiology Society

EXTRAMURAL COMMITTEES and OFFICES

World Federation of Neurology
- 2001 Committee on Neuroethics

American Board of Clinical Neurophysiology (formerly Am. Bd. of Qualification in EEG)
- 1982-93 Associate Examiner

American Clinical Neurophysiology Society (formerly American EEG Society)
- 1993 Liaison with Western EEG Society
- 1992-95 Medical Instrumentation Committee
- 1989-92 Rules Committee (Chairman)
- 1989-92 EEG Laboratory Accreditation Board
- 1987-89 Program Committee (Chairman, 1988-89)
- 1984-87 Membership Committee

Child Neurology Society
- 1984-86, 90-96 Ethics Committee
- 1992-93 Research Committee

Western Clinical Neurophysiology Society (formerly Western EEG Society)
- 1993-94 President
- 1992-93 President-elect and Program Chairman
- 1991-92 Secretary-Treasurer
- 1990-91 Edward E. Shev Award Chairman
- 1986-89 Board of Directors

Los Angeles County Medical Association
- 1988-89 Committee on Biomedical Ethics

California Medical Association
- 1989 Scientific Advisory Panel on Neurology, section Asst. Secretary and "Health Tips" editor

UNIVERSITY / HOSPITAL SERVICE

- 2011- Peer Review Oversight Committee, Olive View-UCLA Medical Center
- 2010- Research Committee, Olive View-UCLA Education & Research Institute
- 2007- Appraisal and Promotions Committee, UCLA Neurology Department
- 2002- Medical Executive Committee, Olive View-UCLA Medical Center
- 2002- Bioethics Committee (Chair, 2009-present), Olive View-UCLA Medical Center
- 2000- Institutional Review Board, Olive View-UCLA Medical Center
- 2001 Subcommittee on anti-epileptic and anti-migraine drugs, LA County Dept. of Health Services
- 2000-06 Graduate Medical Education Committee, Olive View-UCLA Medical Center
- 2000-02 Pharmacy & Therapeutics Committee, Olive View-UCLA Medical Center
- 1994-95 Rehabilitation Services Quality Assessment Subcommittee
- 1992-97 Medical Center Ethics Committee
- 1986-90 NPI Utilization Review Committee
- 1985-90 Infant Care Review Committee (Chair, 1987-90)

OTHER SERVICE AND HONORS

- 2013 Guest Professor, Department of Philosophy, SUNY at Buffalo, August 18-20
- 2012 Consultant for the German Ethics Council, Berlin, Germany, March 21-22
- 2007 Consultant for the President's Council on Bioethics, Washington, DC, November 9
- 2006 Consultant for the Pontifical Academy of Sciences, Working Group on The Signs of Death. Vatican City, September 11-12

2003-04	Organizing & Scientific Committees, 4th International Symposium on Coma and Death, Havana, March 9-12, 2004
2002	Consultant for "Public Attitudes Towards Death and Organ Procurement," sponsored by a grant to Drs. Stuart Youngner and Laura Siminoff
1997-00	Organizing & Scientific Committees, 3rd International Symposium on Coma and Death, Havana, Feb. 22-25, 2000
1997-98	Task Force on Brain Death - Pontifical Academy for Life
1996-2011	Pontifical Academy for Life, corresponding member
1995-96	Organizing Committee, Workshop on Myoclonus and Epilepsy in Childhood. Abbaye de Royaumont, Paris, France, May 21-23,1996
1994-96	Speakers Bureau, National Legal Center for the Medically Dependent & Disabled
1994	Organizing Committee, Satellite Symposium sponsored by the UCLA Pediatric Epilepsy Program: Epilepsy Surgery in Children, International Child Neurology Association, Los Angeles, CA, September 30
1994	Organizing Committee, Workshop sponsored by the UCLA Pediatric Epilepsy Program: Managing Seizures in Children - Designer Drugs or the Cutting Edge? Palm Desert, CA, March 17-18
1992-96	Medical Advisor, Brainstorms Monitoring Corp.
1992	Consultant for the Multi-Society Task Force on Persistent Vegetative State [cf. "Medical aspects of the persistent vegetative state (pts. 1 & 2). N Engl J Med 330(21):1499-1508, 1994 and 330(22):1572-1579, 1994.]
1990	Reviewer for in-house research grant application, Children's Hospital of Los Angeles
1990	Consultant for the International League Against Epilepsy, Commission on Classification and Terminology and Commission on Pediatric Epileptology, regarding the classification of neonatal seizures
1990	Editorial advisory board of *The Linacre Quarterly*
1989	Consultant for the Pontifical Academy of Sciences, Working Group on the Determination of Brain Death and its Relationship to Human Death. Vatican City, December 10-14
1989	Consultant for the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology, concerning EEG brain mapping [cf. "Assessment: EEG brain mapping." Neurology 39(8):1100-1101, 39(11):1437, 1989.]
1989-91	Editorial board of *Bioethics and Public Policy*
1989	Consultant for the national Medical Task Force on Anencephaly [cf. "The infant with anencephaly." *N Engl J Med* 322(10):669-674, 1990.]
1989	Organizing Committee, International Pediatric Epilepsy Surgery Symposium, Miami, FL, March 8-10
1988	International Pediatric Epilepsy Interest Group (invited participant), San Francisco, CA, October
1987-89	Board of Advisors, The Human Dignity Institute, Sacramento
1987	Ethics consultant for California Nurses Association Executive Board, Burbank, CA, December 12
1987	Chairman for Bay Area Conference on the Ethics of Human Reproduction, San Rafael, July 27-31
1987	Expert testifier at California Senate Judiciary Committee meeting concerning Senate Bill 1595 (administration of fluids and nutrition), Sacramento, May 26
1986	Expert testifier at state hearing concerning Senate Bill 2018 (brain death and anencephaly), San Francisco, October 29

1986	Consultant for CMA Committee on Evolving Trends in Society Affecting Life, concerning physician-assisted suicide, San Francisco, May 28
1986	Chairman for Conferences on the Family; San Francisco, April 11-12; Los Angeles, April 13
1985	Chairman for symposium: Transmitting our Heritage of Values. San Francisco, May 18
1983-87	Preceptor for Pre-Medical Enrichment Program, summers
1983-88	Scientific Product Advisor for Biomedical Monitoring Systems, Inc.
1983	NIH site visitor

INVITED REVIEWER

Annals of Neurology	1990
Bioethics	2010
BMC Medicine	2010
Brain Dysfunction	1991, 93
Computer (book reviewer)	1982, 83
Critical Care Medicine	2002-04
F.A. Davis Publishing Co.	1988
Developmental Medicine and Child Neurology	1998, 99
Electroencephalography and Clinical Neurophysiology	1984, 90-92, 94-97, 99
Encyclopedia of Bioethics	1993
Epilepsia	1987, 90-92, 94-95, 97, 2001-03
Epilepsia (book reviewer)	1985
Hastings Center Report	2009-10
Intensive Care Medicine	2011
Issues in Law & Medicine	1991-92, 94-95, 97, 2000, 02, 06
JAMA	1988
Journal of Child Neurology	1991, 2011
Journal of Clinical Neurophysiology	1989, 93-94, 98, 2002
Journal of Medicine and Philosophy	2002, 03, 06
Journal of Medical Ethics	2002, 03, 06, 10
Lancet	1999
Linacre Quarterly	1989, 92
March of Dimes, Clinical Research Grants program	1987
Neurology	1991, 93-99, 2000
Neuropsychological Rehabilitation	2004
Obstetrics and Gynecology	1995, 97
Pediatrics	1990
Pediatrics International	2002, 03

GRANTS AND OTHER SUPPORT

1/1/04-12/31/04	Advanced Bionics Corp. (investigator-initiated grant): "Pilot Study of the Feasibility, Safety and Efficacy of Transcutaneous Electrical Nerve Stimulation (TENS) of the Trigeminal Nerve for the Treatment of Intractable Epilepsy. A Randomized Cross-Over Trial of Infraorbital, Supraorbital, and Control (Sham) Stimulation." Co-PI with Christopher M. DeGiorgio, MD	$50,000
9/1/01-12/31/03	Advanced Bionics Corp. (investigator-initiated grant): "Pilot Study of the Feasibility, Safety and Efficacy of Transcutaneous Electrical Nerve Stimulation (TENS) of the Trigeminal Nerve for the Treatment of Intractable Epilepsy." Co-PI with Christopher M. DeGiorgio, MD	$48,849
7/1/99-6/30/00	Higher Education Initiatives Foundation: for Mind-Brain Initiative	$75,000
7/1/99-6/30/00	Kennedy Smith Foundation: for Mind-Brain Initiative	$50,000
7/1/97-6/30/99	International Academy for Philosophy in the Principality of Liechtenstein: Guest Research Professorship	$231,776
9/1/92-8/31/97	NINCDS Program Project 1P01 NS28383: "Pediatric Epilepsy Surgery Research Program." Co-Principal Investigator with W. Donald Shields, MD	$3,303,973
	Project #1: "Outcome of surgery for infantile spasms." Co-PI	$545,065
	Core C: Clinical Core. Principal Investigator	$126,850
7/1/88-6/30/91	NINCDS, RO1 grant NS26035: "Transient dysfunction induced by focal interictal spikes." Principal Investigator	$323,249
7/1/86-6/30/87	UCLA Academic Senate Research Award #4204: sponsor for David Huntley, MD, "Fibrin split products in the cerebrospinal fluid of neonates with intraventricular hemorrhage and progressive hydrocephalus."	$809
11/1/82-12/31/84	Hoffmann-La Roche, Inc., Contract #40-820-B-57378: Nitrazepam Collaborative Study (Nitrazepam vs. ACTH in the treatment of infantile spasms).	$28,000
11/84	Hoffmann-La Roche, Inc., Unrestricted gift for research in pediatric neurology	$5,496
10/26/84	Hoffmann-La Roche, Inc., Contract #40-820-B-57378 renewal	$2,504
1/83	Hoffmann-La Roche, Inc., Unrestricted gift for research in pediatric neurology	$20,000
7/1/83-6/30/84	UCLA Academic Senate Research Award #3826: for neonatal seizure monitoring equipment improvement	$3,000
10/19/82-6/30/83	UCLA Academic Senate Research Award #3826: "Cognitive Effect of Interictal Epileptiform Discharges."	$1,200
1/18/82-6/11/82	UCLA Departmental Grant Program (Application #84): "Cognitive Effect of Interictal Epileptiform Discharges."	$808
7/1/80-6/30/83	NINCDS Contract #NO1-NS-0-2332: "Comprehensive Epilepsy Program" (A.V. Delgado-Escueta, MD, Principal Investigator). Project: "Neonatal EEG/video telemetry." Co-Principal Investigator with W.D. Shields, MD	$220,979

TEACHING

Director, Pediatric Neurology resident rotation, Olive View-UCLA Medical Center

2000-01	1-month rotation for adult neurology residents, in cooperation with UCLA CHS program	supervision of out-patient clinics, in-patient consults, formal and informal teaching

Residents and Fellows

2002-	EEG elective for neurology residents	daily, variable duration, usually 2-4 weeks; variable frequency around once per year
2000-	supervise residents in Child Neurology Clinic, Olive View Medical Center	1 or 2 half-days weekly
2004-09	pre-clinic "mini-lecture" for Medicine residents	Every other month
2000-09	EEG teaching conference for neurology residents	weekly
1981-2000	teaching rounds for pediatric and neurology residents	daily, 1-4 months per year
1981-2000	EEG training of neurology residents and EEG fellows	numerous informal sessions and 1-2 formal conferences weekly
1981-97	supervise residents in Child Neurology Clinic, UCLA	1-4 afternoons per month
1981-97	pediatric admission resident's conference	daily, 2-4 months per year
1981-96	teaching rounds for pediatric residents	3-5 times per week, 2-4 months per year (1 month per year prior to 1989)
1983-91	supervise residents in Child Neurology Clinic, Olive View Medical Center	1 half-day every 6 weeks
1984-90	clinic patient review conference for pediatric neurology residents	weekly
1984-86	Pediatric Neurology "Zebra Derby," for pediatric and neurology residents	once per month
1983-86	pediatric neurology resident journal club	once per month
1981-83	supervise residents in Child Neurology Clinic, Martin Luther King Hospital	1-2 half-days per month

Medical Students

2000-	supervise students in Child Neurology Clinic, Olive View Medical Center	1 or 2 half-days weekly
1981-2000	Pediatric Core Lectures (PE011) for third and fourth year medical students	every few months
1981-97	Fundamentals of Clinical Medicine (neurological examination instruction)	second year medical students, 1-2 days each year
1981-91	Neurology Clerkship (NE011)	4 students, 2 weeks each year
1984-87	Medical Student preceptor program	several sessions per month

Supervisor, Pediatric EEG/Epilepsy Fellowship

7/95-6/97 John D. Kuratani, MD
Prior fellow in pediatric neurology at UCLA. EEG/epilepsy fellowship jointly with Kaiser Permanente (Sunset) the first year, full-time UCLA second year. Remained at UCLA as associate director of the pediatric telemetry unit, until moving to Seattle, where he is currently director of the EEG Laboratory at Children's Hospital.

8/91-2/93 Eija K. Gaily, MD
Visiting research scholar, sponsored by a grant from the Finnish government to study pediatric EEG/telemetry and epilepsy surgery at UCLA. She is director of the EEG-epilepsy unit at Castle Children's Hospital, Helsinki, and is first author of papers #33 and 36 and abstracts #32 and 34.

7/89-6/90 Karen Altman, MD
Following fellowship, she accepted positions in clinical EEG and neurology at White Memorial Hospital and Rancho Los Amigos rehabilitation center in Los Angeles. Since 1992 she has been in practice in Flagstaff, AZ. She is first author of invited review #4 and abstract #23.

7/87-6/89 Donald M. Olson, MD
Recipient of a $25,000 grant from the Epilepsy Foundation of America (7/88-6/89) for the study of classification of pseudoseizures in children. Recipient of the Edward Shev Award of the Western EEG Society (1/89). First author of publications #23 and 26 and abstracts #16 and 17. Subsequently he has been director of pediatric epilepsy programs at the Minnesota Comprehensive Epilepsy Program (MINCEP); at Children's Hospital, Oakland, CA; and at Stanford University Medical School, Palo Alto, CA.

Guest Professor, Internationale Akademie für Philosophie im Fürstentum Liechtenstein

Fall, 1997	The working of the brain and its relationship to mind (co-taught with Prof. Josef Seifert)	two lectures per week, alternating with Prof. Seifert
Spring, 1998	Persistent vegetative state: meeting ground for the neurobiology of consciousness, philosophy of personhood, and ethics of life-sustaining treatment	one lecture/seminar per week
Spring, 1998	Philosophical-neurological dialogues on the mind-brain relationship (co-taught with Prof. Josef Seifert)	one seminar per week
Fall, 1998	Controversies in defining and determining the moment of death	one lecture/seminar per week
Fall, 1998	Embryology and the personhood of embryo / fetus (co-taught with Prof. Josef Seifert)	one lecture every other week
Spring, 1999	The working of the brain and its relationship to mind (co-taught with Prof. Josef Seifert)	one lecture per week, alternating with Prof. Seifert
Spring, 1999	Contemporary issues in bioethics: abortion, infanticide, euthanasia	one lecture per week

INVITED PRESENTATIONS

International

1. Medical progress and the dignity of the human person. UNIV Congress, Rome, March 28, 1988.
2. Contrasts between pediatric and adult epilepsy surgery: Rationale and strategy for focal resection. International Pediatric Epilepsy Surgery Symposium. Miami, FL, March 9, 1989.
3. "Brain death": A valid theme with invalid variations, blurred by semantic ambiguity. Working Group on the Determination of Brain Death and its Relationship to Human Death. Pontifical Academy of Sciences, Vatican City, December 10-14, 1989.
4. Pediatric seizures. (videotape session) Second Cleveland Clinic International Epilepsy Symposium. Cleveland, OH, June 20, 1990.
5. Clinical and EEG characteristics of seizures. Workshop on Infantile Spasms. Abbaye de Royaumont, Paris, France, May 21-23, 1991.
6. New techniques in the evaluation and surgical management of epilepsy. International Symposium of Medical Physics, Monterrey, Mexico, November 21-23, 1991.
7. Implications of new diagnostic techniques for "brain death", "brain life" and vegetative state. International Symposium of Medical Physics, Monterrey, Mexico, November 21-23, 1991.
8. Overview of patient selection for epilepsy surgery. (with Jerome Engel, MD, PhD) Second International Conference on Surgical Treatment of the Epilepsies. Palm Desert, CA, February 20-24, 1992.
9. Early intervention. (with Solomon Moshé, MD, and others) Second International Conference on Surgical Treatment of the Epilepsies. Palm Desert, CA, February 20-24, 1992.
10. Pediatric considerations. (with Michael Duchowny, MD, and others) Second International Conference on Surgical Treatment of the Epilepsies. Palm Desert, CA, February 20-24, 1992.
11. EEG in the non-invasive presurgical evaluation. (with Felipe Quesney, MD, and Michael Risinger, MD) Second International Conference on Surgical Treatment of the Epilepsies. Palm Desert, CA, February 20-24, 1992.
12. Clinical determination of death in infants and children. International Congress on Care for the Dying Person: Socio-cultural, Medical and Pastoral Aspects. Center for Bioethics of the Università Cattolica del Sacro Cuore. Rome, March 15-18, 1992.
13. Passive euthanasia and the foregoing of extraordinary treatment: a frequently blurred critical distinction. International Symposium on Bioethics. School of Medicine, Pontifical Catholic University of Chile. Santiago, Chile. August 18-20, 1993.
14. Ethical aspects of organ transplantation: present status and future perspectives. International Symposium on Bioethics. School of Medicine, Pontifical Catholic University of Chile. Santiago, Chile. August 18-20, 1993.
15. Neuroembryology and personhood. University of Los Andes Medical School, Santiago, Chile, August 23, 1993.
16. Organ transplantation and brain death. Symposium on Christian Humanism and Bioethics. University Extension, Pontifical Catholic University of Chile. Santiago, Chile. August 23, 1993.
17. Neuroembryology and its implications concerning fetal pain, consciousness, and personhood. Conference on Human Life, sponsored by the Center for Research and Communication, Institute for Biomedical and Family Ethics. Manila, Philippines, September 22-24, 1993.
18. Treatment vs. non-treatment of disabled newborns. Conference on Human Life, sponsored by the Center for Research and Communication, Institute for Biomedical and Family Ethics. Manila, Philippines, September 22-24, 1993.

19. Epilepsy in children: When medications fail. Medical Satellite Symposium, sponsored by the Center for Research and Communication, Institute for Biomedical and Family Ethics. Manila, Philippines, September 22-24, 1993.
20. Foregoing of life-sustaining treatment in pediatrics. Medical Satellite Symposium, sponsored by the Center for Research and Communication, Institute for Biomedical and Family Ethics. Manila, Philippines, September 22-24, 1993.
21. Infantile spasms: Current perspectives on pathophysiology and treatment. Neurology Grand Rounds, Montreal Neurological Institute, Quebec, Canada, November 5, 1993.
22. Persistent vegetative state: The medical facts and the ethical analysis. Catholic Physician's Guild of Ottawa, Canada, November 6, 1993.
23. Overt and covert euthanasia in North America and the Netherlands. Catholic Physician's Guild of Toronto, Canada, November 7, 1993.
24. Preoperative evaluation and surgical treatment of childhood epilepsy. Finnish Epilepsy Society. Helsinki, Finland. September 23, 1994.
25. Ictal patterns in newborns and infants. Finnish Epilepsy Society. Helsinki, Finland. September 23, 1994.
26. Controversies in the behavioral and EEG definition of neonatal seizures. Satellite Symposium on Seizures in the First Year of Life, International Child Neurology Association, Vancouver, Canada, September 28, 1994.
27. New developments in noninvasive electrophysiology. Satellite Symposium on Epilepsy Surgery in Children (sponsored by the UCLA Pediatric Epilepsy Program), International Child Neurology Association, Los Angeles, CA, September 30, 1994.
28. Seizure outcomes following hemispherectomy. International Symposium on Pediatric Epilepsy Surgery, Bielefeld, Germany, March 23-26, 1995.
29. Follow-up on infants with surgery for catastrophic epilepsy. International Symposium on Pediatric Epilepsy Surgery, Bielefeld, Germany, March 23-26, 1995.
30. Brain death: a conceptual itinerary. Internationale Akademie für Philosophie im Fürstentum Liechtenstein. Schaan, Liechtenstein, March 28, 1995.
31. Is the patient in persistent vegetative state unconscious? Brain death and personal death. Fondazione Centro S. Raffaele del Monte Tabor, Milan, Italy, March 29, 1995.
32. Is brain death really death? Campus Biomedico, Rome, Italy, April 5, 1995.
33. Somatic integrative unity: A nonviable rationale for “brain death”. (keynote address) International Symposium on Brain Death. Havana, Cuba, February 27-March 1, 1996.
34. The AMA anencephalic policy: Can medical speculations justify utilitarian homicide? International Symposium on Brain Death. Havana, Cuba, February 27-March 1, 1996.
35. On the “V” of PVS: Is persistent vegetative state really "vegetative"? International Symposium on Brain Death. Havana, Cuba, February 27-March 1, 1996.
36. Epilepsia partialis continua. Workshop on Myoclonus and Epilepsy in Childhood. Abbaye de Royaumont, Paris, France, May 21-23, 1996.
37. Does “brain death” really entail the loss of somatic integrative unity? Third World Congress of Bioethics. San Francisco, CA, November 23, 1996.
38. Is the “vegetative state” really vegetative? Second International Meeting of the Network on Defining Death: A Cross-National Perspective. San Francisco, CA, November 25, 1996.
39. A biological reconsideration of “brain death”. Task Force on Brain Death, Pontifical Academy for Life, Rome, June 23, 1997.

40. Chronic intracranial EEG recordings are usually not necessary before multilobar resections can be performed on infants and young children with lesions on MRI. 22nd International Epilepsy Congress, Dublin, Ireland, July 2, 1997.
41. Disputed Question #1: Is it reasonable to use as a basis for diagnosing death the UK protocol for the clinical diagnosis of "brain-stem death"? Linacre Center 20th anniversary Conference on Bioethics. Queens' College, Cambridge, UK, July 28-31, 1997.
42. Discussion of brain death criteria in the USA since 1968 and their consequences for transplantation medicine. [Die Diskussion um das Hirntodkriterium in den USA seit 1968 und ihre Konsequenzen für die Transplantationsmedizin]. Theologische Fakultät, Fulda, Germany, November 18, 1997.
43. Is the vegetative state really vegetative? Distinguishing neurological facts from hypotheses. Interdisciplinary conference: Patienten im Wachkoma, Recht auf Leben und Rehabilitation, sponsored by Humboldt-Universität Berlin and Forum Medizinische Ethik der Ludwig-Maximilians-Universität München. Berlin, Germany, November 20, 1997.
44. Euthanasia. A medical-philosophical dialogue, co-presented with Prof. Josef Seifert. Internationale Akademie für Philosophie im Fürstentum Liechtenstein. Schaan, Liechtenstein, December 3, 1997.
45. Focal spike-wave induced cortical dysfunction. Workshop on Epilepsy and Movement Disorders in Children. Pisa, Italy, March 29, 1998.
46. Are brain-dead and hydranencephalic children human persons? Swiss Society for Bioethics. Zürich, Switzerland, June 10, 1998.
47. New insights into vegetative state. Behandlungszentrum, Vogtareuth, Germany, November 20, 1998.
48. The problem of brain death in children. Centre Hospitalier Universitaire Vaudois. Lausanne, Switzerland, November 27, 1998.
49. Chronic "brain death." Interdepartmental Conference. Kinderspital. Zürich, Switzerland, March 19, 1999.
50. The neuroscientific contributions of Sir John Eccles. Symposium on Sir John C. Eccles, Internationale Akademie für Philosophie im Fürstentum Liechtenstein. Gaflei, Liechtenstein, April 16, 1999.
51. Definition of death: a new perspective. Symposium sobre Aspectos Eticos y Legales de Transplante de Organos. Panamerican University School of Medicine, Mexico City, October 1-2, 1999.
52. Determining the moment of death: new evidence, new controversies. Jornadas de Bioética, Universidad de Navarra, Pamplona, Spain, October 21-23, 1999.
53. The concept and diagnosis of death: re-evaluating the empirical bases. Agora. International Academy for Philosophy in the Principality of Liechtenstein, October 25, 1999.
54. The "critical organ" for the "organism as a whole": lessons from the lowly spinal cord. (Keynote address) 3rd International Symposium on Coma and Death, Havana, Cuba, February 22-25, 2000.
55. Seeing is believing: videos of life 13 years after "brain death," and consciousness despite congenital absence of cortex. 3rd International Symposium on Coma and Death, Havana, Cuba, February 22-25, 2000.
56. Decorticate children, brain death, and death. Joint Pediatrics Departments conference, Tokyo Medical College, Tokyo, Japan, March 4, 2000.
57. Decorticate children, brain death, and death. Tokyo University, Pediatric Neurology conference, Tokyo, Japan, March 6, 2000.
58. Decorticate children, brain death, and death. 4th annual conference of Clinical Physiology, Osaka Medical College, Osaka Japan, March 10, 2000.
59. Decorticate children, brain death, and death. Shaare Zedek Medical Center, Jerusalem, Israel, March 16, 2000.
60. Definition and diagnosis of the vegetative state. Behandlungszentrum, Vogtareuth, Germany, March 24-25, 2000.

61. Ethical considerations surrounding persistent vegetative state. (panel) Behandlungszentrum, Vogtareuth, Germany, March 24-25, 2000.
62. Decorticate children, brain death, and death. Castle Children's Hospital, Helsinki, Finland, March 28, 2000.
63. The brain and human death. International human rights conference, "Who Owns the Body?" Berkeley, CA, September 20-23, 2000.
64. Evolving views on brain death: re-evaluation of the medical evidence. Kurume University Medical School, Kurume, Japan, September 10, 2001.
65. Evolving views on brain death: re-evaluation of the medical evidence. Hyogo Medical College, Osaka, Japan, September 11, 2001.
66. Evolving views on brain death: re-evaluation of the medical evidence. Tokyo Women's Medical College, Tokyo, Japan, September 12, 2001.
67. Does an organ define a human being? A reappraisal of the medical evidence surrounding "brain death." Interdisciplinary Symposium on Human Life and Human Dignity, Bochum University, Bochum, Germany, November 2-3, 2001.
68. Ethical issues surrounding persistent vegetative state. Therapy Center, Burgau, Germany, November 8-10, 2001.
69. The ABC of PVS: Problems of definition. Fourth International Symposium on Coma and Death, Havana, Cuba, March 9-12, 2004. (participation cancelled due to last-minute travel restrictions)
70. The semiotics of death and its medical implications. Fourth International Symposium on Coma and Death, Havana, Cuba, March 9-12, 2004. (participation cancelled due to last-minute travel restrictions)
71. Results of neurophysiologic research in Vegetative State. International Congress on Life-Sustaining Treatments and Vegetative State: Scientific Advances and Ethical Dilemmas. Rome, Italy, March 17-20, 2004.
72. Brain death: a legal fiction whose time has passed. Presentation to members of the Japanese Parliament. Tokyo, Japan, May 17, 2005.
73. Mental disconnect: 'Physiological decapitation' as a heuristic for understanding 'brain death.' Working Group on "The Signs of Death." Pontifical Academy of Sciences, Vatican City, September 11-12, 2006.
74. Autopsy findings in the record case of survival in chronic brain death. Pontificia Academia Pro Vita, Vatican City, February 27, 2008.
75. Is a brain-dead body an organism? German Ethics Council public session. Berlin, Germany, March 21, 2012.
76. Proposed framework for a philosophy of integration. Conference "The Importance of Being Dead." Bielefeld, Germany, September 12-14, 2013.

National

1. Neonatal encephalography. Dinner workshop co-presented with Barry R. Tharp, MD, American EEG Society, Salt Lake City, UT, September 14, 1984.
2. Maturation of EEG patterns from term to one year of life. Annual course #203, "Clinical Electroencephalography," American Academy of Neurology, Dallas, TX, April 28, 1985.
3. Medical aspects of euthanasia. National Conference of Catholic Bishops, Phoenix, AZ, September 16, 1987.
4. Neonatal EEG. Dinner workshop co-presented with Barry R. Tharp, MD, American EEG Society, San Diego, CA, October 4, 1988.
5. Workshop on the "Humane and Dignified Death Act." Facing the 21st Century. Conference co-sponsored by the National and California Perinatal Associations, San Diego, CA, October 9, 1988.

6. Tissue and organ “donation” by preborn and anencephalic infants – medical aspects. Bishop's Workshop on Critical Issues in Contemporary Health Care, Dallas, TX, February 2, 1989.
7. The neurological status of infants: PVS, coma, and brain death. In “Current Controversies in the Right to Live, the Right to Die; Legal, Medical, and Ethical Issues.” Conference sponsored by the National Legal Center for the Medically Dependent & Disabled. Washington, DC, April 14, 1989.
8. Theoretical considerations in the design and interpretation of prognostic studies. (Symposium on Electrodiagnosis in Neurologic Prognosis). American EEG Society, New Orleans, LA, September 23, 1989.
9. Long-range prognosis for neurological function. Bioethics symposium. American Academy of Pediatrics, San Diego, CA, March 18, 1991.
10. Progress in the surgical management of catastrophic childhood epilepsy. Epilepsy Grand Rounds, Cleveland Clinic Foundation, Cleveland, OH, January 29, 1992.
11. Ethical dilemmas in neurology. (Course #130) American Academy of Neurology, San Diego, CA, May 3, 1992.
12. Anencephaly and related disorders: Criteria for evaluation. In “The New Right to Die: Self-Determination or Social Imperative?” Conference sponsored by the National Legal Center for the Medically Dependent & Disabled. New Orleans, LA, April 16, 1993.
13. What is appropriate treatment for an anencephalic newborn? Plenary session, American Academy of Pediatrics, Philadelphia, PA, April 12, 1995.
14. The anencephalic: Organ transplantation and respect for life. Keynote speaker, Catholic Physicians’ Guild of Chicago. Chicago, IL, January 27, 1996.
15. The anencephalic: Organ transplantation and respect for life. Neonatology/obstetrics joint grand rounds. Columbus Hospital. Chicago, IL, January 26, 1996.
16. The Hippocratic Oath revisited. New England Theological Forum, Boston, MA. April 11, 1996.
17. Definitions of death, the persistent vegetative state and anencephaly. Bishop's Workshop on Critical Issues in Contemporary Health Care, Dallas, TX, February 5, 1997.
18. What is death? A critical re-evaluation of the basis for neurological formulation. Franciscan University of Steubenville, OH, March 2, 1999.
19. Coma in children. American Clinical Neurophysiology Society annual meeting, Symposium on Coma. St. Louis, MO, October 31, 1999.
20. Brain death: a critical reappraisal. Binder Lecture, Washington University, St. Louis, MO, May 9, 2002.
21. Brain death: a critical reappraisal. Franciscan University of Steubenville, OH, October 9, 2002.
22. Comatose, vegetative and minimally conscious states. Judicial Seminar on Emerging Issues in Neuroscience, Stanford University, December 8, 2006.
23. Response to the Council's draft of a white paper, "Controversies in the Determination of Death." President’s Council on Bioethics, Washington, DC, November 9, 2007. (transcript at http://bioethics.georgetown.edu/pcbe/transcripts/nov07/session5.html)
24. Is a brain-dead body an organism? Westchester Institute Scholars Forum, Washington, DC, April 10, 2008.
25. Controversies surrounding brain death. (Keynote lecture.) Conference on Ethics of Organ Transplantation. University of St. Thomas, Houston, TX, March 26-29, 2009.
26. On organisms as a whole and bisected organisms. (Panel presentation and discussion on controversies surrounding brain death.) American Philosophical Association annual meeting, Vancouver, BC, April 10, 2009.
27. The President’s Council White Paper and the Problems with It. 27th Annual Messer Lecture, 19th Annual Medical Ethics Update Conference, University of Pittsburgh School of Medicine, Center for Bioethics and Health Law. Pittsburgh, PA, April 16, 2010.

28. When is a person really dead? Break-out session, 19th Annual Medical Ethics Update Conference, University of Pittsburgh School of Medicine, Center for Bioethics and Health Law. Pittsburgh, PA, April 16, 2010.
29. Determination of death: Current controversies and a synthetic proposal. Catholic Medical Association annual meeting, Seattle, WA, October 29, 2010.
30. Dinner seminar on "You only die once" (peer review article #55), Christian Philosophy Reading Group, Department of Philosophy, SUNY at Buffalo, August 18, 2013.
31. Dinner seminar on "The brain and somatic integration" (peer review article #48) and "Constructing the death elephant" (peer review article #54), Plato's Academy, North Tonawanda Campus, Department of Philosophy, SUNY at Buffalo, August 19, 2013.
32. Vegetative State: Clinical and Ethical Update. Monthly Clinical and Research Ethics Seminar, UB Center for Clinical Ethics and Humanities in Health Care, SUNY at Buffalo, August 20, 2013.

Regional

1. Neonatal seizures. Regional meeting of the Western Society of EEG Technologists, Newport Beach, CA, July 17, 1982.
2. To seize or not to seize: That is the question. 2nd Annual Neonatal and Pediatric EEG and Evoked Potential Meeting. Western Society of Electrodiagnostic Technologists, Newport Beach, CA, July 23, 1983.
3. Clinical and electroencephalographic recognition of newborn seizures. 35th Annual Western Institute on Epilepsy, Salt Lake City, UT, April 28, 1984.
4. Clinical application of EEG and video-telemetry. Western Society of Electrodiagnostic Technologists, Irvine, CA, November 9, 1985.
5. Does "right to die" mean "right to be killed"? Symposium on Bioethics, Social Change and Long-Term Care. Redwood Terrace, Escondido, CA, May 7, 1988.
6. Controversies in the determination of brain death in children. Panelist for round-table session, Western Scientific Assembly of California Medical Association's annual meeting. March 3, 1989.
7. Presurgical evaluation: Choosing the right candidate. Workshop organized by the UCLA Pediatric Epilepsy Program: Managing Seizures in Children - Designer Drugs or the Cutting Edge? Palm Desert, CA, March 18, 1994.
8. Brain death: conceptual controversies. Social and Ethical Issues in the Neurosciences, Stanford University Medical Center, Menlo Park, CA, May 5, 2008.
9. Brain death: conceptual controversies. Social and Ethical Issues in the Neurosciences, Stanford University Medical Center, Menlo Park, CA, May 17, 2010.
10. Science, pseudoscience, and social agendas: medical and ethical aspects of vegetative state. Social and Ethical Issues in the Neurosciences, Stanford University Medical Center, Menlo Park, CA, April 4, 2012.

Local

1. Sensory neuropsychology: implications for philosophical realism. Thomas Aquinas College, Ojai, CA, April 24, 1981.
2. Practical aspects of EEG. Kern Medical Center, Bakersfield, CA, September 23, 1981.
3. Classification of seizures. Grand Rounds, Lanterman State Hospital, Pomona, CA, October 7, 1981.
4. Practical aspects of EEG. Grand Rounds, Lanterman State Hospital, Pomona, CA May 19, 1982.

5. CCTV-EEG biotelemetry in newborns and children. Symposium on “The Epilepsies of Childhood and Adolescence,” co-sponsored by California Comprehensive Epilepsy Program & Los Angeles County Epilepsy Society. Los Angeles, CA November 29, 1984.
6. Coupling and bifurcation in neonatal seizures. Children's Hospital of Los Angeles neurology conference. February 26, 1985.
7. The use of EEG for the practicing pediatrician. Olive View Medical Center pediatric conference. July 24, 1985.
8. Dissociation of EEG and behavior in seizures. Grand Rounds, Lanterman State Hospital, Pomona, CA, December 4, 1985.
9. The role of ethical theories in the practice of medicine. Guest lecture for course in Society and Values (Philosophy Department), California State University Northridge, March 10, 1986.
10. The diagnosis and management of neonatal seizures. Pediatric Grand Rounds, White Memorial Hospital, Los Angeles, May 15, 1987.
11. Humane and dignified death can be achieved without the Humane and Dignified Death Act. Los Angeles County Medical Association, Glendale district monthly meeting, Glendale, March 21, 1988.
12. Modern diagnostic procedures for the evaluation of neurological problems in neonates. 13th Annual Symposium. Care of the Sick Newborn. Co-sponsored by Memorial Medical Center of Long Beach, University of California, Irvine, and American Academy of Pediatrics, California Chapter 2, April 23, 1988.
13. New surgical approaches for infants and children. UCLA Update on Clinical Epilepsy. Santa Monica, CA, February 17, 1990 (co-presented with Harry T. Chugani. MD, and Warwick J. Peacock. MD).
14. Coma prognosis in children. Pediatric Neurology Weekly Conference, Los Angeles Children's Hospital, February 25, 1992.
15. Neonatal seizures, EEG interpretation and prognostic implications. Kaiser Permanente (Bellflower), April 11, 1994.
16. Management of terminal illness in pediatrics. St. John's Regional Medical Center, Camarillo, CA, November 3, 1994.
17. “Brain death” and organismal death. Philosophy Department Colloquium, Loyola Marymount University, Los Angeles, CA, March 8, 1996.
18. Old and new anti-epileptic drugs. Diagnostic & Therapeutic Seminars in Epilepsy and Seizure Disorders, sponsored by National Medical Information Network, a division of Lippincott-Raven Healthcare. Park Hyatt Hotel, Los Angeles, CA, October 25, 1996.
19. Patient evaluation - What tests to order. Diagnostic & Therapeutic Seminars in Epilepsy and Seizure Disorders, sponsored by National Medical Information Network, a division of Lippincott-Raven Healthcare. Park Hyatt Hotel, Los Angeles, CA, October 26, 1996.
20. A clinical critique of euthanasia. The Claremont Colleges, Claremont, CA, January 20, 2000.
21. Overview of epilepsy and treatments including new AEDs. Conference on Eastern & Western Treatments for Epilepsy & Wellness. Sponsored by the Epilepsy Foundations of LA, Orange, San Bernardino and Ventura Counties. Pomona, CA, November 2, 2002.
22. Childhood seizure disorders. High Desert Hospital, Antelope Valley, CA, February 10, 2004.
23. Persistent vegetative state. Noon lecture series, Encino-Tarzana Regional Medical Center, Encino, CA, November 8, 2005.
24. Age-related seizures and syndromes. Noon lecture series, Family Practice Residency Program, Northridge Hospital Medical Center, Northridge, CA, October 10, 2006.
25. Atypical febrile seizures. Noon lecture series, Family Practice Residency Program, Northridge Hospital Medical Center, Northridge, CA, August 7, 2007.

26. Brain death: New perspectives on an old concept. Bioethics Committee, Los Angeles County Bar Association, Santa Monica, CA, June 11, 2008.
27. Controversies surrounding "brain death." Ethics Noon Conference, Cedars-Sinai Medical Center, Los Angeles, CA, March 10, 2010.
28. Current Controversies Surrounding the Diagnosis of Death and the Ethics of Organ Transplantation. Harvard Club of Southern California, "Science Pub" Lecture Series, Pasadena, CA, February 23, 2014.

Intramural

1. Computer assisted CSF spectrophotometry. Hines/Loyola 3rd Annual Resident Essay Symposium, Oak Brook, IL, February 21, 1979.
2. The use of electroencephalography in the newborn period. Hines/Loyola 4th Annual Resident Essay Symposium, Oak Brook, IL, February 27, 1980.
3. Infantile ischemic hypervascularity. Loyola University Child Neurology Symposium, Loyola University, Maywood, IL, June 20, 1980.
4. Post-ischemic hypervascularity. UCLA Child Neurology Conference, August 21, 1980.
5. Practical aspects of EEG for pediatricians. UCLA Pediatric Grand Rounds, August 28, 1981.
6. Brain death and vegetative states. UCLA Pediatric Grand Rounds, December 3, 1982.
7. Brain death and vegetative states. UCLA Neurology Grand Rounds, January 26, 1983.
8. The spectrum of neonatal seizures. UCLA Clinical Neurophysiology Program, "Epilepsy Go-Round", March 2, 1983.
9. Telemetry of neonatal seizures. UCLA Neurology Seminar, March 30, 1983.
10. Neonatal seizures. UCLA Neurosurgery Departmental Conference, October 29, 1983.
11. Brain death. (co-presented with Leslie S. Rothenberg, JD) UCLA Medicine Department Conference, January 24, 1984.
12. Neonatal EEG polygraphy. UCLA Perinatology/Obstetrics Conference. November 8, 1984.
13. Brain death in neonates. UCLA Perinatology/Obstetrics Conference. January 3, 1985.
14. Neurologic assessment of the infant. Critical Care Class for Pediatric Nurses. August 14, 1985.
15. Neurologic assessment of the infant. Critical Care Class for Pediatric Nurses. November 13, 1985.
16. Development of the normal EEG and abnormalities in childhood. Neurology Resident Lecture Series. November 13, 1985.
17. Effect of focal interictal spikes on perception and reaction time. Clinical Neurophysiology Program, "Epilepsy Go-Round", December 18, 1985.
18. Do interictal spikes cause cerebral dysfunction? Neurobehavior Seminar, February 11, 1986.
19. Neurologic assessment of the infant. Critical Care Class for Pediatric Nurses. March 19, 1986.
20. Neurologic assessment of the infant. Critical Care Class for Pediatric Nurses. July 9, 1986.
21. Pediatric epilepsy surgery: Corpus Callosum and Focal Resection. (with Warwick J. Peacock, MD), Clinical Neurophysiology Program, "Epilepsy Go-Round", October 29, 1986.
22. Criteria for infant brain death. Infant Care Review Committee, November 11, 1986.
23. Pediatric antiepileptic drug therapy. Parke-Davis Epilepsy Clinical Clerkship, sponsored by UCLA Clinical Neurophysiology Program and Medical Education Systems, Inc., March 18, 1987.
24. The anencephalic infant as organ donor: a critique. Nursing Service Ethics Seminar, May 20, 1987.
25. The critical duration of electrocerebral silence necessary to diagnose "irreversibility." Clinical Neurophysiology Program, "Epilepsy Go-Round", June 24, 1987.
26. New developments in the evaluation and management of seizures. UCLA Pediatric Grand Rounds, July 10, 1987.

27. Neurologic diseases and disorders in the newborn. Continuing Education Class for NICU Nurses, August 5, 1987.
28. Developmental clinical neurophysiology. Advanced Clinical Neurophysiology Lecture Series, September 25, 1987.
29. Why we should not end a human life (the case against active euthanasia). UCLA Medicine and Society Forum, October 1, 1987.
30. Clinical and prognostic utility of neonatal EEG. Advanced Clinical Neurophysiology Lecture Series, October 2, 1987.
31. Maturational changes in the EEG during childhood. Advanced Clinical Neurophysiology Lecture Series, October 9, 1987.
32. Neurologic diseases and disorders in the newborn. Continuing Education Class for NICU Nurses, November 4, 1987.
33. Hemispherectomy for intractable seizures in children (with Warwick J. Peacock, MD). Clinical Neurophysiology Program, "Epilepsy Go-Round", December 16, 1987.
34. Under what circumstances is it alright to use organs from anencephalic newborns for transplantation procedures? UCLA Medicine and Society Forum, March 24, 1988.
35. New concepts in neonatal seizures. Neurology Grand Rounds, April 13, 1988.
36. Seizure evaluation and management in Children. Pediatric Noon Conference, April 27, 1988.
37. Rasmussen's encephalitis. Pediatric Infectious Disease Conference, May 12, 1988.
38. Are focal interictal epileptiform discharges really subclinical? "Brains for Lunch" Neurology Conference, June 15, 1988.
39. Neurologic assessment of the infant and child. Critical Care Class for Pediatric Nurses. August 20, 1988.
40. Seizures in infants and children. Critical Care Class for Pediatric Nurses. August 20, 1988.
41. Neonatal EEG. Neurology resident dinner seminar. October 4, 1988.
42. Diagnosis of pediatric epilepsy and the decision for surgery. Mental Retardation Research Center retreat, October 15, 1988.
43. Neurologic assessment and seizures in infants. Critical Care Class for Pediatric Nurses. October 25, 1988.
44. Neurologic assessment and seizures in infants. Critical Care Class for Pediatric Nurses. March 1, 1989.
45. Focal cortical resection as a treatment for infantile spasms (with W. Donald Shields, MD). Neurology Grand Rounds, April 12, 1989.
46. Clinical effects of "subclinical" interictal epileptiform discharges. Pediatric Grand Rounds: Faculty Research Day. April 21, 1989.
47. Pediatric epilepsy. Neurosurgical Symposium. May 29, 1991.
48. Brain-stem plasticity. Neurology Grand Rounds. December 4, 1991.
49. Coma and brain death. Pediatric noon conference. January 7, 1992.
50. Neonatal seizures - Diagnosis and prognosis. Perinatal/Obstetrical conference. October 19, 1992.
51. Rasmussen encephalitis. Neurology Grand Rounds. February 17, 1993.
52. Brain death. Pediatric Grand Rounds. October 22, 1993.
53. Neonatal seizures. Perinatal/Obstetrical conference. December 20, 1993.
54. Febrile and nonfebrile seizures in children. Pediatric noon conference. January 11, 1994.
55. Hypotonia. Pediatric noon conference. June 14, 1994.
56. Neonatal seizures. Perinatal/Obstetrical conference. January 9, 1995.
57. Neonatal seizures. Pediatric Grand Rounds. May 12, 1995.
58. What's new in pediatric epileptology. Neurology Grand Rounds. February 14, 1996.

59. Epilepsy, seizures and diagnosis. Pediatric Intensive Care Nursing Update series. July 16, 1996.
60. Brain death, Part 1. Pediatric Neurology noon conference, April 18, 1996.
61. Brain death, Part 2. Pediatric Neurology noon conference, May 9, 1996.
62. Epilepsy partialis continua. Pediatric Neurology noon conference, June 27, 1996.
63. Persistent vegetative state, Part 1. Pediatric Neurology noon conference, August 1, 1996.
64. Persistent vegetative state, Part 2. Pediatric Neurology noon conference, August 8, 1996.
65. Coma prognosis in children. Pediatric Grand Rounds, Olive View-UCLA Medical Center, August 9, 2000.
66. Pediatric neurology. "Kidz Care 2001" Pediatric Nursing Education Program, Olive View-UCLA Medical Center, June 27, 2001.
67. New anti-epileptic drugs. Pediatric Grand Rounds, Olive View-UCLA Medical Center, January 16, 2002.
68. Brain death: a critical reappraisal. Bioethics Lecture Series, UCLA Medical Center, September 9, 2002.
69. Brain death: a critical reappraisal. Ethics Committee, Olive View-UCLA Medical Center, October 1, 2002.
70. Brain death. Neurology Grand Rounds, UCLA Medical Center, October 30, 2000.
71. Women's issues in epilepsy. Medicine Department, Sepulveda VA Hospital, November 21, 2002.
72. Coma diagnosis. Medicine Noon Lecture, Olive View-UCLA Medical Center, July 21, 2003.
73. Persistent vegetative state. Neurology Grand Rounds, Olive View-UCLA Medical Center, July 22, 2003.
74. Coma diagnosis. Medicine Grand Rounds, Sepulveda VA Hospital, July 28, 2003.
75. Age-related seizure types and syndromes. Pediatric Grand Rounds. Olive View-UCLA Medical Center, January 21, 2004.
76. Coma. Medicine Noon Lecture, Olive View-UCLA Medical Center, July 19, 2004.
77. Persistent vegetative state. Neurology Grand Rounds, Wadsworth VA Hospital, November 5, 2004.
78. Brain death: a critical reappraisal. Neurology Grand Rounds, Wadsworth VA Hospital, August 5, 2005.
79. Brain death: a critical reappraisal. Neurology Grand Rounds, Olive View-UCLA Medical Center, August 23, 2005.
80. Brain death. Pediatric Grand Rounds, Olive View-UCLA Medical Center, October 5, 2005.
81. The vegetative state. Neurology Grand Rounds, UCLA Medical Center, October 12, 2005.
82. Brain death. Neurology Grand Rounds, UCLA Medical Center, October 12, 2005.
83. Atypical febrile seizures. Pediatric Grand Rounds, Olive View-UCLA Medical Center, July 18, 2007.
84. Coma. Medicine Noon Lecture, Olive View-UCLA Medical Center, August 8, 2007.
85. Interictal spikes: Epiphenomenon or phenomenon? Neurology Grand Rounds, Olive View-UCLA Medical Center, September 25, 2007.
86. Coma. Medicine Noon Lecture, Olive View-UCLA Medical Center, July 11, 2008.
87. Coma and altered consciousness. Medicine Noon Lecture, Olive View-UCLA Medical Center, August 7, 2009.
88. Atypical febrile seizures. Pediatric Grand Rounds, Olive View-UCLA Medical Center, August 12, 2009.
89. Staying on top of brain waves: Indications for EEGs, what they tell us and what they don't. Pediatric Grand Rounds, Olive View-UCLA Medical Center, October 7, 2009.
90. Staying on top of brain waves: Indications for EEGs, what they tell us and what they don't. Lecture for Neuropsychology Fellows, Olive View-UCLA Medical Center, December 3, 2009.
91. Staying on top of brain waves: Indications for EEGs, what they tell us and what they don't. Medicine Noon Lecture series. Olive View-UCLA Medical Center, June 4, 2010.
92. Coma and altered consciousness. Medicine Noon Lecture, Olive View-UCLA Medical Center, August 30, 2010.
93. Antiepileptic drug update. Pediatric Grand Rounds, Olive View-UCLA Medical Center, March 16, 2011.

94. Coma and altered consciousness. Medicine Noon Lecture, Olive View-UCLA Medical Center, July 1, 2011.
95. Vegetative state: medical and ethical aspects. Olive View-UCLA Medical Center, April 12, 2012.
96. Vegetative state: medical and ethical aspects. Harbor-UCLA Medical Center, June 8, 2012.
97. Coma and altered consciousness. Medicine Noon Lecture, Olive View-UCLA Medical Center, July 6, 2012.
98. Coma and altered consciousness. Medicine Noon Lecture, Olive View-UCLA Medical Center, July 12, 2013.
99. Brain death update. Neurology Grand Rounds, Sepulveda VA, September 3, 2013.
100. Vegetative State: Clinical and Ethical Update. UCLA Neurology Grand Rounds, October 16, 2013.
101. Current controversies surrounding the diagnosis of death and the ethics of organ transplantation. Harvard Club of Southern California, February 23, 2014.

PUBLICATIONS IN PEER-REVIEW JOURNALS

1. **Shewmon DA**, Masdeu JC: Delayed radiation necrosis of the brain contralateral to original tumor. *Archives of Neurology* 37(9):592-594, 1980.
2. **Shewmon DA**, Fine M, Masdeu JC, Palacios E: Post-ischemic hypervascularity of infancy. A stage in the evolution of ischemic brain damage with characteristic CT scan. *Annals of Neurology* 9(4):358-365, 1981.
3. Masdeu JC, Fine M, **Shewmon DA**, Palacios E, Naidu S: Post-ischemic hypervascularity of the infant brain: Differential diagnosis on computed tomography. *American Journal of Neuroradiology* 3(10):501-504, 1982.
4. **Shewmon DA**, Cherry JD, Kirby SE: Late shedding of rubella virus in a 4½-year-old boy with congenital rubella. *Pediatric Infectious Disease* 1(5):342-343, 1982.
5. **Shewmon DA**: Unilateral straight hair in congenital Horner's syndrome due to stellate ganglion tumor. *Annals of Neurology* 13(3):345-346, 1983.
6. **Shewmon DA**, Krentler KA: Off-line montage reformatting. *Electroencephalography and Clinical Neurophysiology* 57:591-595, 1984.
7. **Shewmon DA**, Sherman MP, Danner R: Atelencephalic microcephaly. *Clinical Pediatrics* 23(11):649-651, 1984.
8. **Shewmon DA**: The metaphysics of brain death, persistent vegetative state, and dementia. *The Thomist* 49(1):24-80,1985.
9. Danner R, **Shewmon DA**, Sherman MP: Seizures in an atelencephalic infant: Is the cortex essential for neonatal seizures? *Archives of Neurology* 42:1014-1016, 1985.
10. Lenarsky C, **Shewmon DA**, Shaw A, Feig SA: Occurrence of neuroblastoma and asymmetric crying facies: Case report and review of the literature. *Journal of Pediatrics* 107(2):268-270, 1985.
11. Dreifuss F, Farwell J, Holmes G, Joseph C, Lockman L, Madsen JA, Minarcik CJ Jr, Rothner AD, **Shewmon DA**: Infantile Spasms: A comparative trial of nitrazepam and corticotropin. *Archives of Neurology* 43(11):1107-1110, 1986.
12. **Shewmon DA**: The probability of inevitability: The inherent impossibility of validating criteria for brain death or "irreversibility" through clinical studies. *Statistics in Medicine* 6(5):535-553, 1987.
13. **Shewmon DA**: Ethics and brain death: A response. *The New Scholasticism* 61(3): 321-344, 1987.
14. **Shewmon DA**: Active voluntary euthanasia: A needless Pandora's box. *Issues in Law & Medicine* 3(3):219-244, 1987.

15. **Shewmon DA**, Erwin RJ: The effect of focal interictal spikes on perception and reaction time. Part I: General considerations. *Electroencephalography and Clinical Neurophysiology* 69(4):319-337, 1988.
16. **Shewmon DA**, Erwin RJ: The effect of focal interictal spikes on perception and reaction time. Part II: Neuroanatomic specificity. *Electroencephalography and Clinical Neurophysiology* 69(4):338-352, 1988.
17. **Shewmon DA**, Erwin RJ: Focal spike-induced cerebral dysfunction is related to the after-coming slow wave. *Annals of Neurology* 23(2):131-137, 1988.
18. **Shewmon DA**: Commentary on guidelines for the determination of brain death in children. *Annals of Neurology* 24(6):789-791, 1988.
19. Chugani HT, **Shewmon DA**, Peacock WJ, Shields WD, Mazziotta JC, Phelps ME: Surgical treatment of intractable neonatal-onset seizures: The role of positron emission tomography. *Neurology* 38(8):1178-1188, 1988.
20. **Shewmon DA**, Erwin RJ: Transient impairment of visual perception induced by single interictal occipital spikes. *Journal of Clinical and Experimental Neuropsychology* 11(5):675-691, 1989.
21. **Shewmon DA**: Anencephaly: Selected medical aspects. *Hastings Center Report* 18(5):11-19, 1988.
22. **Shewmon DA**, Capron AM, Peacock WJ, Schulman BL: The use of anencephalic infants as organ sources: A critique. *JAMA* 261(12):1773-1781, 1989.
23. Olson DM, **Shewmon DA**: Electroencephalographic abnormalities in infants with hypoplastic left heart syndrome. *Pediatric Neurology* 5(2):93-98, 1989.
24. De Giorgio CM, **Shewmon DA**: Early prognosis in anoxic coma: An analysis of the major clinical criteria. *Issues in Law & Medicine* 5(2):141-164, 1989.
25. Chugani HT, Shields WD, **Shewmon DA**, Olson DM, Phelps ME, Peacock WJ: Infantile spasms: I. PET identifies focal cortical dysgenesis in cryptogenic cases for surgical treatment. *Annals of Neurology* 27(4):406-413, 1990.
26. Olson DM, Chugani HT, **Shewmon DA**, Phelps ME, Peacock WJ: Electrocorticographic confirmation of focal positron emission tomographic abnormalities in children with intractable epilepsy. *Epilepsia* 31(6):731-739, 1990.
27. Chugani HT, **Shewmon DA**, Sankar R, Chen BC, Phelps ME: Infantile spasms: II. Lenticular nuclei and brain stem activation on positron emission tomography. *Annals of Neurology* 31(2):212-219, 1992.
28. Gorman DG, Shields WD, **Shewmon DA**, Chugani HT, Finkel R, Comair YG, Peacock WJ: Neurosurgical treatment of refractory status epilepticus. *Epilepsia* 33(3):546-549, 1992.
29. Ashwal S, Bale JF Jr, Coulter DL, Eiben R, Garg BP, Hill A, Myer EC, Nordgren RE, **Shewmon DA**, Sunder TR, Walker RW (The CNS Ethics Committee): The persistent vegetative state in children: Report of the Child Neurology Society Ethics Committee. *Annals of Neurology* 32(4):570-576, 1992.
30. Caplan R, Comair Y, **Shewmon DA**, Jackson L, Chugani HT, Peacock WJ: Intractable seizures, compulsions, and coprolalia: A pediatric case study. *Journal of Neuropsychiatry and Clinical Neurosciences* 4:315-319, 1992.
31. Chugani HT, **Shewmon DA**, Khanna S, Phelps ME: Interictal and postictal focal hypermetabolism on positron emission tomography. *Pediatric Neurology* 9(1):10-15, 1993.
32. Chugani HT, **Shewmon DA**, Shields WD, Sankar R, Comair Y, Vinters HV, Peacock WJ: Surgery for intractable infantile spasms: Neuroimaging perspectives. *Epilepsia* 34(4):764-771, 1993.
33. Gaily E, Rantala H, Rintahaka P, **Shewmon DA**, Chugani HT, Peacock WJ, Shields, WD: Alle kaksivuotiaan lapsen vaikea epilepsia: onko leikkauksesta apua? ["Is surgical treatment helpful in children less than two years of age with intractable epilepsy?"] *Duodecim* 110:44-51, 1994.
34. Chugani HT, Rintahaka PJ, **Shewmon DA**: Ictal patterns of cerebral glucose utilization in children with epilepsy. *Epilepsia* 35(4):813-822, 1994.

35. Sankar R, Curran JG, Kevill JW, Rintahaka PJ, **Shewmon DA**, Vinters HV: Microscopic cortical dysplasia in infantile spasms: Evolution of white matter abnormalities. *AJNR (American Journal of Neuroradiology)* 16:1265-1272, 1995.
36. Gaily EK, **Shewmon DA**, Chugani HT, Curran JG: Asymmetric and asynchronous infantile spasms. *Epilepsia* 36(9):873-882, 1995.
37. Peacock WJ, Wehby-Grant MC, Shields WD, **Shewmon DA**, Chugani HT, Sankar R, Vinters HV: Hemispherectomy for intractable seizures in children: a report of 58 cases. *Child's Nervous System* 12:376-384, 1996.
38. Shih JJ, Kornblum H, **Shewmon DA**: Global brain dysfunction in an infant with pyridoxine dependency: evaluation with EEG, evoked potentials, MRI, and PET. *Neurology* 47(3):824-826, 1996.
39. Asarnow RF, LoPresti C, Guthrie D, Elliott T, Cynn V, Shields WD, **Shewmon DA**, Sankar R, Peacock WJ: Developmental outcomes in children receiving resection surgery for medically intractable infantile spasms. *Developmental Medicine and Child Neurology* 39:430-440, 1997.
40. Dulac O, Plouin P, **Shewmon A**, Contributors to the Royaumont Workshop: Myoclonus and epilepsy in childhood: 1996 Royaumont meeting. *Epilepsy Research* 30(2):91-106, 1998.
41. **Shewmon DA**: "Brain-stem death", "brain death" and death: a critical re-evaluation of the purported equivalence. *Issues in Law & Medicine* 14(2):125-145, 1998.
42. **Shewmon DA**: Chronic "brain death": meta-analysis and conceptual consequences. *Neurology* 51(6):1538-1545, 1998. [feature article with accompanying editorial] (letters and reply, *Neurology* 53(6):1369-1372, 1999.)
43. **Shewmon DA**: Spinal shock and 'brain death': somatic pathophysiological equivalence and implications for the integrative-unity rationale. *Spinal Cord* 37(5):313-324, 1999.
44. **Shewmon DA**, Holmes GL, Byrne PA: Consciousness in congenitally decorticate children: "developmental vegetative state" as self-fulfilling prophecy. *Developmental Medicine and Child Neurology* 41(6):364-374, 1999.
45. Rintahaka PJ, Nakagawa JA, **Shewmon DA**, Kyyronen P, Shields WD: Incidence of death in patients with intractable epilepsy during nitrazepam treatment. *Epilepsia* 40(4):492-496, 1999.
46. Shields WD, **Shewmon DA**, Peacock WJ, LoPresti CM, Nakagawa JA, Yudovin S: Surgery for the treatment of medically intractable infantile spasms: a cautionary case. *Epilepsia* 40(9):1305-1308, 1999.
47. Mathern GW, Giza CC, Yudovin S, Vinters HV, Peacock WJ, **Shewmon DA**, Shields WD: Postoperative seizure control and antiepileptic drug use in pediatric epilepsy surgery patients: the UCLA experience, 1986-1997. *Epilepsia* 40(12):1740-1749, 1999.
48. **Shewmon DA**: The brain and somatic integration: insights into the standard biological rationale for equating "brain death" with death. *Journal of Medicine and Philosophy* 26(5):457-478, 2001.
49. DeGiorgio CM, **Shewmon DA**, Whitehurst T: Trigeminal nerve stimulation for epilepsy. *Neurology* 61(3):421-422, 2003.
50. **Shewmon DA**: The dead donor rule: lessons from linguistics. *Kennedy Institute of Ethics Journal* 14(3):277-300, 2004.
51. **Shewmon DA**: A critical analysis of conceptual domains of the vegetative state: Sorting fact from fancy. *NeuroRehabilitation* 19(4):343-347, 2004.
52. DeGiorgio CM, **Shewmon DA**, Murray D, Whitehurst T: Pilot study of trigeminal nerve stimulation (TNS) for epilepsy: a proof-of-concept trial. *Epilepsia* 47(7):1213-1215, 2006.
53. Przeklasa-Auth M, Ovbiagele B, Yim C, **Shewmon DA**: Multiple sclerosis with initial stroke-like clinicoradiologic features: case report and literature review. *Journal of Child Neurology* 25(6):732-737, 2010. Epub 2009 Sep 30.

54. **Shewmon DA**: Constructing the death elephant: a synthetic paradigm shift for the definition, criteria, and tests for death. *Journal of Medicine and Philosophy* 35(3):256-298, 2010. Epub 2010 May 3.
55. **Shewmon DA**: You only die once: Why brain death is not the death of a human being. A reply to Nicholas Tonti-Filippini. *Communio* 39(fall):422-494, 2012.

INVITED REVIEWS AND COMMENTARIES

1. **Shewmon DA**: Does "right to die" mean "right to kill"? *California Physician* 5(1):24-27, 1988.
2. **Shewmon DA**, DeGiorgio CM: Early prognosis in anoxic coma: Reliability and rationale. In Bernat JL (ed): Ethical Issues in Neurologic Practice. Philadelphia, W.B. Saunders, *Neurologic Clinics* 7(4):823-843, 1989.
3. **Shewmon DA**: What is a neonatal seizure? Problems in definition and quantification for investigative and clinical purposes. *Journal of Clinical Neurophysiology* 7(3):315-368, 1990. [Abstracted in Clinical Digest Series.]
4. Altman K, **Shewmon DA**: Neurophysiologic monitoring devices for infants and children. UCLA School of Medicine, Departments of Neurology and Pediatrics. *Journal of Clinical Neurophysiology* 7(3):445-446, 1990.
5. Shields WD, **Shewmon DA**, Chugani HT, Peacock WJ: Treatment of infantile spasms: Medical or surgical? *Epilepsia* 33(Suppl 4):S26-S31, 1992.
6. **Shewmon DA**: Coma prognosis in children. Part I: Definitional and methodological challenges. *Journal of Clinical Neurophysiology* 17(5):457-466, 2000.
7. **Shewmon DA**: Coma prognosis in children. Part II: Clinical application. *Journal of Clinical Neurophysiology* 17(5):467-472, 2000.
8. **Shewmon DA**: Brain death: Can it be resuscitated? *Hastings Center Report* 39(2):18-24, 2009.
9. **Shewmon DA**: Brain death or brain dying? (Editorial) *Journal of Child Neurology* 27(1):4-6, 2012.

BOOKS

1. Machado C, **Shewmon DA** (eds): Brain Death and Disorders of Consciousness. Advances in Experimental Medicine and Biology, Vol. 550. New York: Kluwer Academic/Plenum Publishers, 2004.

BOOK CHAPTERS

1. **Shewmon DA**: Caution in the definition and diagnosis of infant brain death. In Monagle JF, Thomasma DC (eds): Medical Ethics: A Guide for Health Professionals. Rockville, MD, Aspen, 1988, pp. 38-57.
2. Chugani HT, Phelps ME, **Shewmon DA**, Barnes D: Cerebral glucose utilization in intractable neonatal seizures and in the developing brain. In Wasterlain CG, Vert P (eds): Neonatal Seizures. New York, NY, Raven Press, 1990, pp. 169-179.
3. Chugani HT, **Shewmon DA**, Shields WD, Peacock WJ, Phelps ME: Pediatric epilepsy surgery: Pre- and postoperative evaluation with PET. In: Duchowny M, Resnick T, Alvarez L (eds): Pediatric Epilepsy Surgery. New York, Demos, 1990. *Journal of Epilepsy* 3(Suppl 1):75-82, 1990.
4. **Shewmon DA**, Shields WD, Chugani HT, Peacock WJ: Contrasts between pediatric and adult epilepsy surgery: Rationale and strategy for focal resection. In: Duchowny M, Resnick T, Alvarez L (eds): Pediatric Epilepsy Surgery. New York, Demos, 1990. *Journal of Epilepsy* 3(Suppl 1):141-155, 1990.

5. Peacock WJ, Chugani HT, **Shewmon DA**, Shields WD: Classical hemispherectomy for the control of intractable seizures in children with infantile hemiplegia. In: Duchowny M, Resnick T, Alvarez L (eds): Pediatric Epilepsy Surgery. New York, Demos, 1990. *Journal of Epilepsy* 3(Suppl 1):183-185, 1990.
6. Shields WD, **Shewmon DA**, Chugani HT, Peacock WJ: The role of surgery in the treatment of infantile spasms. In: Duchowny M, Resnick T, Alvarez L (eds): Pediatric Epilepsy Surgery. New York, Demos, 1990. *Journal of Epilepsy* 3(Suppl 1):321-324, 1990.
7. Engel J Jr, **Shewmon DA**: The impact of the kindling phenomenon on clinical epileptology. In Morrell F (ed): Kindling and Synaptic Plasticity: The Legacy of Graham Goddard. Boston, Birkhäuser, 1991, pp. 195-210.
8. Engel J Jr, Levesque M, Crandall PH, **Shewmon DA**, Rausch R, Sutherling W: The epilepsies. In Grossman RG, Rosenberg RN (eds): Principles of Neurosurgery. New York, NY, Raven Press, 1991, pp. 319-358.
9. Peacock WJ, Comair Y, Chugani HT, **Shewmon DA**, Shields WD: Epilepsy surgery in childhood. In: Lüders HO (ed): Epilepsy Surgery. New York, Raven Press, 1991, pp. 589-598.
10. Sutherling W, Peacock W, Levesque M, **Shewmon A**, Shields D: Summary of epilepsy surgery protocols. Los Angeles, California, Epilepsy Surgery Program UCLA. In: Lüders HO (ed): Epilepsy Surgery. New York, Raven Press, 1991, pp. 792-795.
11. **Shewmon DA**: "Brain death": A valid theme with invalid variations, blurred by semantic ambiguity. In: White RJ, Angstwurm H, Carrasco de Paula I (eds): Working Group on the Determination of Brain Death and its Relationship to Human Death. Pontifical Academy of Sciences, Scripta Varia #83. Casina Pio IV, Vatican City, 1992, pp. 23-51.
12. Engel J Jr, **Shewmon DA**: Overview: Who should be considered a surgical candidate? In: Engel J Jr (ed): Surgical Treatment of the Epilepsies. 2nd ed. New York, Raven Press, 1993, pp. 23-34.
13. Quesney LF, Risinger MW, **Shewmon DA**: Extracranial EEG evaluation. In: Engel J Jr (ed): Surgical Treatment of the Epilepsies. 2nd ed. New York, Raven Press, 1993, pp. 173-195.
14. Duchowny MS, **Shewmon DA**, Wyllie E, Andermann F, Mizrahi EM: Special considerations for preoperative evaluation in childhood. In: Engel J Jr (ed): Surgical Treatment of the Epilepsies. 2nd ed. New York, Raven Press, 1993, pp. 415-427.
15. **Shewmon DA**: Ictal aspects with emphasis on unusual variants. In: Dulac O, Chugani HT (eds): Infantile Spasms and West Syndrome. London, W.B. Saunders, 1994, pp. 36-51.
16. **Shewmon DA**: Clinical determination of death in infants and children. In: Sgreccia E, Spagnolo AG, Di Pietro ML (eds): L'Assistenza al Morente. Aspetti socio-culturali, medico-assistenziali e pastorali. ["Care for the Dying Person. Socio-cultural, medical and pastoral aspects."] Milan, Vita e Pensiero, 1994, pp. 141-175.
17. **Shewmon DA**: EEG as a localizing tool. In: Adelson PD, Black PMcL (eds): Surgical Treatment of Epilepsy in Children. *Neurosurgery Clinics of North America*. July, 1995, pp. 481-490.
18. **Shewmon DA**, Shields WD, Sankar R, Yudovin SL, Rintahaka PJ, Peacock WJ: Follow-up on infants with surgery for catastrophic epilepsy. In: Tuxhorn I, Holthausen H, Boenigk H (eds): Paediatric Epilepsy Syndromes and their Surgical Treatment. London, John Libbey, 1997, pp. 513-525.
19. Holthausen H, May TW, Adams CTB, Andermann F, Comair Y, Delalande O, Duchowny M, Freeman JM, Hoffman HJ, May P, Oppel F, Oxbury JM, Peacock WJ, Polkey C, Resnick T, Schramm J, **Shewmon DA**, Tuxhorn I, Vigevano F, Villemure J-G, Wyllie E, Zaiwalla Z: Seizures post hemispherectomy. In: Tuxhorn I, Holthausen H, Boenigk H (eds): Paediatric Epilepsy Syndromes and their Surgical Treatment. London, John Libbey, 1997, pp. 749-773.
20. Sperling MR, **Shewmon DA**: General principles for presurgical evaluation. In: Engel J Jr, Pedley TA (eds): Epilepsy. New York, Raven Press, 1998, Chapter 162, pp. 1697-1705.

21. Spencer SS, Sperling MR, **Shewmon DA**: Intracranial electrodes. In: Engel J Jr, Pedley TA (eds): Epilepsy. New York, Raven Press, 1998, Chapter 164, pp. 1719-1747.
22. **Shewmon DA**: Is it reasonable to use as a basis for diagnosing death the UK protocol for the clinical diagnosis of "brain-stem death"? In: Gormally L (ed): Issues for a Catholic Bioethic. Proceedings of the International Conference to celebrate the Twentieth Anniversary of the foundation of The Linacre Centre. 28-31 July 1997. London, The Linacre Centre, 1999, Chapter 19, pp. 315-333.
23. Guerrini R, Parmeggiani L, **Shewmon A**, Rubboli G, Tassinari CA: Motor dysfunction resulting from epileptic activity involving the sensorimotor cortex. In: Guerrini R, Aicardi J, Andermann F, Hallett M (eds): Epilepsy and Movement Disorders, Cambridge University Press, 2002, pp. 77-96.
24. **Shewmon DA**: Determinación del momento de la muerte: nuevas evidencias, nuevas controversias. In: González AMG, Solana EP and Jiménez SA (eds): Vivir y Morir con Dignidad Temas fundamentales de Bioética en una sociedad plural. Pamplona, Spain, EUNSA (Ediciones Universidad de Navarra), 2002, pp. 153-171.
25. **Shewmon DA**: The "critical organ" for the organism as a whole: Lessons from the lowly spinal cord. In: Machado C, **Shewmon DA** (eds): Brain Death and Disorders of Consciousness. Advances in Experimental Medicine and Biology, Vol. 550. New York: Kluwer Academic/Plenum Publishers, 2004, pp. 23-41.
26. **Shewmon DA**, Shewmon ES: The semiotics of death and its medical implications. In: Machado C, **Shewmon DA** (eds): Brain Death and Disorders of Consciousness. Advances in Experimental Medicine and Biology, Vol. 550. New York: Kluwer Academic/Plenum Publishers, 2004, pp. 89-114.
27. **Shewmon DA**: The ABC of PVS: Problems of definition. In: Machado C, **Shewmon DA** (eds): Brain Death and Disorders of Consciousness. Advances in Experimental Medicine and Biology, Vol. 550. New York: Kluwer Academic/Plenum Publishers, 2004, pp. 215-228.
28. **Shewmon DA:** Brain-body disconnection: Implications for the theoretical basis of brain death. In de Mattei R (ed): Finis Vitae. Is Brain Death Still Life? Rome: Edizioni Consiglio Nazionale delle Ricerche, Rubbettino Editore, 2006, pp. 211-250. [Translated into Italian as: **Shewmon DA**: Disconnessione tra encefalo e corpo: implicazioni per il fondamento teorico della morte cerebrale. In de Mattei R (ed): Finis Vitae: La Morte Cerebrale È Ancora Vita? Edizioni Consiglio Nazionale delle Ricerche, Rubbettino Editore, 2007.]
29. **Shewmon DA:** Mental disconnect: 'Physiological decapitation' as a heuristic for understanding 'brain death.' In: Sanchez Sorondo M (ed): The Signs of Death. The Proceedings of the Working Group 11-12 September 2006. Vatican City: Pontificia Academia Scientiarum, Scripta Varia 110, 2007, pp. 292-333.
30. **Shewmon DA:** Comments on the transcript of the discussion. In: Sanchez Sorondo M (ed): The Signs of Death. The Proceedings of the Working Group 11-12 September 2006. Vatican City: Pontificia Academia Scientiarum, Scripta Varia 110, 2007, pp. 371-381.
31. **Shewmon DA, Spaemann R:** Dissenting statement on the summary document: 'Why the concept of brain death is valid as a definition of death.' In: Sanchez Sorondo M (ed): The Signs of Death. The Proceedings of the Working Group 11-12 September 2006. Vatican City: Pontificia Academia Scientiarum, Scripta Varia 110, 2007, pp. 382-387.
32. Spencer SS, Sperling, MR, **Shewmon DA,** Kahane P: Intracranial electrodes. In Engel J Jr, Pedley TA (eds): Epilepsy. A Comprehensive Textbook. 2nd ed. Philadelphia: Lippincott Williams & Wilkins, 2008, Volume 2, Chapter 171, pp. 1791-1815.
33. Engel J Jr, **Shewmon DA**: Neurologic practice within a video-EEG monitoring unit. In Sirven JI, Stern JM (eds): Atlas of Video-EEG Monitoring. New York: McGraw-Hill, 2011, pp. 101-107.
34. **Shewmon DA**: Controversies surrounding brain death. In Jensen SJ (ed): The Ethics of Organ Transplantation. Washington, DC: Catholic University of America Press, 2011, pp. 21-42.

OTHER PUBLICATIONS

1. **Shewmon DA**: The use of electroencephalography in the newborn period. *Proceedings of the Hines/Loyola Medical Center Conference on Neurology* 9(2):33-42, 1980.
2. **Shewmon DA**: Recovery from "brain death": a neurologist's *Apologia. Linacre Quarterly* 64(1):30-96, 1997.
3. **Shewmon DA**: Is "brain death" actually death? An autobiographical conceptual itinerary. *Aletheia* 7:287-320, 2001.
4. **Shewmon DA**: On conscious non-organisms, unconscious persons, and bisected person-organisms. *American Philosophical Association Newsletter*, 9(1):14-18, 2009.

BOOK REVIEWS

1. Goedel, Escher, Bach: an Eternal Golden Braid, by Douglas R. Hofstadter. New York, Vintage, 1980 -- in *Computer* 15(5):158-159, 1982.
2. The Enchanted Loom: Mind in the Universe, by Robert Jastrow. New York, Simon and Schuster, 1981 -- in *Computer* 16(4):133-134, 1983.
3. Topics in Neonatal Neurology, edited by Harvey B. Sarnat. New York, Grune & Stratton, 1984 -- in *Epilepsia* 26(4):375-376, 1985.

LETTERS

1. Masdeu JC, **Shewmon DA**: Left medial parietal lobe and receptive language functions. *Neurology (Minneap)* 30(10):1137, 1980.
2. **Shewmon DA**: Visual allesthesia. *Neurology (Ny)* 31(4):496, 1981.
3. **Shewmon DA**: Cardiac allotransplantation in newborns. *New England Journal of Medicine* 316(14):878, 1987.
4. **Shewmon DA**: Brain death in children. *Neurology* 38(11):1813-1814, 1988.
5. **Shewmon DA**: The semantic confusion surrounding 'brain death.' *Archives of Neurology* 46(6):603-604, 1989.
6. **Shewmon DA**: Coverage of euthanasia issues prompts elitism and propaganda. *Medical Ethics Advisor* 5(9):121, 1989.
7. **Shewmon DA**: Euthanasia debate. *UCLA Physicians' Forum* 1(3):2, 1989.
8. **Shewmon DA**: The minimally conscious state: Definition and diagnostic criteria. *Neurology* 58(3):506, 2002.
9. Verheijde JL, Potts M, Rady MY, **Shewmon DA**: The rapid assessment of hospital procurement barriers in donation: Improving quality – or trumping individual rights? *Journal of Healthcare Quality* 32(3):42-44, 2010.
10. **Shewmon DA**, Verheijde JL, Potts M, Rady MY: Evidence-based guideline update for determining brain death in adults. *Neurology* 76(3):308, 2011.

REPRINTING, ABSTRACTING, REVIEW AND CITATION OF PUBLICATIONS

Peer-reviewed papers

#14 reprinted with permission in Baird RM, Rosenbaum SE (eds): Euthanasia. The Moral Issues. (Contemporary Issues in Philosophy series) Buffalo, NY: Prometheus Books, 1989, pp. 129-140.
#17 abstracted in: *Epilepsy Advances in Clinical and Experimental Research* 3(3):3, 1988.
#21 reprinted with permission in Smith RE (ed): Critical Issues in Contemporary Health Care. Braintree, MA, Pope John Center, 1989, pp. 231-252.
#22 selected for translation and inclusion in European edition of *JAMA* 5(6):358-370, 1989.
#22 abstracted in: "In the Literature," *Hastings Center Report*, 19(4):44, 1989.
#22 abstracted in: "News Briefs," *Medical Ethics Advisor*, 5(4):53, 1989.
#22 excerpts reprinted with permission in Bender DL et al (eds): "Opposing Viewpoints, Sources," issue on "Death/Dying." San Diego, Greenhaven Press, 1990, pp. 79-84.
#25 abstracted in: *Pediatric Neurology Briefs* 4(4):30, 1990.
#25 abstracted in: *Epilepsy Advances in Clinical and Experimental Research* 5(4):2, 1990.
#27 abstracted in: *Epilepsy Advances in Clinical and Experimental Research* 7(3):3, 1992.
#41 abstracted in: "In the Literature," *Hastings Center Report* Jan-Feb: 48-49, 1999.
#41 translated into German and reprinted with permission in Schweidler W, Neumann, HA, Brysch E (eds.): Menschenleben – Menschenwürde. Interdisziplinäres Symposium zur Bioethik. Münster: Lit Verlag, 2003, pp. 293-316.
#41 translated into Italian and reprinted with permission as Shewmon DA: 'Morte del tronco cerebrale', 'morte cerebrale' e morte: un riesame critico della loro presunta equivalenza. In Rosangela Barcaro, Paolo Becchi (eds): Questioni Mortali. L'Attuale Dibattito sulla Morte Cerebrale e il Problema dei Trapianti [Mortal Questions. The Current Debate about Brain Death and the Problem of Transplants]. Edizioni Scientifiche Italiane, 2004, pp. 177-204.
#42 accompanied by editorial: Cranford RA: Even the dead are not terminally ill anymore. *Neurology* 51(6):1530-1531, 1998.
#42 translated into Japanese and reprinted in *Kagaku,* August, 2008 issue.
work on brain death extensively cited in Greenberg, G: As good as dead. Is there really such a thing as brain death? *The New Yorker*, August 13, 2001, pp. 36-41.
#48 was the focus of the October, 2001 issue of *Journal of Medicine and Philosophy.*
work on brain death extensively cited by the President's Council on Bioethics in its white paper, "Controversies in the Determination of Death" (2008) www.bioethics.gov/reports/death/index.html

Invited reviews

#2 cited significantly in:
Bates D: Defining prognosis in medical coma. *J Neurol Neurosurg Psychiatr* 54:569-571, 1991.
Longstreth WT Jr: Neurological complications of cardiac arrest. In Aminoff MJ (ed): Neurology and General Medicine. The Neurological Aspects of Medical Disorders. 2 ed. New York, Churchill Livingstone, 1995.
#8 reprinted in *Issues in Law & Medicine* 25(1):3-14, 2009.

Chapters

#28 reprinted in de Mattei R, Byrne PA (eds): Finis Vitae. 'Brain Death' is Not True Death. Oregon, OH: Life Guardian Foundation, 2009, pp. 227-258.

Other publications

#2 reviewed: Solana EP, Spagnolo AG: La morte cerebrale indica realmente la morte dell'individuo umano? *Medicina e Morale* (6):1243-1248, 1997.

ABSTRACTS

1. **Shewmon DA**, Fareed J, Messmore H: Cerebrospinal fluid platelets as a marker for traumatic lumbar puncture: Diagnostic value in intracranial hemorrhage. Proceedings of the joint meeting of the 18th Congress of the International Society of Hematology and 16th Congress of the International Society of Blood Transfusion, August 19, 1980, p. 146 (#708).
2. **Shewmon DA**: Brief interictal rhythmic discharges in newborns. Joint meeting of the American EEG Society and the American Epilepsy Society, November 11, 1982. *Electroencephalography and Clinical Neurophysiology* 56(4):24P (#5), 1983.
3. **Shewmon DA**: The spectrum of subclinical electrographic seizures in newborns. Western EEG Society, 39th Annual Meeting, Palo Alto, March 4, 1983. *Electroencephalography and Clinical Neurophysiology* 57(4):63P (#5), 1984.
4. **Shewmon DA**: Dissociation between cortical discharges and ictal movements in neonatal seizures. 12th national meeting of the Child Neurology Society, Williamsburg, VA, October 13, 1983. *Annals of Neurology* 14(3):368A (#40), 1983.
5. **Shewmon DA**: Maturation of infant seizure patterns as a clue to mechanisms of synchronization in generalized seizures. American EEG Society annual meeting, Salt Lake City, UT, September 13, 1984 (C28). *Electroencephalography and Clinical Neurophysiology* 61(2):28P (#47), 1985.
6. **Shewmon DA**, Erwin RJ: Effect of focal interictal spikes on perception and reaction time. American EEG Society annual meeting, Orlando, FL, October 11, 1985. *Electroencephalography and Clinical Neurophysiology* 64(2):24P (#21), 1986.
7. **Shewmon DA**, Erwin RJ: Effect of focal interictal spikes on perception and reaction time. Western EEG Society annual meeting, Palm Desert, CA, February 28, 1986. *Electroencephalography and Clinical Neurophysiology* 66(1):4P (#9), 1987.
8. **Shewmon DA**, Erwin RJ: Focal spike-induced cerebral dysfunction is related to the after-coming slow wave. Child Neurology Society annual meeting, Boston, MA, October 10, 1986. *Annals of Neurology* 20(3):428-429 (#132), 1986.
9. Chugani HT, **Shewmon DA**, Phelps ME, Mazziotta JC: Refractory neonatal seizures: Determination of local cerebral metabolic rates for glucose (LCMRglc) with 2-deoxy-2[18F]fluoro-d-glucose (FDG) and positron emission tomography (PET). American Academy of Neurology annual meeting, New York, NY, April 7, 1987. *Neurology* 37(Supplement 1):147 (#8), 1987.
10. Phelps ME, Chugani HT, Mazziotta JC, **Shewmon DA**: Refractory neonatal seizures: Use of PET in surgical selection. Society of Nuclear Medicine, 34th annual meeting, Toronto, June 2-5, 1987. *Journal of Nuclear Medicine* 28(4, suppl):646, (#372) 1987.
11. **Shewmon DA**: The critical duration beyond which electrocerebral silence may be considered "irreversible". American EEG Society annual meeting, St. Louis, MO, September 19, 1987. *Journal of Clinical Neurophysiology* 4(3):266-267, 1987.
12. Shields WD, Chugani HT, **Shewmon DA**, Peacock WJ: Focal central nervous system lesions as a cause of infantile spasms. Cleveland Clinic International Symposium on Pediatric Epileptology, May 19-21, 1988. *Cleveland Clinic Journal of Medicine* 56(suppl, pt 2):S-291, 1989.

13. Chugani HT, **Shewmon DA**, Peacock WJ, Shields WD, Phelps ME: Role of positron emission tomography in pediatric epilepsy surgery. Cleveland Clinic International Symposium on Pediatric Epileptology, May 19-21, 1988. *Cleveland Clinic Journal of Medicine* 56(suppl, pt 2):S-273, 1989.
14. **Shewmon DA**, Garfinkel A: Bursts and ictal transitions in neonatal EEGs: An association with pathophysiological implications. Western EEG Society annual meeting, Park City, UT, January 29, 1989. *Electroencephalography and Clinical Neurophysiology* 75(2):6P-7P (#11), 1990.
15. **Shewmon DA**, Olson DM, Krentler KA: Respiration-locked bisynchronous ictal discharges in a premature infant: Further indirect evidence for the existence of brain-stem seizures. Western EEG Society annual meeting, Park City, UT, January 29, 1989. *Electroencephalography and Clinical Neurophysiology* 75(2):7P (#12), 1990.
16. Olson DM, Chugani HT, Peacock WJ, **Shewmon DA**, Mazziotta JC, Phelps ME: Electrocorticographic confirmation of focal positron emission tomography abnormalities. American Academy of Neurology annual meeting, Chicago, IL, April 16, 1989. *Neurology* 39(3, suppl 1):301 (PP395), 1989.
17. Olson DM, Chugani HT, **Shewmon DA**, Peacock WJ, Mazziotta JC, Phelps ME: Electrocorticography in children with intractable seizures and focal abnormalities on positron emission tomography. XVI International Symposium on Cerebral Blood Flow and Metabolism, Bologna, Italy, May 29, 1989. *Journal of Cerebral Blood Flow and Metabolism* 9:S-231, 1989.
18. **Shewmon DA**, Olson DM, Peacock WJ, Chugani HT: Nonepileptiform abnormalities in electrocorticography: utility in pediatric epilepsy surgery. American EEG Society annual meeting, New Orleans, LA, September 23-24, 1989. *Journal of Clinical Neurophysiology* 6(4):337, 1990.
19. **Shewmon DA**, Shields WD, Olson DM, Peacock WJ, Chugani HT: Multifocal independent epileptogenicity in children treated by focal cortical resection. American Epilepsy Society annual meeting, Boston, December 4-6, 1989. *Epilepsia* 30(5):660 (A-11), 1989.
20. Chugani HT, Shields WD, **Shewmon DA**, Peacock WJ, Phelps ME: Infantile spasms: Surgical treatment of focal cortical dysgenesis detected by positron emission tomography. American Epilepsy Society annual meeting, Boston, December 4-6, 1989. *Epilepsia* 30(5):691-692 (D-4), 1989.
21. Chugani HT, **Shewmon DA**, Phelps ME: Infantile spasms: Lenticular nuclei hypermetabolism identified with positron emission tomography (PET). American Academy of Neurology annual meeting, Miami, FL, May 4, 1990. *Neurology* 40(Suppl 1):407 (1060S), 1990.
22. **Shewmon DA**, Altman K, Olson DM, Shields WD: Selective carotid amytal suppression of independent multifocal spikes in children. American Epilepsy Society annual meeting, San Diego, November 11-14, 1990. *Epilepsia* 31(5):653, 1990.
23. Altman K, **Shewmon DA**: Local paroxysmal fast activity: significance interictally and in infantile spasms. American Epilepsy Society annual meeting, San Diego, November 11-14, 1990. *Epilepsia* 31(5):623, 1990.
24. Chugani HT, **Shewmon DA**, Phelps ME: Ictal patterns of cerebral glucose utilization in children with epilepsy. American Epilepsy Society annual meeting, San Diego, November 11-14, 1990. *Epilepsia* 31(5):626, 1990.
25. Shields WD, **Shewmon DA**, Chugani HT, Peacock WJ, Comair Y, Yudovin S, Roper S: Surgical treatment of pediatric epilepsy at UCLA. American Epilepsy Society annual meeting, San Diego, November 11-14, 1990. *Epilepsia* 31(5):652-653, 1990.
26. Gorman DG, Shields WD, **Shewmon DA**, Chugani HT, Peacock WJ, Comair Y: Neurosurgical treatment of medically refractory status epilepticus. American Epilepsy Society annual meeting, San Diego, November 11-14, 1990. *Epilepsia* 31(5):683, 1990.
27. **Shewmon DA**: Ethical implications of fetal neurological development. International Child Neurology Association meeting. Tokyo, November 9, 1990. *Brain & Development* 12(5):567,611-612, 1990.

28. **Shewmon DA**, Holmes GL: Brainstem plasticity in congenitally decerebrate children. International Child Neurology Association meeting. Tokyo, November 8, 1990. *Brain & Development* 12(5):565,664, 1990.
29. CNS Ethics Committee: Ashwal S, Bale JF, Coulter DL, Eiben RM, Garg BP, Hill A, Myer EC, Nordgren R, **Shewmon DA**, Sunder TR, Walker RW: The persistent vegetative state in children: Results of the questionnaire sent to members of the Child Neurology Society. Child Neurology Society annual meeting, Portland, OR, October 3-5, 1991. *Annals of Neurology* 30(3):472-473 (#77), 1991.
30. Chugani HT, **Shewmon DA**, Shields WD, Peacock WJ, Comair Y, Vinters H, Phelps ME: Positron emission tomographic scanning in pediatric epilepsy operation: UCLA experience in 84 patients. Child Neurology Society annual meeting, Portland, OR, October 3-5, 1991. *Annals of Neurology* 30(3):483 (#111), 1991.
31. Chugani HT, **Shewmon DA**, Phelps ME: Interictal and postictal focal hypermetabolism on positron emission tomography. American Epilepsy Society annual meeting, Philadelphia, December 6-10, 1991. *Epilepsia* 32(suppl 3):80, 1991.
32. Gaily EK, **Shewmon DA**: Asymmetric infantile spasms. American Epilepsy Society annual meeting, Seattle, WA, December 7, 1992. *Epilepsia* 33(suppl. 3):6, 1992.
33. Chugani HT, Rintahaka PJ, **Shewmon DA**, Phelps ME: Three patterns of ictal cerebral glucose utilization in children with epilepsy. American Epilepsy Society annual meeting, Seattle, WA, December 8, 1992. *Epilepsia* 33(suppl. 3):55, 1992.
34. Gaily EK, **Shewmon DA**: Relationship between behavior and EEG in asymmetric and/or asynchronous infantile spasms. Western EEG Society annual meeting, Las Vegas, NV, February 11, 1993. *Electroencephalography and Clinical Neurophysiology* 87(5):98P (#11), 1993.
35. Sankar R, **Shewmon DA**, Kevill JW: Sensitivity of electrophysiology in detecting subtle focal cortical dysplasia: correlation with evolution of focal changes in the MRI. American EEG Society meeting, New Orleans, LA, October 11-13, 1993. *Electroencephalography and Clinical Neurophysiology* 91(2):45P (#30), 1994.
36. **Shewmon DA**, Gaily EK: A hierarchical coding system of inter-ictal EEG findings for database purposes. American EEG Society meeting, New Orleans, LA, October 11-13, 1993. *Electroencephalography and Clinical Neurophysiology* 91(2):56P (#87), 1994.
37. **Shewmon DA**, Gaily EK: A hierarchical coding system of ictal EEG and behavior for database purposes. American EEG Society meeting, New Orleans, LA, October 11-13, 1993. *Electroencephalography and Clinical Neurophysiology* 91(2):56P (#88), 1994.
38. **Shewmon DA**: Coding of qualitative EEG topography for clinical databases. American EEG Society meeting, New Orleans, LA, October 11-13, 1993. *Electroencephalography and Clinical Neurophysiology* 91(2):56P (#91), 1994.
39. **Shewmon DA**, Peacock WJ, Sankar R: EEG following functional hemispherectomy: utility and dilemmas in case management. American EEG Society meeting, New Orleans, LA, October 11-13, 1993. *Electroencephalography and Clinical Neurophysiology* 91(2):68P-69P (#154), 1994.
40. The CNS Ethics Committee: Coulter DL, Ashwal S, Garg BP, Leicher CR, **Shewmon DA**, Sunder TR, Zupanc M: Ethical issues in managed and rationed care for children with severe neurological disabilities: Results of a questionnaire sent to members of the Child Neurology Society. Child Neurology Society meeting, San Francisco, October 3-8, 1994. *Ann Neurol* 36(3):510 (#485), 1994.
41. Rintahaka PJ, Wenzel D, **Shewmon DA**, Lee K-H, Sankar R, Shields WD, Phelps ME: Lenticular nuclei (LN) and brainstem (BS) activation on 2-deoxy-2-[^{18}F]fluoro-D-glucose (FDG) positron emission tomography (PET) in patients with intractable infantile spasms (IS). *Epilepsia* 37(Suppl 5):198, 1996.

42. **Shewmon DA**, Peacock WJ: Epilepsy surgery in children with medically controlled seizures and continuous focal interictal discharges: Cognitive and developmental outcomes. 22nd International Epilepsy Congress, Dublin, Ireland, July 2, 1997. *Epilepsia* 38(Suppl 3):169, 1997.
43. **Shewmon DA:** Determinants of survival duration in "brain death". International Child Neurology Association meeting, Ljubljana, Slovenia, September 13-17, 1998. *Brain & Development* 20(6):355-356 (#91), 1998.
44. **Shewmon DA:** Prolonged survival in "brain death": two remarkable cases. International Child Neurology Association meeting, Ljubljana, Slovenia, September 13-17, 1998. *Brain & Development* 20(6):356 (#92), 1998.
45. **Shewmon DA,** DeGiorgio CM, Marcosa MT: Effect of transcutaneous trigeminal nerve stimulation on interictal spikes. American Epilepsy Society meeting, Boston, MA, December 5-10, 2003. *Epilepsia* 44(Suppl 9):328 (#2.447), 2003.

PRESENTATIONS AND PUBLICATIONS FOR THE GENERAL PUBLIC

1. "The 'Baby Doe' issue." Panelist for channel-18 television production. Los Angeles, CA, October 20, 1983.
2. Guest speaker on the Renee Mathis talk show, concerning active euthanasia. KNWZ Radio (1270 AM), Palm Desert, June 30, 1987.
3. Guest panelist on "Seniors Speak Out" (topic: euthanasia). KPBS TV, San Diego, November 22, 1987.
4. Rothenberg LS, **Shewmon DA**: Anencephalic infants: means to an end or ends in themselves? No life should be traded for another. (invited editorial) Los Angeles Times, December 10, 1987, Part II, p. 11.
5. Invited guest on the "Today Show," TV channel 4, December 15, 1987, concerning anencephalic infants.
6. A physician's perspective on active euthanasia. Conference on Euthanasia, sponsored by the Human Dignity Institute. San Diego, March 12, 1988.
7. **Shewmon DA**: The dilemma of anencephalic organ donation. Chatelaine (Canada), May, 1988, pp. 65,68. Reprinted with permission in Prose: Short Forms. Ontario, Canada, Prentice-Hall, 1990.
8. Interviewed for documentary film: Ethical issues surrounding the withdrawal of nutrition and hydration. Produced by Advocates for Better Care, directed by Catherine S. Chuplis. March, 1989.
9. Interviewed on "The Health Show," concerning pediatric epilepsy surgery and brain plasticity. ABC television, channel 7, October 15, 1989, 10:30 am.
10. Panelist on "Can you say no? Prolonging Life Decisions." CTNA Telecommunications. Washington, DC, April 19, 1990.
11. **Shewmon DA**: Should anencephalics be organ donors? (Point/Counterpoint) *Physician's Weekly* 8(34):1, (September 9) 1991.
12. Interviewed on German radio concerning persistent vegetative state. Deutschlandfunk, January 20, 2002.
13. Interviewed for German public radio concerning brain death. Berlin, March 21, 2012.
14. Interviewed for German electronic newspaper "Schattenblick" concerning brain death. Berlin, March 21, 2012. Article appeared April 7, 2012.
    http://www.schattenblick.de/infopool/medizin/report/m0ri0001.html

D. ALAN SHEWMON, M.D.
Professor Emeritus of Neurology and Pediatrics
David Geffen School of Medicine at UCLA

OLIVE VIEW-UCLA MEDICAL CENTER
14445 Olive View Drive, Room 2C136
Sylmar, CA 91342-1437
TEL: (818) 364-3104
FAX: (818) 364-3286
ashewmon@mednet.ucla.edu

Declaration of D. Alan Shewmon, M.D.

I, Doctor D. Alan Shewmon, do hereby submit this declaration freely, and I have, unless otherwise stated, personal knowledge by review of MRI/MRA studies, records, and reports, as well as viewing two videos of Jahi McMath moving her body parts (foot and arm) following her mother's commands and having discussions with Dr. Calixto Machado, a world renowned expert on brain death, and Dr. Philip DeFina, a neuroscientist with the International Brain Research Foundation. I am competent and prepared to testify as to the below opinions and conclusions if called upon to do so.

Dear Mr. Dolan:

As you know, I am a pediatric neurologist with triple board certification: in Pediatrics, Neurology (with special competence in child neurology), and Electroencephalography. I have had a particular interest in brain death and have published and lectured extensively on the topic, nationally and internationally. I recently retired as Professor of Neurology and Pediatrics at the David Geffen School of Medicine at UCLA and Chief of the Neurology Department of Olive-UCLA Medical Center (a county hospital affiliated with UCLA), while remaining clinically active. My CV provides further details regarding my qualifications to comment on the case of Jahi McMath.

Based on the materials that you have provided to me so far, I can assert unequivocally that Jahi currently does not fulfill diagnostic criteria for brain death. The materials include extensive medical records from St. Peter's University Hospital, which I am still in the process of reviewing, videos of Jahi moving her hand and her foot in response to verbal requests by her mother, images from an EEG done in her apartment on 9/1/14, images of a brain MRI scan done at Rutgers on 9/26/2014, and heart rate variability analysis by my colleague Dr. Calixto Machado based on the EKG channel from the 9/1/14 EEG. I have also spoken by phone with Drs. Machado and DeFina regarding their recent observations of Jahi and the findings of a second EEG done at Rutgers on 9/26/14, which I have not yet received for review.

Jahi does not currently fulfill criteria for brain death on several grounds. First and foremost, the videos and the personal testimonies to me of several trustworthy witnesses of her motor

responsiveness (yourself, Drs. DeFina and Machado) leave no doubt that Jahi is conscious, and can not only hear but can even understand simple verbal requests ("move your hand," "move your foot," even "move your thumb") and make appropriate motor responses. Thus, the very first of the "three cardinal findings in brain death," according to the American Academy of Neurology's Practice Parameters for Determining Brain Death in Adults (and all other diagnostic criteria for brain death that have ever been proposed, for that matter) – namely "coma or unresponsiveness" – is not fulfilled.

The recent video of her hand movement to command makes clear that the movement is not a spinal reflex that merely coincidentally happened shortly after the verbal command; the quality of the movement has the appearance of volition and is inconsistent with a spinal reflex. Moreover, the motor responsiveness is reliably reproducible; the movements do not merely occur at random, unrelated to the verbal commands, with some rare temporal coincidence serendipitously caught on video and selectively held up as evidence. I am convinced of this after having seen several videos taken on different occasions and heard the testimony of witnesses (yourself, Drs. Defina and Machado) of the same kind of responsiveness at other times when no video was being recorded. Finally, the movements are specific to the part of the body mentioned in the verbal request. Such motor responsiveness is extremely surprising, given Jahi's history, but it has been documented so many times now that it cannot be denied. This alone, even if there were no additional evidence (which there is), proves that she is not brain dead, not even comatose, but very severely disabled.

The heart rate variability analysis by Dr. Machado provides objective corroborating evidence that Jahi not only has spontaneous modulation of heart rate by the autonomic nervous system (such variability should be completely absent in brain death), but even more impressively that her heart rate changes in response to her mother's voice. This is hard evidence of auditory processing by the brain, if not also of registering of the emotional valence of those auditory signals and frank conscious awareness of them, and it is not a matter of interpretation.

The medical and nursing records document that some months after the formal diagnosis of brain death, Jahi underwent menarche; she recently had her second menstrual period approximately a month or so after the first. The female menstrual cycle involves hormonal interaction between the hypothalamus (part of the brain), the pituitary gland, and the ovaries. Corpses do not menstruate. Neither do corpses undergo sexual maturation. Neither is there any precedent in the medical literature of a brain-dead body beginning menarche and having regular menstrual periods. Hypothalamic function is a brain function, and California's statutory definition of death by neurological criteria requires irreversible absence of *all* brain functions, so even apart from her responsiveness, she would not fulfill the statutory definition of death on the basis of hypothalamic function. (This is not to imply that her hypothalamus is functioning normally: it is not. The point is that there is some preserved hypothalamic function, and a rather remarkable one at that.)

Regarding Jahi's EEG, I am at a disadvantage in not having received yet the EEG disk from Rutgers before you need this declaration. Dr. Machado was present while it was being run, and he assured me that it showed low voltage electrical activity (in contrast to EEGs in brain death,

which should be isoelectric (flat)). I have seen some images (screen shots) of the EEG done in her apartment by Elena Labkovsky, Ph.D., and concerning this I am also at a disadvantage in not having the full raw data to examine. Nevertheless, apart from some obviously artifactual waveforms, which are common in such recordings, there appears to be genuine electrocerebral activity, as described in greater detail in her report and in Dr. Machado's independent declaration. Although the AAN Practice Parameters do not require a flat EEG to make the diagnosis of brain death, Jahi's original diagnosis in Oakland was in fact reinforced by an EEG that was reported to be isoelectric. Thus, with the passage of time, her brain has recovered the ability to generate electrical activity, in parallel with its recovery of ability to respond to commands. A dead brain cannot spontaneously recover electrical function.

Jahi's recent MRI scan shows vast areas of structurally preserved brain, particularly the cerebral cortex, basal ganglia and cerebellum. There is major damage to the corpus callosum and the brainstem, particularly the pons, corresponding to the severe brainstem dysfunction that has been documented in her progress notes from St. Peter's. By contrast, the relative integrity of the cerebral cortex no doubt underlies her ability to understand language and to make voluntary motor responses. I have had personal experience with three chronic brain death cases with MRI or CT scans done after one or more years in that state. The scans showed the brains to be totally liquefied, after such a long time with no blood flow (two of the patients also had blood flow studies at the time, which confirmed persistent absence of intracranial blood flow). Jahi's MRI scan, nearly 10 months after her tragic anoxic-ischemic event and diagnosis of brain death, does not even vaguely resemble those chronic brain death scans. Her brain is not dead and necrotic, but much of it is structurally intact. Her MR angiogram also demonstrates intracranial blood flow, which could have been inferred anyway, since the intact brain tissue implies blood flow sufficient to keep it alive.

Clearly Jahi is not currently brain dead. Yet I have no doubt that at the time of her original diagnosis, she fulfilled the AAN diagnostic criteria, correctly and rigorously applied by the several doctors who independently made the diagnosis then. That diagnosis was even backed up by two ancillary tests: an EEG that was reportedly isoelectric and a radionuclide scan that reportedly showed no intracranial blood flow. A likely explanation for the discrepancy (in fact the only explanation I can think of) is that (1) the standard clinical diagnostic criteria are not as absolutely, 100% reliable as commonly believed, and (2) radionuclide blood flow studies are not sensitive enough to distinguish *no* flow from *low* flow – in technical terminology, from ischemic-penumbra-level flow, i.e., flow that is too low to support brain functioning but just enough to maintain tissue viability.

Over a decade ago the Brazilian neurologist Cicero Coimbra proposed the idea of "global ischemic penumbra" (extending a concept from the field of stroke to the whole brain) as a condition of marginal cerebral blood flow that in principle could mimic clinical brain death in every respect, yet the brain is not dead, and some of its suppressed functions are potentially recoverable. Up to now this has remained a plausible but unproved hypothesis. Jahi has now proved that it can occur in clinical reality. I believe that it is the only possible explanation for the discrepancy between her original fulfillment of the brain death criteria and her current lack of their fulfillment.

Regardless of the explanation, the fact remains that Jahi currently does not fulfill brain death diagnostic criteria. She is an extremely disabled but very much alive teenage girl.

Signed this 3rd day of October, 2014, in Los Angeles California under penalty of perjury,

D. Alan Shewmon, MD
Professor Emeritus of Neurology and Pediatrics
David Geffen School of Medicine at UCLA

Christopher B. Dolan, Esq. (SBN 165358)
Aimee E. Kirby, Esq. (SBN 216909)
THE DOLAN LAW FIRM
1438 Market Street
San Francisco, California 94102
Tel: (415) 421-2800
Fax: (415) 421-2830

Attorneys for Plaintiff
LATASHA WINKFIELD

SUPERIOR COURT OF CALIFORNIA
COUNTY OF ALAMEDA

LATASHA WINKFIELD, an individual parent and guardian of Jahi McMath, a minor Plaintiff, v. CHILDREN'S HOSPITAL & RESEARCH CENTER AT OAKLAND, Dr. David Durand M.D. and DOES 1 through 10, inclusive Defendants.	Case No. PR13-707598 DECLARATION OF CALIXTO MACHADO, M.D., PhD, IN SUPPORT OF PLAINTIFF'S WRIT OF ERROR CORAM NOBIS AND REQUEST REVERSE JUDICAL DETERMINATION OF BRAIN DEATH OF JAHI MCMATH

I, Calixto Machado, M.D., declare as follows:

1. I make this Declaration of my own Personal Knowledge in Support of Plaintiff's request to have Jahi McMath declared non-brain dead. If called to testify, I could testify to the following:

2. Attached to this Declaration is a true and correct copy of my Curriculum Vitae as Exhibit "A." It is incorporated herein, is made of my own personal knowledge and constitutes a Business Record under the California Evidence Code. Exhibit B is a copy of my report which is brief because of my travel back to Havana and the short window of time to fully examine and

interpret the medical evidence. I stand behind my opinion but anticipate writing a longer, more comprehensive, report for this interesting and potentially groundbreaking case.

3. In 1976, I graduated from the University of Havana School of Medicine. I completed my Residency Program at the Institute of Neurology from 1977-1980. I then went on to complete my First Degree of Board Certification in Neurology at the Institute of Neurology in 1980. I followed my First Degree of Board Certification in Neurology with my Second Degree of Board Certification in Neurology at the Institute of Neurology in 1987. I also graduated as a PhD in 1992.

4. Currently, I am a Senior Professor and Researcher in Neurology and Clinical Neurophysiology at the Institute of Neurology and Neurosurgery. I am the President of the Cuban Commission for the Determination and Certification of Death, and President of the Cuban Society of Clinical Neurophysiology. I lead this Commission which wrote the Cuban Law for or the Determination and Certification of Brain Death. I am a Corresponding Fellow of the American Academy of Neurology since 1992.

5. I have been published over two hundreds (200) times and have received numerous awards in my field. I was honored by the American Academy of Neurology Lawrence McHenry Award in 2005, because of my research *"The first organ transplant from a brain-dead donor"*.

6. I was originally asked by Phil DeFina, PhD, of the International Brain Research Foundation (IBRF), to review EEG and MRI studies. The EEG studies were given to me anonymously, meaning that I did not know the patient's name or that the patient was Jahi McMath. Dr. Defina asked me to review the EEG of a brain injured patient, which I did, and then respond to the question of whether she was "brain dead."

7. I must affirm that I am a defender that brain death means death of the human being, and it is a

state with no hope of recovery. Moreover, I am a Corresponding Fellow of the American Academy of Neurology (AAN), and I consider that AAN Criteria for Brain Death Diagnosis represent one the most outstanding and reliable Guidelines in the world for confirming the diagnosis of brain death. The AAN Guidelines emphasized that *"Brain death is a clinical diagnosis"*. Nonetheless, this report also emphasized that "*A confirmatory test is needed for patients in whom specific components of clinical testing cannot be reliably evaluated*" (Neurology 1995;45:1003-1011). I was unable to make a clinical examination of this case, because I don't have the US license medical license. This patient presented a brainstem lesion, probably due to a herniation syndrome that frequently occurs when edema after a post-anoxic encephalopathy (Cardio-respiratory arrest) incites conflict of intracranial space. This is a specific clinical condition when a confirmatory test is recommended.

8. I only worked as a volunteer IBRF international expert consultant, examining confirmatory tests of the patient.

9. I was not involved in her initial evaluation, and I don't know any data from her clinical and ancillary tests assessment performed in January 2014. Hence, I cannot give any opinion about that first evaluation, because I only knew about the patient from the US press. I only recently was able to evaluate the confirmatory tests presented to me, and my expert opinion is only based on this newly data I could review.

10. I reviewed and confirmed that the EEG undertaken by Elena Labkovshp, PhD was performed in accordance with Minimum Technical Standards for EEG Recording in Suspected Brain Death (American Clinical Neurophysiology Society).

11. It is my opinion as an expert in brain death that the EEG Record shows:

a. The neurophysiological data is not consistent with the classical EEG isoelectric pattern found in brain-dead cases.

b. Although there were EKG artifacts in derivations, I can appreciate the presence of low voltage EEG true activity.

c. Although the EEG records show the presence of some artifacts, due to patient head and body movements of electrodes, I can see the existence of EEG activity with a prevalence of diffuse Delta, with superimposed activity within the Alpha and low Beta ranges.

d. Some intermittent Delta and Theta activity is present in a random pattern. The Technologist assured that the electrodes did not have any contact with the ventilator hoses, which might account for artifacts simulating EEG activity.

e. In conclusion, the neurophysiological data derived from this assessment, confirms the preservation of true EEG bioelectrical activity in this case.

12. I processed, with my group in Cuba, the Heart Rate Variability Measurements to access the central autonomic nervous system.

13. I personally oversaw the undertaking of a MRI/MRA done at Rutgers University on September 30, 2014, using all conventional sequences (i.e., T1, T2 in different axis, MRA, Fractional Anisotrpy, etc.).

14. Attached as Exhibit "B" is a true and correct copy of my report prepared after my review of the diagnostic tests and, additionally, information regarding the onset of menarche in this teen age girl.

15. The MRI shows that the subject had suffered a serious brain injury. It is possible to observe ribbons at the level of the cortex, indicating preservation of neocortex. Had she been brain dead without cerebral blood flow since January of 2014, we would not expect to see the structure of the brain to be as it is now; it would have, most likely, liquefied. This brain did not liquefy, but has maintained tissue structure. This is in fact for me the most important finding in

this case to deny that she is brain-dead, because considering the concept of brain death (BD), that per definition an irreversible absence of cerebral blood flow (CBF) should be present, in this case, with more than 9 months of evolution with the possible diagnosis of BD, I would have expected to find the classic description of the "respirator brain" (brain liquefied, without any nervous system structure, etc.). Although recently Eelco Wijdicks et al. described that there is no specific anatomo-pathology findings in brain-dead cases, and that *"respirator brain"* no longer exists in BD, this is due to the fact that diagnosed brain-dead cases are usually kept under respirator for hours or a few days, prompted by organ retrieval protocols, or because life support is removed.

16. In the MRA sequence, done without contrast, it was possible to show slow but intracranial cerebral blood flow.

17. In my analysis of the patient's heart rate variability (HRV), there are remaining spectra in the very low (VLF), low (LF), and median frequencies (MB) bands. Also, the frequency of the ventilator is present, but it is possible to observe modulations of amplitude in this peak, which do not only correspond with the ventilator effect. This suggests the preservation of functional modulation of HRV by the autonomic nervous system from structures located at the brainstem.

18. I observed the HRV spectra during three experimental conditions: Basal Record, Photostimulation, and "Mother talks to the patient." Based on the empirical date provided to me, I confirmed that there are clear dynamic changes when comparing the three different conditions, indicating an effect of these stimuli to the modulation of the central autonomic nervous system. In plain language, the HRV showed she had an emotional content response to the voice of her mother.

19. It is my opinion, as one who is a defender of brain death, and who believes that brain death does occur, and can be confirmed through testing of the type conducted on Jahi McMath, that this patient DOES NOT ACTUALLY FULFILL THE BRAIN DEATH CRITERIA AND

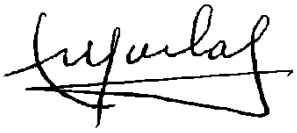
HENCE SHE IS NOT BRAIN DEAD, considering the whole brain criteria of BD.

20. The videos I have seen, showing the movement of Jahi's foot and hand at the request of her mother are significant in that there is a request followed, shortly thereafter, by the requested response. I have seen that the patient responded and then was asked by her mother to respond, again, harder, and in a short span thereafter, the patient did as she was requested. I was able to see that during those videos, the patient did not receive any other stimuli like touching her, or even without the effect of external equipment like a fan or an air conditioner.

21. I have been informed that the patient has entered menarche and has had a menstrual cycle. I have made a literature review in PubMed, and I have not found any report of a menarche appearance in a brain-dead case.

22. I have attached as Exhibit C a power point presentation which I am prepared to give which supports my opinion. I am also doing a 3D modeling but time has not permitted me to finish this as of now.

I declare under the penalty of perjury under the laws of the State of California that the forgoing is true and correct. Signed October__05__, 2014, in ___Havana_____, Cuba_____.



_____

Calixto Machado, M.D.

Christopher B. Dolan, Esq. (SBN 165358)
Aimee E. Kirby, Esq. (SBN 216909)
THE DOLAN LAW FIRM
1438 Market Street
San Francisco, California 94102
Tel: (415) 421-2800
Fax: (415) 421-2830

Attorneys for Plaintiff
LATASHA WINKFIELD

SUPERIOR COURT OF CALIFORNIA
COUNTY OF ALAMEDA

LATASHA WINKFIELD, an individual parent and guardian of Jahi McMath, a minor

Plaintiff,

v.

CHILDREN'S HOSPITAL & RESEARCH CENTER AT OAKLAND, Dr. David Durand M.D. and DOES 1 through 10, inclusive

Defendants.

Case No. PR13-707598

DECLARATION OF CHARLES J. PRESTIGIACOMO, M.D., IN SUPPORT OF PLAINTIFF'S WRIT OF ERROR CORAM NOBIS AND REQUEST FOR REVERES OF JUDICIAL DETERMINATION OF BRAIN DEATH OF JAHI McMATH

I, Charles J. Prestigiacomo, M.D., declare as follows:

1. I am a Board Certified Physician in Neurological Surgery . I make this declaration of my own personal knowledge in support of Plaintiff's Petition regarding the status of Jahi McMath concerning brain death.

2. Attached to this Declaration is a true and correct copy of my Curriculum Vitae as Exhibit "A." It is incorporated herein, is made of my own personal knowledge and constitutes a Business Record under the California Evidence Code.

3. In 1993, I graduated from the Columbia University College of Physicians and

Surgeons. I then went on to complete my Residency in Neurological Surgery at the Neurological Institute of New York, Columbia-Presbyterian Medical Center. I followed my Residency with a fellowship in Endovascular Neurosurgery at Beth Israel Medical Center, New York, Institute of Neurology and Neurosurgery, Center for Endovascular Surgery.

4. Currently, I am a Professor in the Department of Neurological Surgery and Radiology, at the New Jersey Medical School. I am also the Director of Cerebrovascular and Endovascular Neurosurgery at the University Hospital, and the Program Director of the Neurosurgical Residency Program at the New Jersey Medical School. Lastly, I am a Research Professor in the Department of Biomedical Engineering at the New Jersey Institute of Technology.

5. I have reviewed the following material: (1) the MRI of Jahi McMath's Brain, (2) the MRA of Jahi McMath's Brain both conducted at University Hospital.

6. I have the following opinions to a reasonable degree of medical certainty and probability:

7. The brain structure evidenced in the MRI is not consistent with an MRI of a patient that has been brain dead over nine (9) months.

8. The MRA shows that there is intracranial blood flow which is inconsistent with the standard definition of brain death imaging (REFERENCE)

9. Based on my review of the testing performed on Jahi McMath it is my opinion that she has suffered a very significant brain injury which will most certainly lead to permanent and severe brain damage however, it is my opinion that, at present, she does not meet the imaging criteria for brain death

10. I declare under the penalty of perjury under the laws of the State of California that the forgoing is true and correct.

11. Signed October 8, 2014, in Newark, NJ.

Charles J. Prestigiacomo, M.D.

Christopher B. Dolan, Esq. (SBN 165358)
Aimee E. Kirby, Esq. (SBN 216909)
THE DOLAN LAW FIRM
1438 Market Street
San Francisco, California 94102
Tel: (415) 421-2800
Fax: (415) 421-2830

Attorneys for Plaintiff
LATASHA WINKFIELD

SUPERIOR COURT OF CALIFORNIA
COUNTY OF ALAMEDA

LATASHA WINKFIELD, an individual parent and guardian of Jahi McMath, a minor Plaintiff, v. CHILDREN'S HOSPITAL & RESEARCH CENTER AT OAKLAND, Dr. David Durand M.D. and DOES 1 through 10, inclusive Defendants.	Case No. PR13-707598 DECLARATION OF PHILIP DEFINA, Ph.D., IN SUPPORT OF PLAINTIFF'S WRIT OF ERROR CORAM NOBIS AND REQUEST FOR REVERES OF JUDICIAL DETERMINATION OF BRAIN DEATH OF JAHI McMATH

I, Philip DeFina, Ph.D., declare as follows:

1. I am an adult natural person and I make this declaration of my own personal knowledge in support of Plaintiff's Petition regarding Jahi McMath's status as living or brain dead. If called upon to testify, I could testify to the following which are matters known to me personally:

2. Attached to this Declaration is a true and correct copy of my Curriculum Vitae as Exhibit "A." It is incorporated herein, is made of my own personal knowledge and constitutes a Business Record under the California Evidence Code.

3. In 1978, I received by Bachelors of Arts in Psychology and in 1980 I received my Masters in Psychology from the New York University. In 1995, I went on to receive my Ph.D. in Clinical Psychology form the Fielding Graduate Institute.

4. I am a Diplomat of the American Board of School Neuropsychology.

5. Currently I am a Research Assistant Professor, in the Department Psychiatry, at New York University. I was previously appointed the Director of Neuropsychology for the Fielding Graduate Institute for Rehabilitation

6. Previously I have been a professor at the New York University School of Medicine.

7. Previously I served as the Chief Consultant for the Severe Disorders of Consciousness Program at the Kessler Institute for Rehabilitation.

8. Previously I have been a Guest Researcher at the National Institute of Mental Health (NIMH) Laboratory of Clinical and Experimental Neuropsychology.

9. I am also the Chief Scientific Officer for the International Brain Research Foundation (IBRF), a Non-Profit Organization which works extensively with brain damaged individuals, including those described as brain dead. The IBRF has an FDA approved protocol for treating people with disorders of consciousness.

10. Through the IBRF I have been involved in conducting research, as the Principal Investigator, into The Disorders of Consciousness Advanced Care Protocol pursuant to a $6,400,000.000 grant from the Department of Defense.

11. I have reviewed the following material: (1) the MRI of Jahi McMath's brain, (2) the MRA of Jahi McMath's brain and (3) the EEG testing preformed on Jahi.

12. As a neuroscientist I have worked collaboratively with physicians, electro encephalographers, and other neuroscientists in evaluating and diagnosing severe disorders of consciousness and brain death. As part of my research and teaching, I have significant experience

in reviewing EEG's, MRI's, CT scans, etc. I have participated in numerous multi-disciplinary teams which have diagnosed and treated people who suffer from severe disorders of consciousness. I understand the definition of brain death as the total and irreversible cessation of all neurological activity, including in the brain stem.

13. Through my research I am familiar with how brain death affects the brain structure over time.

14. I was present during Jahi McMath's recent diagnostic MRI and EEG testing and I have personally reviewed the same. I have also had the opportunity to discuss Ms. McMath's diagnostic testing and her past medical history with many other doctors including Dr. Charles Prestigiacomo, Chair, Department of Neurological Surgery Rutgers New Jersey Medical School, Dr. Calixto Machado, Chair of the Department of Clinical Neurophysiology from the Institute of Neurology and Neurosurgery in Havana Cuba, Dr. Allen Shewmon, Former Chief of the Neurology Department of Olive-UCLA Medical Center, and Elena Labkovsky PhD., expert in Clinical Electroencephalography and QEEG and currently a Research Associate, Department of Psychology, Institute for Neuroscience, Northwestern University

15. I personally have seen only one other case such as Jahi McMath's wherein a person pronounced brain dead, and confirmed by more than five (5) United States Doctors was, with more sensitive testing, of the type preformed on Jahi McMath, found at a date remote from the insult to the brain, determined to have activity in the brain. That individual has been treated through the IBRF using an FDA approved protocol for brain death patients and shown improvement in her state of altered consciousness. That patient was recently the subject of a peer-reviewed poster publication.

16. I personally became involved in the Jahi McMath case earlier this year when I was contacted by Christopher Dolan who told me that he had a pediatric patient as a client who had

suffered severe blood loss, a loss of oxygen to the brain and had been pronounced brain dead. He indicated that he wanted to see if the IBRF could help in any way. It is my understanding that Children's Hospital Oakland would not permit any doctor not already credentialed and with privileges to come in and examine Jahi or to provide her treatment. I therefore told Mr. Dolan that I could not provide much in the way of assistance. Mr. Dolan asked me if I knew of any facilities that might accept Jahi and I made an inquiry. I was unable to assist him and thought that matter would, unfortunately, be resolved by the death of Jahi McMath which is how most of these cases end up: a pronouncement of brain death, a very short window for families to prepare themselves, then removal of the ventilator.

17. Following discharge from Children's Hospital Oakland, the IBRF kept in touch with Mr. Dolan and the McMath family offering information and support wherever possible. Mr. Dolan informed me that Jahi was in New Jersey and reached out to the IBRF again to see if we might be of assistance in evaluating and/or providing the IBRF treatment protocol to Jahi. We were unable to do so until just recently when Jahi was discharged from the hospital. I did, however, suggest to Mr. Dolan that he have his clients try and capture movements which the family indicated were being undertaken by Jahi in response to her mother's direction/command.

18. After Jahi's discharge from the New Jersey hospital, I arranged to have her undergo a series of sensitive tests to determine if she was brain dead or not. The IBRF undertook these tests as a humanitarian effort to assist Ms. Winkfield in deciding what future course of care she would take with her daughter. Ms. Winkfield had reported activity with Jahi that was inconsistent with the declaration of brain death such as purposeful movement of her extremities following command by her mother to do so. Additionally, if indeed Jahi, who had been pronounced brain dead 8 months prior, had brain structure and was responding then I knew this could provide a great contribution to science in developing a better understanding of brain death.

19. Before undertaking extensive and expensive testing, I used a BIS monitor to determine if Jahi demonstrated any activity that could indicate that she may have brain function. A BIS monitor is used during surgery when a patient is under anesthesia to determine their level of consciousness. This is important, as you do not want to have the patient in an elevated level of consciousness where they may experience pain. The BIS monitor indicated that there was activity of some sort in Jahi's brain.

20. I then arranged to have Dr. Labkovsky undertake a detailed EEG readings using very sensitive modern equipment. I felt this was important as I wanted to make sure that the BIS monitor findings were not errant.

21. Dr. Labkovsky undertook this examination in early September. Mr. Dolan was present and photographed the method and manner in which the electrodes were attached and how the equipment was set up to reduce the possibility of any artifacts coming from the ventilator and the other electronics in the room. This test was also preformed to see if further testing, using MRI /MRA was warranted.

22. I myself witnessed the EEG testing. I am familiar with the methods commonly practiced within the community of scientists, doctors and EEG technicians for the administration of these tests. I have participated in numerous such exams as an independent witness. I saw evidence of brain activity, not brain artifacts, in the EEG. One of the most poignant moments was when Nailah Winkfield came into the room and spoke to her daughter saying words to the effect of; "Jahi you need to help me, these people think you are brain dead, I need you to help me show them that you are not." She then began crying and, at that point, the electrical activity in Jahi's brain, as described more fully in Dr. Labkovsky's and Dr. Marchado's reports, was readily identifiable and profound. I had seen video of Jahi moving on command but this was especially significant as it registered that Jahi had a change in her brain function in response to her mother's

voice.

23. After that testing, I consulted with Dr. Charles Prestigiacomo. I had previously alerted him to Jahi's case and our desire to conduct testing to see if she had intact brain structure to any degree. This is significant because a truly brain dead person with no blood flow to the brain will have their brain liquefy and then there will be no preserved brain structure. He arranged for Jahi McMath to be examined, using Rutgers MRI/MRA, to see if Jahi had brain structure and/or cerebral blood flow.

24. I flew in Dr. Machado to oversee and review these studies. Dr. Machado is a world leader in the field of brain function and brain death. I wanted him present because he is a staunch defender of the concept of brain death and I knew he would have no hesitation to say that Jahi had brain structure or not. If there was no brain structure then the EEG results could not be confirmed as being possible. Quite simply, no brain structure, no brain activity and therefore you have a confirmation of Brain Death.

25. Before the testing, I had counseled Nailah that if the tests showed no brain structure, and/or no EEG activity, she would have to accept the brain death diagnosis as being irreversible. She tearfully agreed and said, "I know she is in there. People say I am crazy but I know she is in there. I am willing to hear the news, I just need to know."

26. I personally was present at the time of the MRI/MRA at all times. I witnessed Jahi being placed into the MRI and I agreed with Dr. Machado that the best results would be obtained with 1 millimeter slices for the greatest accuracy. Mr. Dolan requested that he be allowed to have the examination documented photographically which after the signing of much legal paperwork, such permission was granted.

27. The MRI/MRA exam was very thorough and lasted approximately one hour.

28. As the exam was underway Dr. Machado, the MRI tech and I watched the results

on a computer monitor. We unequivocally saw the presence of brain structure including the evidence of ribbons in the brain. This is critical as it showed that the brain, although damaged, was there structurally. Given that it had been nine months since she was declared brain dead I would have expected to see her brain had liquefied. It clearly was not.

29. Additionally we looked for evidence of blood flow. We did not use contrast as Jahi had been out of a hospital setting and we had not done a complete blood workup and we had a limited window to use the MRI. Blood flow was clearly evident. This does not happen if a patient is brain dead.

30. I am also aware that Jahi has entered puberty with the onset of menarche. She has also now had a regular cycle. This onset is as recent as several months ago. This does not happen if there is the total and irreversible cessation of all neurological function. The hypothalamus and pituitary must be functioning to have this occur. The hypothalamus and pituitary glands are part of the brain. Therefore this means that she is not brain dead.

31. I have seen many videos where Jahi is responding to specific commands by her mother. This is significant when considered in combination with the EEG findings and MRI/MRA. This is indicative of a patient who is not brain dead. Brain dead people do not respond to voice commands.

32. It is my professional opinion as a PhD neuroscientist, who has observed hundreds of Brain Exams, and Brain Death Exams, EEGs and MRIs that Jahi McMath is not brain dead.

33. I do believe that, quite possibly, when Dr. Fischer preformed his exam Jahi was under suboptimal conditions and that her brain swelling could have caused her to fail the EEG and cerebral blood flow exams and to be unable to move as she does today.

34. The fact that Jahi has brain structure and EEG findings could not have been determined previously as I have been informed by Mr. Dolan that the New Jersey facility she was

determined previously as I have been informed by Mr. Dolan that the New Jersey facility she was in did not wish to be drawn into this public controversy and, therefore, would not perform such tests.

I declare under the penalty of perjury under the laws of the State of California that the forgoing is true and correct.

Signed October 2, 2014, in The City of, Hamilton, NJ Country of

Phillip De Fina, Ph.D

Christopher B. Dolan, Esq. (SBN 165358)
Aimee E. Kirby, Esq. (SBN 216909)
THE DOLAN LAW FIRM
1438 Market Street
San Francisco, California 94102
Tel: (415) 421-2800
Fax: (415) 421-2830

Attorneys for Plaintiff
LATASHA WINKFIELD

SUPERIOR COURT OF CALIFORNIA
COUNTY OF ALAMEDA

LATASHA WINKFIELD, an individual parent and guardian of Jahi McMath, a minor

Plaintiff,

v.

CHILDREN'S HOSPITAL & RESEARCH CENTER AT OAKLAND, Dr. David Durand M.D. and DOES 1 through 10, inclusive

Defendants.

Case No. PR13-707598

DECLARATION OF IVAN MIKOLAENKO, M.D., IN SUPPORT OF PLAINTIFF'S WRIT OF ERROR CORAM NOBIS AND REQUEST FOR REVERES OF JUDICIAL DETERMINATION OF BRAIN DEATH OF JAHI McMATH

I, Ivan Mikolaenko, M.D., declare as follows:

1. I am a Board Certified Physician in Neurology with a subspecialty fellowship training and certification in NeuroCritical Care also known as a neurointensivist. I make this declaration of my own personal knowledge in support of Plaintiff's Petition regarding the status of Jahi McMath concerning brain death.

2. Attached to this Declaration is a true and correct copy of my Curriculum Vitae as Exhibit "A." It is incorporated herein, is made of my own personal knowledge.

3. I obtained my medical education from Bukovynian State Medical University in Western Ukraine. Following graduation I was a research assistant at the University of Alabama in Birmingham, Alabama and then post doctorate fellow in the Department of Neurology at Johns Hopkins School of Medicine, Baltimore, Maryland. I then continued my clinical training as an intern at the Department of Internal Medicine at the University of Tennessee in Memphis and later as a resident at the Department of Neurology at the University of Tennessee in Memphis. I finished my neurology training as a senior resident at the Case Western Reserve University School of Medicine in Cleveland, Ohio. After graduating from Case Western University I became a clinical fellow and a neurology instructor in the Department of Neurology and Neurosurgery, Division of Neurocritical Care at the University of Virginia in Charlottesville, Virginia. I am a member in good standing of the American Academy of Neurology, the Neurocritical Care Society, and Johns Hopkins Medical and Surgical Association. I am on the Peer Review Committee for papers submitted to the Neurocritical care Journal.

4. I have affiliations with the following hospitals: Winthrop University Hospital in Mineola, NY, South Nassau Communities Hospital; North Shore University Hospital; Huntington Hospital; Glen Cove Hospital; Syosset Hospital; Long Island Jewish Medical Center; and Mercy Medical Center

5. I have reviewed the following material: (1) the MRI slide of Jahi McMath's Brain from Dr. Calixto Machado report, (2) the MRA slide of Jahi McMath's Brain from Dr. Calixto Machado report and; (3) the EEG report of Jahi's brain performed by Elena Labkovsky, PhD.

6. I have the following opinions to a reasonable degree of medical certainty and probability:

7. According to the reports I have read Ms. Jahi McMath on December 9th, 2013 suffered massive blood loss and subsequent cardiac arrest after surgery for treatment of sleep apnea. This

event lead to a drop in cerebral perfusion and severe anemia, which caused her brain to be deprived of oxygen (hypoxia) and sugar (hypoglycemia) supply, and subsequently led to critical shortage of energy (energy crisis) for neurons. At the same time decreased blood flow to her brain caused decreased removal of lactic acid and other toxic metabolites, which altogether led to permanent damage of certain areas of her brain. But following global ischemia neurons in her brain did not die suddenly and all at once. Many neurons underwent necrosis and apoptosis (self-destruction), but some survived and recovered some function after brain edema resolved and brain blood flow was restored. This happened most likely due to brain cells selective vulnerability: some neurons are more vulnerable to lack of oxygen and energy than others.

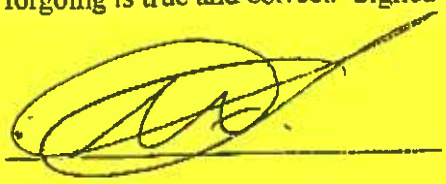
8. The brain structure evidenced in her MRI is not consistent with an MRI of a patient that has been brain dead over nine (9) months. By definition, the so called ``respirator brain`` is non-perfused brain, which develops due to a major global ischemic event and in which cerebral perfusion is not restored. This patient's MRA shows that there is some cerebral blood flow which was restored some time after the event. Also the slide of her brain MRI does not show so called ``liquefied brain", which by definition is brain with necrotic and autolytic (self-destruction) changes, simply sad the sterile decay of the brain that has mostly died while the rest of her body was kept alive. I could not identify complete disintegration of her brain tissue from the slide I saw, and I did not see complete autolysis (enzymatic auto-digestion) which usually ends in liquefaction of brain. Such brain most vital functions should be ceased and there should not be any generation of electrical activity by dead neurons.

9. The EEG done by Dr. Labkovsky and her report shows some electrical brain wave activity.

10. Based on my review of all information submitted to me and of the testing results performed by other expert witness specialists on Jahi McMath, it is my opinion that she without

any doubt has suffered a very significant brain injury which most certainly led to permanent and severe brain damage. However, it is my opinion that she at this time does not meet the criteria for brain death, because she seems to be not in coma anymore as her testing results and some video material showed some evidence of responsiveness to commands

11. I declare under the penalty of perjury under the laws of the State of California that the forgoing is true and correct. Signed October 7, 2014, in Mineola, NY.



IVAN MIKOLAENKO, M.D.

Christopher B. Dolan (SBN 165358)
THE DOLAN LAW FIRM
The Dolan Building
1438 Market Street
San Francisco, CA 94102
Telephone: (415) 421-2800
Facsimile: (415) 421-2830

Attorneys for Plaintiff
LATASHA WINKFIELD

IN THE SUPERIOR COURT OF THE STATE OF CALIFORNIA

IN AND FOR THE COUNTY OF ALAMEDA

UNLIMITED CIVIL JURISDICTION

LATASHA WINKFIELD,

Plaintiff,

v.

CHILDREN'S HOSPITAL, et al.

Defendants.

Case No.: PR13-707598

PETITIONER'S OBJECTION TO THE APPOINTMENT OF DR PAUL FISCHER AS COURT APPOINTED EXPERT

On October 6, 2014, the Court appointed Dr. Paul Fischer, pursuant to Evidence Section 720, as a court expert in this matter that involves brain death. A review of Dr. Fischer's CV indicates that he is not an expert in brain death, he is a very learned scholar and, as shown by his CV, his research and practice focuses not on Brain Death but, instead, on the treatment of brain tumors and pediatric oncology.

Petitioner hereby objects to this appointment as Dr. Fischer has a conflict of interest in this matter. Appointment of Dr. Fischer would create an impression of bias in the eyes of a hypothetical reasonable person. Dr Fischer was the original court expert who opined that Jahi McMath was brain dead. In doing so, he testified that she had "irreversible cessation of all functions of the entire brain,

THE DOLAN LAW FIRM
THE DOLAN BUILDING
1438 Market Street
SAN FRANCISCO, CA 94102
TEL: (415) 421-2800
FAX: (415) 421-2830

including the brain stem." (California Health & Saf. Code, § 7181.) Therefore Dr. Fischer is in a position where he has already sworn that Jahi McMath has suffered an *irreversible* cassation of the entire brain. The appointment of Dr. Fischer puts him in a position where he would have to declare that, perhaps, he was wrong or admit that the evidence presented by Petitioner calls into question the foundation of his assumption. In so far as his previous opinion led to the Court to determining that Jahi need not be kept on a ventilator and, in effect, therefore, that she could have her breathing, and life, irreversibly ended, Dr. Fischer would be seen, in the eyes of a hypothetical reasonable person, to have such an actual bias, in favor of maintaining and defending his earlier decision, so as to undermine confidence in the legal proceedings now before the court.

The Court is putting Dr. Fischer in the position where Dr. Fischer is being called upon to testify as to what the standard is for determining brain death (akin to determining the law within the medical community) as well as being the finder of fact as to whether that standard has been met. Therefore he sits in position akin to being that of both judge and jury. Under California law he would be precluded from acting in either capacity given his prior involvement with the decision which is directly at issue in this case.

The Code of Civil Procedure, as it relates to grounds for disqualification of jurors, provides guidance in determining whether Dr. Fischer should be placed in the position of court appointed expert. California Code of Civil Procedure allows for challenge for cause of a potential juror based on implied bias. C.C.P. § 225 indicates that challenges may be made to a juror for implied or actual bias. (C.C.P. §225 (B) & (C). C.C.P § Section 229 states in relevant part, "A challenge for implied bias may be taken for one or more of the following causes, and for no other: (f) [h]aving an unqualified opinion or belief as to the merits of the action founded upon knowledge of its material facts or of some of them. Here Dr. Fischer has demonstrated that he has an both an actual and implied bias by expressing an unqualified opinion that Jahi McMath is irreversibly brain dead. No confidence will be given to the petitioner, or to the public, to have him act as an "independent" expert in this case to evaluate his own determination.

We can likewise look to the Code of Civil Procedure § 170.1, disqualification of judges, for support that Dr. Fischer should be disqualified as a person aware of the facts might reasonably

THE DOLAN LAW FIRM
TRIAL LAWYERS
THE DOLAN BUILDING
1438 Market Street
SAN FRANCISCO, CA 94102
TEL: (415) 421-2800
FAX: (415) 421-2830

entertain a doubt that the Dr. Fischer would be able to be impartial. (See C.C.P. §170.1(6)(iii).) This standard involves an objective test as to whether a reasonable member of the public at large, aware of all facts, would fairly entertain doubts concerning judge's impartiality. (See Briggs v. Superior Court (2001) 87 Cal.App.4th 312.)

Evidence Code § 780 states that the court, in considering the credibility of a witness, can consider any matter that has any tendency in reason to prove or disprove the truthfulness at the hearing including but not limited to the existence of a bias, interest or other motive. (Evidence Code § 780 (I).) Here Dr. Fischer has a bias in favor of his previous conclusions in such a manner as to disregard new incontrovertible evidence.

Conclusion

Petitioner's objection to the appointment of Dr. Fischer should be granted given the fact that a reasonable people from the public at large, aware of all the facts, would entertain doubt as to Dr. Fischer's impartiality. His conflict of interest and actual bias should lead to him being disqualified as an expert in the interests of justice and to promote confidence within the legal system.

Electronically signed this 7th day of October, 2014

Christopher B Dolan Esq.

THE DOLAN LAW FIRM
THE DOLAN BUILDING
1438 Market Street
SAN FRANCISCO, CA 94102
TEL: (415) 421-2800
FAX: (415) 421-2830

Christopher B. Dolan, Esq. (SBN 165358)
THE DOLAN LAW FIRM
1438 Market Street
San Francisco, California 94102
Tel: (415) 421-2800
Fax: (415) 421-2830

Attorneys for Plaintiff
LATASHA WINKFIELD

SUPERIOR COURT OF CALIFORNIA

COUNTY OF ALAMEDA

LATASHA WINKFIELD, an individual parent and guardian of Jahi McMath, a minor Plaintiff, v. CHILDREN'S HOSPITAL & RESEARCH CENTER AT OAKLAND, Dr. David Durand M.D. and DOES 1 through 10, inclusive Defendants.	Case No. PR13-707598 **PROOF OF SERVICE**

PROOF OF SERVICE

Latasha Winkfield v. Children's Hospital & Research Center at Oakland, et al.

Alameda County Superior Court Case No. PR13-707598

I, Guillermo Bustillo, declare that:

I am employed in the County of San Francisco, State of California. I am over the age of 18, and am not a party to this action. My business address is 1438 Market Street, San Francisco, California 94102. On October 7, 2014, I served:

PETITIONER'S MOTION TO CONTINUE HEARING TO PRESENT ADDITIONAL EVIDENCE TO ADDRESS LETTER OF DR PAUL FISCHER; REQUEST FOR EVIDENTIARY HEARING AND OPPORTUNITY TO EXAMINE DR FISCHER

PETITIONER'S OBJECTION TO THE APPOINTMENT OF DR PAUL FISCHER AS COURT APPOINTED EXPERT

in said cause addressed as follows:

Douglas C. Straus Brian W. Franklin Noel M. Caughman ARCHER NORRIS A Professional Law Corporation 2033 North Main St., Suite 800 Walnut Creek, Ca. 94596-3759 Facsimile: (925) 930-6620 dstraus@archernorris.com aalter@archernorris.com bfranklin@archernorris.com	***Attorneys for Defendant Children's Hospital & Research Center at Oakland***
David Nefouse Andrea Weddle Alameda County Sheriff's Office Coroner's Bureau 480 4th Street Oakland, CA 94607 david.nefouse@acgov.org andrea.weddle@acgov.org	***Alameda County Coroner's Office***
California Department of Public Health Office of Legal Services 1415 L Street Sacramento, CA 95814	***California Department of Public Health***

/XX/ **(BY OVERNIGHT MAIL)** By enclosing a true copy of the documents in a Fedex envelope addressed to the above recipient(s), sealing and depositing the envelope, with delivery fees prepaid or provided for, and instructions to deliver overnight, at a box maintained by Federal Express in San Francisco, California following ordinary business practices.

/XX/ **(BY ELECTRONIC MAIL)** Based on a court order or an agreement of the parties to accept electronic service, I caused the documents to be sent to the persons at the electronic service addresses listed above.

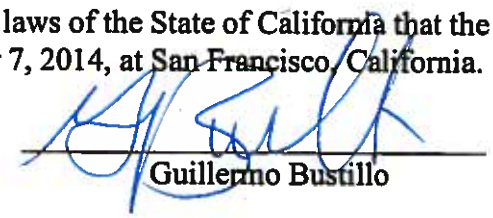
/ / **(BY MAIL)** By placing a true copy thereof enclosed in a sealed envelope. I placed each such sealed envelope, with postage thereon fully prepaid for first-class mail, for collection and mailing at San Francisco, California, following ordinary business practices.

/ / **(BY PERSONAL SERVICE)** By placing a true copy thereof enclosed in a sealed envelope. I caused each such envelope to be delivered by hand to the addressee(s) noted above.

/ / **(BY PROFESSIONAL MESSENGER SERVICE)** By placing a true copy thereof in a sealed envelope, and causing said envelope to be delivered by professional messenger service to the addressee(s) listed above.

/ / **(BY FACSIMILE)** I caused the said document to be transmitted by facsimile machine to the number indicated after the addressee(s) noted above.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed on October 7, 2014, at San Francisco, California.



Guillermo Bustillo

CURRICULUM VITAE

Ivan Mikolaenko, MD

PERSONAL DATA

Office: **Neurological Surgery, P.C.**
100 Merrick Road, Suite 128W
Rockville Centre, NY 11570
Office phone # (516) 255-9031

Email: imikolaenko@nspc.com

EDUCATION

1980-1984	Chortkiv Medical College, Chortkiv, Ukraine; R.N.
1986-1992	Bukovynian State Medical University, Chernivtsi, Ukraine; M.D.

POSTGRADUATE MEDICAL EDUCATION

2002-2004	Postdoctoral Fellow, Department of Neurology, Johns Hopkins School of Medicine, Baltimore, Maryland
2004-2005	Intern, Department of Internal Medicine, University of Tennessee at Memphis, Memphis, Tennessee
2005-2007	Resident, Department of Neurology, University of Tennessee at Memphis, Memphis, Tennessee
2007-2008	Senior Resident, Department of Neurology, University Hospitals Case Medical Center, Cleveland, Ohio
2008-2010	Clinical Fellow, NeuroCritical Care Fellowship Department of Neurology and Neurosurgery, University of Virginia Charlottesville, Virginia

EMPLOYMENT

1984-1986	Army Nurse, Military Medical Division, Military Hospital, Kutaisi, Georgia
1992-1995	Junior teaching faculty, Department of Neurology and Psychiatry, Chortkiv Medical College, Ukraine
1995-1998	Immigrated to Canada, unemployed, studying English, seeking employment Toronto, Canada
1998-2000	Immigrated to USA, seeking employment, studying for USMLE, undergoing immigration process, Birmingham, Alabama
2000-2002	Research Assistant, Department of Surgery, Division of Neurosurgery, University of Alabama at Birmingham, Birmingham, Alabama
2008-2010	Neurology Instructor, Department of Neurology and Neurosurgery Division of Neurocritical Care University of Virginia Charlottesville, Virginia
2010- current	Neurological Surgery PC, Neurointensivist / consulting neurologist Long Island, NY

RESEARCH EXPERIENCE

2000-2002 **1. Brain tumor research laboratory**, VA Medical Center, Birmingham, Alabama.
Molecular biology of tumors. The goal of my project was to evaluate the role of cytomegalovirus in the formation or progression of malignant brain tumors and its role in the pathogenesis of human malignancy. The methods I used in my daily research involved DNA extraction, immunohistochemistry, in-situ hybridization, PCR, RT-PCR, primers and probes design, and sequence analysis.
Our project was one of five UAB (University of Alabama at Birmingham) research projects to win the brain cancer SPORE (Specialized Programs of Research Excellence) in competition with eight other institutions, including Duke University, Johns Hopkins University, University of California at Los Angeles, and the University of Pittsburgh. UAB received one of the first two SPORE grants awarded by the National Cancer Institute (NCI) for brain cancer research. The five-year, $13 million SPORE grant is part of a program by NCI to accelerate the translation of laboratory findings into therapeutic applications.

2002-2004 **2. Movement disorders research laboratory**, Johns Hopkins Hospital, Department of Neurology, Baltimore, Maryland.
Neurogenetics of disease. The goal of my main project was to make genetic constructs to produce new transgenic mouse models for a rare neurogenetic disorder known as Lesch-Nyhan Syndrome. The methods that I used involved cell cultures and recombinant DNA techniques such as transgenic constructs design, cloning, PCR, site-directed mutagenesis, primers design, sequence analysis and immunohistochemistry.

2008-2010 **3**. **Association between IVH volume and death/poor outcome, DINDs delayed infarction / radiographic vasospasm; comparison of different SAH/IVH scores in prediction of the above complications** (the UVA data from 250 patients with SAH). The poster was presented at the 2009 Neurocritical Care Society meeting.

CERTIFICATION

06/2002	Educational Commission for Foreign Medical Graduates certification
06/2004	Certificate of Completion of a Postdoctoral Research Fellowship in Neurology from the Johns Hopkins University School of Medicine, Baltimore, Maryland
06/2005	Certificate of Completion of Internal Medicine Internship from the University of Tennessee Health Science Center, Memphis, Tennessee
06/2008	Certificate of Completion of Neurology Residency from the Case Western Reserve University School of Medicine, Cleveland, Ohio
11/2009	Certification in the specialty of Neurology, Diplomat of American Board of Psychiatry and Neurology
07/2010	Certificate of Completion of NeuroCritical Care Fellowship from the University of Virginia, Charlottesville, VA
09/2013	Certificate of Completion of course for Hyperbaric Medicine Principles and Practice (ANDI International)

COMMITTEE AND ADMINISTRATIVE SERVICE

2003-2004	Treasurer, Johns Hopkins Postdoctoral Association (JHPDA)
2003-2004	JHPDA representative, held seat on the Johns Hopkins Medical School Council
2014-current	Chair of the Neurology / Neurosurgery Disease Management Steering Committee at South Nassau Communities Hospital (Oceanside, NY)

AWARDS

03/09/2005

American Neurological Association sponsored **scholarship** to attend *the 130th Annual Meeting of the ANA in San Diego, CA September25-28, 2005.* Awards were given to residents who are interested in an academic career and have definite potentials for it

02/16/2006

American Academy of Neurology Education Committee and Graduate Education Subcommittee sponsored **scholarship** for residents to attend *the 58th Annual Meeting of the AAN in San Diego, California, April 1-8, 2006* Awards were given to residents who has demonstrated a commitment to neurologic teaching, education, and community service.

06/29/2006

The University of Virginia sponsored **resident scholarship** to attend *the 3rd Practical Critical Care Coarse: A case-based approach to Neurological and General Critical Care*, September 14-15, 2006
Jordan Hall Conference Center, University of Virginia at Charlottesville, VA

03/15/2007 The American Headache Society resident **scholarship** award to attend *the 59th Annual Meeting of the AAN in Boston, MA, April 28- May 5, 2007* I was one of three Residents Curriculum winners participating in the AHS learning experience which included five cases and the pre- and post-tests

POSTERS

04/26/2004 Abeba Tesfaye, Ivan Mikolaenko
The JHPDA: past, current and future
AAMC (The Association of American Medical Colleges)
GREAT Group (Group on Graduate Research, Education, and Training)
2004 Annual Meeting "Implementing a GREAT Vision for Biomedical Education"; Austin, Texas

11/16/2005 T.L. Shirley, I. Mikolaenko, C.C. Wang, H.A. Jinnah
Selective purine salvage in regulation of dopamine systems: dissecting hypoxantine-guanine phosphoribosyltranspherase
Society for Neuroscience 35th Annual Meeting, Washington, DC,
November 12-16, 2005.

11/13/2009 A. Kramer, I. Mikolaenko, A. Dumont, N. Kassell, B. Nathan
Prognostic Importance of Intraventricular Hemorrhage Volume In Patients With Ruptured Cerebral Aneurysms, *Neurocritical Care Society Meeting, 2009*

09/16/2010 I. Mikolaenko
Importance Of Awareness and Secondary Prevention Of Stroke In The Patients With Sickle Cell Disease
Neurocritical Care Society Meeting, 2010, San Francisco

BIBLIOGRAPHY

1. Harkins L, Volk AL, Samanta M, Mikolaenko I, Britt WJ, Bland KI, Cobbs CS.
Specific localization of human cytomegalovirus nucleic acids and proteins in human colorectal cancer.
Lancet. 2002 Nov 16; 360(9345):1557-63

2 Ivan Mikolaenko, Lekha M Rao, Rosalinda C. Roberts, Bryan Kolb, H. A. Jinnah
A Golgi study of neuronal architecture in genetic mouse model for Lesch-Nyhan disease
Neurobiology of disease. 2005 Nov; 20(2):479-90.

3. Ivan Mikolaenko, Irina Mikolaenko, Michael Konar, Hyder A. Jinnah
A 50-year-old man with acute-onset generalized seizure. Cerebral amyloid angiopathy and associated giant cell reaction.
Arch Pathol Lab Med. 2006 Jan; 130(1):e5-7.

4. Andreas Kramer, Ivan Mikolaenko, Aaron Dumont, Neal Kassell, Barnett Nathan
Prognostic Importance of Intraventricular Hemorrhage Volume in Patients With Ruptured Cerebral Aneurysms
Accepted for publication in **Neurosurgery**, 2009

5. Siddhartha G. Kapnadak , Ivan Mikolaenko, Kyle Enfield, Daryl R. Gress, Barnett R. Nathan
Ondine's curse with accompanying trigeminal and glossopharyngeal neuralgia secondary to medullary telangiectasia
Published on January 12, 2010 in **Neurocritical Care**