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ATTORNEY OR PARTY WITHOUT ATTORNEY (Name, State Bar number, and address):  
 Thomas E. Still, Esq. / SBN 127065  
 HINSHAW, MARSH, STILL & HINSHAW, LLP  
 12901 Saratoga Avenue  
 Saratoga, CA 95070

TELEPHONE NO.: (408) 861-6500 FAX NO. (Optional): (408) 257-6645  
 E-MAIL ADDRESS (Optional): tstill@hinshaw-law.com  
 ATTORNEY FOR (Name): Defendant FREDERICK S. ROSEN, M.D.

FOR COURT USE ONLY

**FILED**  
ALAMEDA COUNTY

MAR 23 2017

CLERK OF THE SUPERIOR COURT  
By  DEPUTY

SUPERIOR COURT OF CALIFORNIA, COUNTY OF Alameda  
 STREET ADDRESS: 1221 Oak Street  
 MAILING ADDRESS: 1221 Oak Street  
 CITY AND ZIP CODE: Oakland, CA 94612  
 BRANCH NAME: Administration Building

PLAINTIFF/PETITIONER: LATASHA NAILAH SPEARS, et al.  
 DEFENDANT/RESPONDENT: FREDERICK S. ROSEN, M.D., et al.

**CASE MANAGEMENT STATEMENT**

(Check one):  **UNLIMITED CASE**  
 (Amount demanded exceeds \$25,000)  **LIMITED CASE**  
 (Amount demanded is \$25,000 or less)

CASE NUMBER:  
 RG 15760730

A **CASE MANAGEMENT CONFERENCE** is scheduled as follows:  
 Date: April 3, 2017 Time: 3:00 p.m. Dept.: 16 Div.: Room:  
 Address of court (if different from the address above):

Notice of Intent to Appear by Telephone, by (name): Thomas E. Still, Esq.

**INSTRUCTIONS: All applicable boxes must be checked, and the specified information must be provided.**

1. **Party or parties (answer one):**
  - a.  This statement is submitted by party (name): FREDERICK S. ROSEN, M.D.
  - b.  This statement is submitted jointly by parties (names):
  
2. **Complaint and cross-complaint (to be answered by plaintiffs and cross-complainants only)**
  - a. The complaint was filed on (date):
  - b.  The cross-complaint, if any, was filed on (date):
  
3. **Service (to be answered by plaintiffs and cross-complainants only)**
  - a.  All parties named in the complaint and cross-complaint have been served, have appeared, or have been dismissed.
  - b.  The following parties named in the complaint or cross-complaint
    - (1)  have not been served (specify names and explain why not):
    - (2)  have been served but have not appeared and have not been dismissed (specify names):
    - (3)  have had a default entered against them (specify names):
  - c.  The following additional parties may be added (specify names, nature of involvement in case, and date by which they may be served):
  
4. **Description of case**
  - a. Type of case in  complaint  cross-complaint (Describe, including causes of action):  
 Medical malpractice

PLAINTIFF/PETITIONER: LATASHA NAILAH SPEARS, et al.

CASE NUMBER:

DEFENDANT/RESPONDENT: FREDERICK S. ROSEN, M.D., et al.

RG 15760730

4. b. Provide a brief statement of the case, including any damages. (If personal injury damages are sought, specify the injury and damages claimed, including medical expenses to date [indicate source and amount], estimated future medical expenses, lost earnings to date, and estimated future lost earnings. If equitable relief is sought, describe the nature of the relief.)

Alleged negligent surgical treatment of sleep apnea. Defendant denies any wrongdoing. Defendant met the standard of care at all times.

(If more space is needed, check this box and attach a page designated as Attachment 4b.)

5. **Jury or nonjury trial**

The party or parties request  a jury trial  a nonjury trial. (If more than one party, provide the name of each party requesting a jury trial):

6. **Trial date**

a.  The trial has been set for (date):

b.  No trial date has been set. This case will be ready for trial within 12 months of the date of the filing of the complaint (if not, explain):

c. Dates on which parties or attorneys will not be available for trial (specify dates and explain reasons for unavailability):  
SEE ATTACHMENT

7. **Estimated length of trial**

The party or parties estimate that the trial will take (check one):

a.  days (specify number): 20 (twenty) court days

b.  hours (short causes) (specify):

8. **Trial representation (to be answered for each party)**

The party or parties will be represented at trial  by the attorney or party listed in the caption  by the following:

a. Attorney: Thomas E. Still, Esq.

b. Firm:

c. Address:

d. Telephone number:

f. Fax number:

e. E-mail address:

g. Party represented:

Additional representation is described in Attachment 8.

9. **Preference**

This case is entitled to preference (specify code section):

10. **Alternative dispute resolution (ADR)**

a. **ADR information package.** Please note that different ADR processes are available in different courts and communities; read the ADR information package provided by the court under rule 3.221 for information about the processes available through the court and community programs in this case.

(1) For parties represented by counsel: Counsel  has  has not provided the ADR information package identified in rule 3.221 to the client and reviewed ADR options with the client.

(2) For self-represented parties: Party  has  has not reviewed the ADR information package identified in rule 3.221.

b. **Referral to judicial arbitration or civil action mediation (if available).**

(1)  This matter is subject to mandatory judicial arbitration under Code of Civil Procedure section 1141.11 or to civil action mediation under Code of Civil Procedure section 1775.3 because the amount in controversy does not exceed the statutory limit.

(2)  Plaintiff elects to refer this case to judicial arbitration and agrees to limit recovery to the amount specified in Code of Civil Procedure section 1141.11.

(3)  This case is exempt from judicial arbitration under rule 3.811 of the California Rules of Court or from civil action mediation under Code of Civil Procedure section 1775 et seq. (specify exemption):

|   |                             |
|---|-----------------------------|
| PLAINTIFF/PETITIONER: LATASHA NAILAH SPEARS, et al.<br>DEFENDANT/RESPONDENT: FREDERICK S. ROSEN, M.D., et al. | CASE NUMBER:<br>RG 15760730 |
|---|-----------------------------|

10. c. Indicate the ADR process or processes that the party or parties are willing to participate in, have agreed to participate in, or have already participated in (*check all that apply and provide the specified information*):

|                                     | The party or parties completing this form <b>are willing to</b> participate in the following ADR processes ( <i>check all that apply</i> ): | If the party or parties completing this form in the case <b>have agreed to</b> participate in or have already completed an ADR process or processes, indicate the status of the processes ( <i>attach a copy of the parties' ADR stipulation</i> ):   |
|-------------------------------------|---|---|
| (1) Mediation                       | <input checked="" type="checkbox"/>   | <input type="checkbox"/> Mediation session not yet scheduled<br><input type="checkbox"/> Mediation session scheduled for (date):<br><input type="checkbox"/> Agreed to complete mediation by (date):<br><input type="checkbox"/> Mediation completed on (date):                                 |
| (2) Settlement conference           | <input checked="" type="checkbox"/>   | <input type="checkbox"/> Settlement conference not yet scheduled<br><input type="checkbox"/> Settlement conference scheduled for (date):<br><input type="checkbox"/> Agreed to complete settlement conference by (date):<br><input type="checkbox"/> Settlement conference completed on (date): |
| (3) Neutral evaluation              | <input checked="" type="checkbox"/>   | <input type="checkbox"/> Neutral evaluation not yet scheduled<br><input type="checkbox"/> Neutral evaluation scheduled for (date):<br><input type="checkbox"/> Agreed to complete neutral evaluation by (date):<br><input type="checkbox"/> Neutral evaluation completed on (date):             |
| (4) Nonbinding judicial arbitration | <input type="checkbox"/>  | <input type="checkbox"/> Judicial arbitration not yet scheduled<br><input type="checkbox"/> Judicial arbitration scheduled for (date):<br><input type="checkbox"/> Agreed to complete judicial arbitration by (date):<br><input type="checkbox"/> Judicial arbitration completed on (date):     |
| (5) Binding private arbitration     | <input type="checkbox"/>  | <input type="checkbox"/> Private arbitration not yet scheduled<br><input type="checkbox"/> Private arbitration scheduled for (date):<br><input type="checkbox"/> Agreed to complete private arbitration by (date):<br><input type="checkbox"/> Private arbitration completed on (date):         |
| (6) Other ( <i>specify</i> ):       | <input type="checkbox"/>  | <input type="checkbox"/> ADR session not yet scheduled<br><input type="checkbox"/> ADR session scheduled for (date):<br><input type="checkbox"/> Agreed to complete ADR session by (date):<br><input type="checkbox"/> ADR completed on (date):   |

|  |              |
|--|--------------|
| PLAINTIFF/PETITIONER: LATASHA NAILAH SPEARS, et al.    | CASE NUMBER: |
| DEFENDANT/RESPONDENT: FREDERICK S. ROSEN, M.D., et al. | RG 15760730  |

11. Insurance

- a.  Insurance carrier, if any, for party filing this statement (name): Cooperative of American Physicians
- b. Reservation of rights:  Yes  No
- c.  Coverage issues will significantly affect resolution of this case (explain):

12. Jurisdiction

Indicate any matters that may affect the court's jurisdiction or processing of this case and describe the status.

- Bankruptcy  Other (specify):

Status:

13. Related cases, consolidation, and coordination

- a.  There are companion, underlying, or related cases.
  - (1) Name of case:
  - (2) Name of court:
  - (3) Case number:
  - (4) Status:
- Additional cases are described in Attachment 13a.
- b.  A motion to  consolidate  coordinate will be filed by (name party):

14. Bifurcation

- The party or parties intend to file a motion for an order bifurcating, severing, or coordinating the following issues or causes of action (specify moving party, type of motion, and reasons): Unknown at this time.

15. Other motions

- The party or parties expect to file the following motions before trial (specify moving party, type of motion, and issues):  
 Motion for Summary Judgment on Standard of Care; Motion for Summary Adjudication of Jahi McMath's first cause of action for personal injuries, scheduled for hearing July 13, 2017, 3:00 p.m., Dept. 16.

16. Discovery

- a.  The party or parties have completed all discovery.
- b.  The following discovery will be completed by the date specified (describe all anticipated discovery):

| Party                    | Description                  | Date          |
|--------------------------|------------------------------|---------------|
| Frederick S. Rosen, M.D. | Written Discovery            | Unknown -     |
|                          | Depositions of Plaintiffs    | Pending a     |
|                          | Percipient Witness Discovery | resolution of |
|                          | Expert Discovery             | pleadings     |
|                          |                              | issues        |

- c.  The following discovery issues, including issues regarding the discovery of electronically stored information, are anticipated (specify):

|  |              |
|--|--------------|
| PLAINTIFF/PETITIONER: LATASHA NAILAH SPEARS, et al.    | CASE NUMBER: |
| DEFENDANT/RESPONDENT: FREDERICK S. ROSEN, M.D., et al. | RG 15760730  |

17. Economic litigation

- a.  This is a limited civil case (i.e., the amount demanded is \$25,000 or less) and the economic litigation procedures in Code of Civil Procedure sections 90-98 will apply to this case.
- b.  This is a limited civil case and a motion to withdraw the case from the economic litigation procedures or for additional discovery will be filed (if checked, explain specifically why economic litigation procedures relating to discovery or trial should not apply to this case):

18. Other issues

- The party or parties request that the following additional matters be considered or determined at the case management conference (specify): Application for continuance of plaintiffs' motion to bifurcate trial until after the hearing on defendant's motion for summary adjudication scheduled for hearing on July 13, 2017. (See Application attached.)

19. Meet and confer

- a.  The party or parties have met and conferred with all parties on all subjects required by rule 3.724 of the California Rules of Court (if not, explain):
  
- b. After meeting and conferring as required by rule 3.724 of the California Rules of Court, the parties agree on the following (specify):

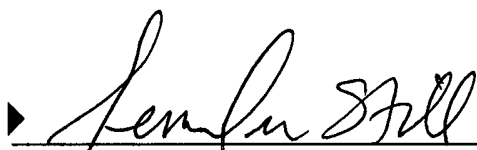
20. Total number of pages attached (if any): 40

I am completely familiar with this case and will be fully prepared to discuss the status of discovery and alternative dispute resolution, as well as other issues raised by this statement, and will possess the authority to enter into stipulations on these issues at the time of the case management conference, including the written authority of the party where required.

Date: March 22 2017

\_\_\_\_\_  
THOMAS E. STILL  
(TYPE OR PRINT NAME)

\_\_\_\_\_  
(TYPE OR PRINT NAME)

▶   
\_\_\_\_\_  
(SIGNATURE OF PARTY OR ATTORNEY)

▶ \_\_\_\_\_  
(SIGNATURE OF PARTY OR ATTORNEY)

Additional signatures are attached.

# ATTACHMENT 6.C.

## UNAVAILABLE DATES FOR COUNSEL

### 2017

|                        |                       |                          |
|------------------------|-----------------------|--------------------------|
| March 25-April 1, 2017 | Unavailable           |                          |
| May 15-18, 2017        | Isels, M.D. / MBC     | Oakland OAH              |
| June 1-12, 2017        | Unavailable           |                          |
| Jul. 10-20, 2017       | Zuniga v. Hamilton    | San Mateo Superior Court |
| Aug. 8-23, 2017        | Unavailable           |                          |
| Aug 28-Sept 8, 2017    | Zammarchi v. Flemming | Monterey Superior Court  |
| Sept. 11-25, 2017      | Barghahn v. Margolis  | San Mateo Superior Court |

### 2018

|                 |                 |                           |
|-----------------|-----------------|---------------------------|
| Jan. 8-18, 2018 | Granger v. Rasi | Santa Cruz Superior Court |
|-----------------|-----------------|---------------------------|

1 THOMAS E. STILL (SBN 127065)  
2 JENNIFER STILL (SBN 138347)  
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9 [jstill@hinshaw-law.com](mailto:jstill@hinshaw-law.com)

10 Attorneys for Defendant  
11 FREDERICK S. ROSEN, M.D.

12 SUPERIOR COURT OF CALIFORNIA  
13 IN AND FOR THE COUNTY OF ALAMEDA

14 LATASHA NAILAH SPEARS WINKFIELD;  
15 MARVIN WINKFIELD; SANDRA  
16 CHATMAN; and JAHl McMATH, a minor, by  
17 and through her Guardian Ad Litem,  
18 LATASHA NAILAH SPEARS WINKFIELD,

19 Plaintiffs,

20 vs.

21 FREDERICK S. ROSEN, M.D.; UCSF  
22 BENIOFF CHILDREN'S HOSPITAL  
23 OAKLAND (formerly Children's Hospital &  
24 Research Center of Oakland); MILTON  
25 McMATH, a nominal defendant, and DOES 1  
26 THROUGH 100,

27 Defendants.

Case No. RG15760730

ASSIGNED FOR ALL PURPOSES TO:  
JUDGE STEPHEN PULIDO  
DEPARTMENT 16

**APPLICATION FOR CONTINUANCE OF  
PLAINTIFFS' MOTION TO BIFURCATE  
TRIAL UNTIL AFTER THE HEARING ON  
DEFENDANTS' MOTION FOR  
SUMMARY ADJUDICATION**

Date: April 3, 2017 (Case Management Conf.)  
Time: 3:00 p.m.  
Dept: 16, Hon. Stephen Pulido

Complaint Filed: March 3, 2015  
Date of Trial: None set

28 Defendant Frederick S. Rosen, M.D., hereby applies for an order that continues  
plaintiff's motion to bifurcate trial (noticed for hearing on **April 27, 2017**) until after  
resolution of defendants' motion for summary adjudication of Jahi McMath's First Cause  
of Action for Personal Injuries (noticed for hearing on **July 13, 2017**). In the motion to  
bifurcate, plaintiffs seek to have the issues of liability and causation tried separately and  
prior to the issue of brain death. There is good cause for the continuance: It would be a

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10 Attorneys for Defendant  
11 FREDERICK S. ROSEN, M.D.

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Date of Trial: None set

28 Defendant Frederick S. Rosen, M.D., hereby applies for an order that continues  
plaintiff's motion to bifurcate trial (noticed for hearing on **April 27, 2017**) until after  
resolution of defendants' motion for summary adjudication of Jahi McMath's First Cause  
of Action for Personal Injuries (noticed for hearing on **July 13, 2017**). In the motion to  
bifurcate, plaintiffs seek to have the issues of liability and causation tried separately and  
prior to the issue of brain death. There is good cause for the continuance: It would be a



1 waste of the court's limited resources to consider a motion that will be moot in the event  
2 defendants' motion for summary adjudication is granted. Plaintiffs' motion to bifurcate is  
3 premature.

4 By way of background, just over a year ago, the court (Judge Friedman presiding)  
5 overruled the defendants' demurrer to Jahi McMath's personal injury claim. Defendants  
6 argued that Jahi McMath was properly declared deceased under California law in  
7 December 2013 and, therefore, lacked standing to sue for personal injuries in a medical  
8 malpractice action. In its ruling, the court explained that while collateral estoppel may  
9 ultimately bar plaintiffs from relitigating the issue of whether Jahi McMath is dead, "*a*  
10 *more developed factual record*" may be necessary to determine whether the changed  
11 circumstances exception precludes application of the doctrine of collateral estoppel.  
12 Thereafter, defendants petitioned the First Appellate District to issue a writ of mandate.  
13 The appellate court denied the petition stating: "Because the trial court found the record at  
14 the pleading stage was inadequate for a collateral-estoppel determination and "may require  
15 a more developed factual record," we conclude, under the circumstances, that this matter  
16 should not be resolved at the pleading stage."

17 The motion for summary adjudication provides the "factual record" that establishes  
18 Jahi McMath is dead under California law and there is no medical or legal basis to review  
19 her death. Thus, the pronouncement of death must be given preclusive effect in the instant  
20 litigation. Defendants establish that (1) Jahi McMath is dead to a degree of medical  
21 certainty, (2) it is not reasonably probable that a mistake was made in the diagnosis of Jahi  
22 McMath's brain death in December 2013, and (3) the diagnosis of Jahi McMath's brain  
23 death was made in accord with the accepted medical standards. (See *Dority v. Superior*  
24 *Court* (1983) 145 Cal.App.3d 273, 278; Health and Safety Code § 7180.)


25 Furthermore, plaintiffs cannot create a triable issue of material fact. Defendants  
26 establish, through plaintiffs' admissions and the declarations of two distinguished experts  
27 in pediatric brain death, **Thomas A. Nakagawa, M.D., FAAN, FCCM**, and **Sanford**  
28 **Schneider, M.D., FAAN, FAAP**, that the *only* accepted neurological criteria for assessing

1 McMath's brain function is an examination performed in accordance with the accepted  
2 medical standards that are set forth in the Guidelines for the Determination of Brain Death  
3 in Infants and Children: An Update of the 1987 Task Force Recommendation. Although  
4 McMath has been in her mother's custody since August 25, 2014, plaintiffs admit that  
5 McMath has not been clinically evaluated by a physician in accord with the  
6 aforementioned guidelines since December 2013, when McMath satisfied the clinical  
7 criteria for brain death during three independent brain death examinations and was  
8 appropriately declared deceased under California law. Given the absence of competent  
9 evidence that demonstrates McMath no longer fulfills the accepted neurological criteria  
10 for brain death, there is no medical or legal basis to review McMath's death.

11 Defendants' two pediatric brain death experts, Dr. Nakagawa and Dr. Schneider,  
12 have reviewed the medical records pertaining to McMath, including all materials produced  
13 by plaintiffs that allegedly show that McMath is not dead. Both experts conclude, *to a*  
14 *degree of medical certainty*, that McMath fulfills the criteria for death under California  
15 law, and there is no medical possibility that McMath has recovered, or will someday  
16 recover, from death.

17 Defendants' motion for summary adjudication is based on the records in the  
18 underlying probate case, plaintiffs' admissions, and the declarations of Dr. Nakagawa and  
19 Dr. Schneider, both experts on pediatric brain death. Dr. Nakagawa is the lead author of  
20 the published guidelines currently used by physicians in hospitals nationwide to determine  
21 pediatric brain death under the law. The expert declarations, appended hereto, are  
22 submitted to demonstrate that defendants' motion for summary adjudication is well-  
23 founded.

24 DATED: March 22, 2017 HINSHAW, MARSH, STILL AND HINSHAW, LLP

25  
26 By   
27 JENNIFER STILL  
THOMAS E. STILL  
Attorneys for Defendant  
28 FREDERICK S. ROSEN, M.D.

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**DECLARATION OF JENNIFER STILL, ESQ.**

I, Jennifer Still, Esq., declare:

1. I am an attorney at law duly licensed to practice before the courts of the State of California. I am a member of the law offices of Hinshaw, Marsh, Still & Hinshaw, attorneys for defendant Frederick S. Rosen, M.D.

2. True and correct copies of the declarations of defendants pediatric brain death experts, Thomas A. Nakagawa, M.D., FAAN, FCCM, and Sanford Schneider, M.D., FAAN, FAAP, filed by defendants in support of their motion for summary adjudication of Jahi McMath's First Cause of Action for Personal Injuries are appended hereto, without the accompanying exhibits. The complete declarations were filed on March 23, 2017.

3. While plaintiffs' counsel graciously agreed to continue the hearing date of the motion to bifurcate due to my office's unavailability on the date originally noticed, we were unable to reach an agreement to have the motion to bifurcate postponed until after resolution of defendants' motion for summary adjudication.

I declare under penalty of perjury under the laws of the State of California that all of the foregoing is true and correct, and as to those matters stated on my information and belief, I believe them to be true, and if called upon to testify to the matters herein, I can competently testify thereto.

Executed on March 22, 2017, at Saratoga, California.

By Jennifer Still  
JENNIFER STILL

Law Offices of  
HINSHAW, MARSH,  
STILL & HINSHAW, LLP  
2901 Saratoga Avenue  
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408) 861-8500

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13 and through her Guardian Ad Litem,  
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DECLARATION OF THOMAS A.  
NAKAGAWA, M.D., FAAP, FCCM

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26 ///

27 ///

28 ///

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HINSHAW, MARSH,  
STILL & HINSHAW, LLP  
12901 Saratoga Avenue  
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(408) 861-6500

INDEX OF EXHIBITS

- 1  
2 Exhibit A: Curriculum Vitae of Thomas A. Nakagawa, M.D., FAAP, FCCM  
3  
4 Exhibit B: Guidelines for the Determination of Brain Death in Infants and Children:  
5 An Update of the 1987 Task Force Recommendations, published in  
6 Pediatrics (2011) 128:3 e720-e740, referred to herein as Guidelines  
7  
8 Exhibit C: Medical records of Jahi McMath from Children's Hospital of Oakland,  
9 Bates Stamp Nos. CHO 40-44, 90-91, 161-163, 181-184, 208-211, 220-225,  
10 231-233, 237, 252-253, 256-259, 295, 8805-8807, 17332, 17349, 17369,  
11 17370, 17415-17416, 26604, 26606-26608, 26620-26621, 26649-26664,  
12 referred to herein as "CHO"  
13  
14 Exhibit D: Supplemental medical records of Jahi McMath from Children's Hospital of  
15 Oakland, Page Nos. 343-345, 401-402, 407-413, referred to herein as "CHO  
16 Supp"  
17  
18 Exhibit E: Physician Declaration of Robin Shanahan, M.D.  
19  
20 Exhibit F: Division Chief Declaration (Sharon Williams, M.D.)  
21  
22 Exhibit G: Physician Declaration of Robert Heidersbach, M.D.  
23  
24 Exhibit H: Medical records of Jahi McMath from Kaiser Permanente- Oakland  
25  
26 Exhibit I: Records prepared by Paul Fisher, M.D., filed on December 23, 2013, re:  
27 Paul Fisher, M.D.'s brain death evaluation of Jahi McMath on December  
28 23, 2013  
29  
30 Exhibit J: Select medical records of Jahi McMath from Saint Peter's University  
31 Hospital, Page Nos. 1-3, 5, 483-484, 493-498, 500,-501, 527, 532, 555-558,  
32 560, 585, 608, 616-617, 712, 735, 754, 766, 778-779, 780-781, 800, 821-  
33 823  
34  
35 Exhibit K: Medical records of Jahi McMath from University Hospital  
36  
37 Exhibit L: Reporter's Transcript of Proceedings on December 24, 2013  
38

1 I, Thomas A. Nakagawa, M.D., FAAP, FCCM, declare:

2 1. I am a physician licensed to practice medicine in the State of California since 1989.  
3 I am also licensed to practice medicine in Virginia, North Carolina, and Florida. I am Board  
4 Certified by the American Board of Pediatrics in Pediatric Critical Care Medicine. I am currently  
5 employed as the Chief of the Division of Critical Care Medicine and Director of the Pediatric  
6 Intensive Care Unit at Johns Hopkins All Children's Hospital in St. Petersburg, Florida. I am a  
7 Professor of Anesthesiology and Critical Care (PAR) at Johns Hopkins School of Medicine in  
8 Baltimore, Maryland. I currently have medical staff privileges at Johns Hopkins All Children's  
9 Hospital. A copy of my Curriculum Vitae is appended hereto as Exhibit A.

10 2. In 1981, I obtained my Bachelor of Science Degree with a microbiology major at  
11 Texas Tech University in Lubbock, Texas. In 1986, I obtained my Medical Degree at Texas Tech  
12 University School of Medicine. Thereafter, I completed a one-year postdoctoral internship in  
13 Pediatrics in 1987, followed by a two-year residency in Pediatrics in 1989, at Phoenix Hospitals  
14 Affiliated Pediatrics Program, Phoenix Children's Hospital, and Maricopa Medical Center where I  
15 also served as a Pediatric Chief Resident. In 1992, I completed my three-year fellowship training  
16 in Pediatric Critical Care Medicine at Children's Hospital Los Angeles, in Los Angeles,  
17 California, where I also served as an administrative fellow in the Pediatric Intensive Care Unit.

18 3. I have specialized in Pediatric Critical Care Medicine for the last twenty-five years.  
19 I have overseen clinical, research, and educational programs in Pediatric Critical Care. From 2002  
20 to April 2016, I was the Medical Director of Pediatric Critical Care Medicine at Wake Forest  
21 Baptist Health, Brenner Children's Hospital. During my fifteen-year employment at Wake Forest  
22 School of Medicine, I was a Professor of Anesthesiology and Pediatrics and served as the Section  
23 Head of Pediatric Critical Care and Medical Director of the Pediatric Intensive Care Unit and  
24 Pediatric Respiratory Therapy. From July 1992 to May 2002, I was an attending staff physician in  
25 the Pediatric Intensive Care Unit at Children's Hospital of the King's Daughters in Norfolk,  
26 Virginia. During my ten-year employment at Children's Hospital of the King's Daughters, I  
27 served as the Resident Education Coordinator in the Pediatric Intensive Care Unit, the Director of  
28 the Pediatric Transport Team, the Division Director of Pediatric Critical Care Medicine, and was

1 also faculty in the Division of Forensic Pediatrics.

2 4. My interests as a clinician, educator and researcher include determination of death,  
3 standardizing the process of brain death determination for children and infants, the ethical  
4 considerations in the determination of death, improving end-of-life care, traumatic brain injury,  
5 organ donation and transplantation, and acute lung injury and pulmonary hypertension. I was the  
6 lead author of the revised pediatric guidelines for determination of brain death in children,  
7 published in 2011. These multi society guidelines from the Society of Critical Care Medicine,  
8 American Academy of Pediatrics, and Child Neurology Society represent a consensus opinion of a  
9 panel composed of national experts in pediatric critical care, pediatric neurology, pediatric  
10 neurosurgery, neonatology, pediatric radiology, and pediatric critical care nursing. In 2013, I  
11 chaired the brain death determination and testing committee for the Secretary of Health and  
12 Human Services Advisory Committee on Transplantation (ACOT), which made a formal  
13 recommendation (Recommendation 56) to The Secretary of Health and Human Services to  
14 standardize brain death testing in children and adults using currently accepted medical guidelines.  
15 I have published in recognized high impact peer review journals including Pediatrics, The Journal  
16 of Pediatrics, Pediatric Critical Care Medicine, Pediatric Infectious Disease, Critical Care  
17 Medicine, Chest, American Journal of Respiratory Care and Critical Care Medicine, Pediatric  
18 Cardiology, and Transplantation.

19 5. I am the current Chair of the Pediatric Section and Pediatric Executive Steering  
20 Committee of the Society of Critical Care Medicine (SCCM), the largest non-profit medical  
21 organization dedicated to promoting excellence and consistency in the practice of critical care.  
22 SCCM is the only organization that represents all professional components of critical care  
23 medicine, and has members in more than 100 countries. SCCM has been instrumental in  
24 reviewing and updating the guidelines for determining brain death in children and infants.

25 6. I am aware that the State of California adopted the Uniform Determination of  
26 Death Act, which states that an individual is dead if he or she has sustained an irreversible  
27 cessation of all functions of the entire brain, including the brain stem. I am aware that when an  
28 individual is pronounced dead by determining that the individual has sustained an irreversible

1 cessation of all functions of the entire brain, including the brain stem, there must be independent  
2 confirmation by another physician. In California, as well as all other states, the determination of  
3 death, including brain death, must be made in accordance with "accepted medical standards."

4 7. I am familiar with the "accepted medical standards" for determining brain death in  
5 children and infants. The clinical criteria for determining the irreversible cessation of all functions  
6 of the entire brain, including the brain stem, in children and infants were initially published by a  
7 multi-society task force in 1987 entitled Report of Special Task Force: Guidelines for  
8 Determination of Brain Death in Children, which was published in *Pediatrics* 1987;80(2):298-  
9 300, *Pediatr. Neurol.* 1987;3(4):242-243, and the *Annals of Neurology* 1987; 21:616-617. Several  
10 years ago, I recommended that SCCM and American Academy of Pediatrics, in conjunction with  
11 the Child Neurology Society, form a multi-disciplinary committee of medical and surgical sub-  
12 specialists under the auspices of the American College of Critical Care Medicine to review and  
13 update the 1987 pediatric brain death guidelines. I was Chair of this multi-society committee  
14 charged with updating the 1987 guidelines for determining pediatric brain death and the lead  
15 author for the published guidelines.

16 8. The multidisciplinary committee produced revised guidelines. I was the lead  
17 author of the guidelines that resulted from the work of this committee. Our report, entitled  
18 Guidelines for the Determination of Brain Death in Infants and Children: An Update of the 1987  
19 Task Force Recommendations, was published in 2011 in *Critical Care Medicine* (2011) 39:2139-  
20 2155; *Pediatrics* (2011) 128:3 e720-e740; and *Annals of Neurology* (2012) 71:573-585  
21 (hereinafter "Guidelines.) These Guidelines were endorsed by the three contributing societies  
22 along with multiple medical societies including American Association of Critical Care Nurses,  
23 National Association of Pediatric Nurse Practitioners, Society of Pediatric Anesthesia, Society of  
24 Pediatric Neuroradiology, World Federation of Pediatric Intensive and Critical Care Societies  
25 along with multiple sub sections from the American Academy of Pediatrics. A true and correct  
26 copy of the Guidelines is appended hereto at Exhibit B. Appendix 1 of the revised Guidelines is  
27 the "Brain Death Examination Checklist." (Ex. B, at p. e735.) The checklist is a form designed to  
28 assist physicians in determining brain death in children/infants and helps ensure that all



1 components of the examination, and ancillary studies if needed, are completed and documented  
2 appropriately. It is recommended that the examining clinicians utilize the Checklist to standardize  
3 the process to determine brain death in infants and children. Failure to use the Checklist does not  
4 invalidate a brain death determination.

5 9. The Guidelines represent the "accepted medical standards" for determining brain  
6 death in infants and children. The Guidelines outline the minimum requirements to make a  
7 determination of brain death in infants and children. The Guidelines have been endorsed and  
8 accepted by relevant medical societies nationwide. Hospitals have adopted the Guidelines as the  
9 standard for determining pediatric brain death, and attending pediatric critical care specialists,  
10 neurologists, neuro and trauma surgeons utilize the Guidelines in determining whether a child is  
11 deceased after meeting and fulfilling brain death criteria. From a legal, medical and societal  
12 perspective, it is uniformly accepted that a person, including a child, is legally dead when the  
13 neurologic diagnostic criteria of total and irreversible cessation of brain function in the Guidelines  
14 are fulfilled. The Guidelines do not challenge the legal definition of death.

15 10. It is the medical and legal consensus that brain death is the criterion for death of  
16 that individual. Determination of brain death in neonates, infants, and children relies on a clinical  
17 diagnosis that is based on the absence of neurologic function with a known irreversible cause of  
18 coma. Coma and apnea must coexist to determine brain death. This diagnosis should be made by  
19 physicians who have evaluated the history and completed the neurologic examinations. In  
20 addition to the neurologic examination, an apnea test should be completed demonstrating no  
21 respiratory effort. If the apnea test or components of the clinical examination cannot be safely  
22 completed, an ancillary study should be performed to assist with determination of death. Accepted  
23 ancillary studies for infants and children include four-vessel cerebral angiography,  
24 electroencephalogram (EEG), or a radionuclide cerebral flow (CBF) study. Clinical determination  
25 of brain death in infants and children requires two examinations by different physicians and two  
26 apnea tests. The first examination determines the child has met neurologic criteria for brain death.  
27 The second examination confirms brain death based on an unchanged and irreversible condition.  
28 The Guidelines provide the minimum requirements to make a determination of brain death.

1           11. In general terms, a brain death examination in accord with the Guidelines consists  
2 of (1) identifying the cause and presence of irreversible coma, i.e., complete loss of consciousness,  
3 vocalization, volitional activity, and lack of response to painful stimuli, (2) normalizing  
4 physiologic parameters prior to the clinical examination, (3) a physical examination that  
5 demonstrates the absence of brainstem reflexes, and (4) apnea testing demonstrating the absence  
6 of respiratory control system reflexes in the brainstem. An observation period of twelve hours  
7 between the first and second examination is recommended for children older than 31 days of age.  
8 A 24 hour observation period between examinations is recommended for children less than 31  
9 days of age.

10           A. Prior to the clinical examination, the examining physician must confirm the  
11 patient is eligible for a brain death examination, i.e., the prerequisites for initiating a brain death  
12 evaluation. Hypotension, hypothermia, metabolic disturbances, and medications, which can  
13 interfere with neurologic examination and apnea testing, must be identified and should be  
14 corrected before proceeding with the brain death evaluation.

15           B. The physical examination consists of neurologic tests that document loss of  
16 all brain stem reflexes, including (1) midposition or fully dilated pupils which do not respond to  
17 light; typically fixed in a mid-size or dilated position (4-9mm), (2) absence of movement of bulbar  
18 musculature including facial or oropharyngeal muscles, (3) absent gag, cough, sucking and rooting  
19 reflexes, (4) absent corneal reflexes, and (5) absent oculovestibular reflexes.

20           C. The two examinations must include apnea testing with each examination  
21 unless there is a medical contraindication or hemodynamic instability. The apnea test must be  
22 performed safely. A properly performed apnea test demonstrating no respiratory effort is an  
23 essential sign of definitive loss of brain function. The main objective of apnea testing is to prove  
24 the absence of respiratory reflexes in the brainstem when intense physiologic stimulation to  
25 breathe takes place. Apnea testing requires documentation of arterial blood gases in a critical care  
26 or intensive care setting. A patient is considered to meet apnea test criteria for brain death if (1)  
27 there are no spontaneous respiratory efforts during the test and (2) the patient's PaCO<sub>2</sub> ≥60 mm  
28 Hg and at least 20 mmHg above baseline.

1 D. Noxious stimuli should not produce a motor response other than spinal cord  
2 reflexes. The clinical differentiation of spinal responses from retained motor responses associated  
3 with brain activity requires expertise.

4 E. Accepted ancillary studies for infants and children include four-vessel  
5 cerebral angiography, electroencephalogram (EEG), or a radionuclide cerebral flow (CBF) study.  
6 Ancillary studies are not required to establish brain death. Ancillary studies are not a substitute  
7 for the neurologic examination. However, ancillary testing may be used to assist the clinician in  
8 making the determination of brain death (i) when the components of the examination or apnea  
9 testing cannot be completed safely due to the underlying medical condition of the patient, (ii) if  
10 there is uncertainty as to the results of the neurologic examination, (iii) if a medication effect may  
11 be present; or (iv) to reduce the inter-examination observation period. Ancillary studies may also  
12 be helpful for social reasons to allow the family members to better comprehend the diagnosis of  
13 brain death. These ancillary tests must be performed in a hospital setting by technicians possessing  
14 the requisite education, training and experience. Electroencephalographic documentation of ECS  
15 and use of radionuclide CBF determinations to document the absence of CBF remain the most  
16 widely used methods to support the clinical diagnosis of brain death in infants and children.  
17 Radionuclide CBF testing must be performed in accordance with guidelines established by the  
18 Society of Nuclear Medicine and the American College of Radiology. EEG testing must be  
19 performed in accordance with standards established by the American Electroencephalographic  
20 Society. Interpretation of ancillary studies requires the expertise of appropriately trained and  
21 qualified individuals who understand the limitations of these studies to avoid any potential  
22 misinterpretation. Further, similar to the neurologic examination, hemodynamic and temperature  
23 parameters should be normalized before obtaining EEG or cerebral blood flow studies.

24 F. Brain MRI and MR angiography are not validated tests to assist with  
25 determination of brain death in infants and children. The Guidelines state: "MRI-MR  
26 angiography, and perfusion MRI imaging have not been studied sufficiently nor validated in  
27 infants and children and cannot be recommended as ancillary studies to assist with the  
28 determination of brain death in children at this time." (Ex. B, p. e729.)

1           12.    The only accepted criteria for determination of pediatric brain death are those set  
2 forth in the Guidelines. Brain death is a clinical assessment made by qualified physicians using a  
3 standardized approach that relies on a clinical examination and apnea testing with a known cause  
4 of coma. The diagnostic criteria in the Guidelines were established to provide uniformity in the  
5 determination of brain death. The methodology allows physicians to pronounce brain death in a  
6 precise and orderly manner. It ensures that all components of the examination are performed and  
7 appropriately documented. Adherence to the uniform criteria in the Guidelines protects the health  
8 and safety of pediatric patients and provides family members and society at large with the  
9 assurance that determination of brain death is reliable and lawful. There is no substitute for a  
10 brain death evaluation. Ad hoc testing of brain function is not a substitute to a brain death  
11 evaluation performed in accordance with the accepted medical standards. Indeed, a physician's  
12 assessment of brain death made pursuant to ad hoc testing would be a violation of the standard of  
13 care, a breach of professional responsibility as well as a violation of California's Uniform  
14 Determination of Death Act.

15           13.    I have over 25 years of experience in the evaluation and care of children with  
16 neurological disorders. As a specialist in the practice of pediatric critical care medicine, I am  
17 responsible for diagnosing and treating children who have unstable, life-threatening and end-of-  
18 life conditions, including cardiopulmonary failure and brain trauma. I have significant  
19 professional experience in applying the accepted medical standards for determining brain death in  
20 children. During the course of my practice as a pediatric intensivist, I estimate that I have  
21 performed, or been involved in more than 175 examinations utilizing the accepted medical  
22 standards for determining brain death in children. My education, training and experience render  
23 me qualified to provide an expert opinion on whether the accepted medical standards were  
24 correctly applied to Jahi McMath and if diagnostic error occurred in the determination of brain  
25 death for this child.

26           14.    I have been retained by defense counsel to review the medical records and other  
27 materials pertaining to Jahi McMath. Along with plaintiffs' First Amended Complaint, I have  
28 received and reviewed the following materials pertaining to Jahi McMath in connection with my

1 review:

2 • CD containing the imaging studies of the brain MRI (without contrast), MR  
3 angiogram (without contrast) and MRV (without contrast) performed at University Hospital (New  
4 Jersey) and the reports of these imaging studies dated 9-26-14 (pp. 1-9)

5 • CD containing 7 chest x-rays and 1 ultrasound produced by Saint Peter's  
6 University Hospital

7 • CD containing the imaging studies performed at Children's Hospital Oakland  
8 including the chest x-rays on 12-10-13 and 12-11-13, the head CT on 12/11/13, and the radionuclide  
9 cerebral blood flow study on 12-23-13

10 • A CD containing the 4 EEG recordings performed at Children's Hospital  
11 Oakland on 12-11-13, 12-12-13, 12-17-13 and 12-23-13

12 • UCSF Benioff Children's Hospital Oakland records

13 • Saint Peter's University Hospital records (New Brunswick, New Jersey)  
14 (pp.1-12702)

15 • Kaiser Permanente Hayward records (pp.1-94)

16 • Kaiser Permanente Oakland records (pp. 1-7)

17 • Med Life Pharmacy records (pp. 1-36)

18 • Preferred Home Health Care records (pp. 1-350)

19 • Thi Nguyen, M.D. records (pp. 1-368)

20 • Alieta Eck, M.D. records (pp. 1-151)

21 • Bayada Home Health Care records (pp. 1-4655)

22 • University Hospital records (Newark, New Jersey)

23 • A CD containing video recordings numbered 1 to 34 produced by plaintiffs

24 • A CD containing video recordings numbered 1 to 17 produced by plaintiffs

25 • Photographs produced by plaintiffs numbered 1-288

26 • Paul Byrne, M.D., declaration dated 12-20-13

27 • Updated declaration of D. Alan Shewmon, M.D., dated 12-10-14

28 • Calixto Machado, M.D., declaration dated 10-5-14, and curriculum vitae

- 1 • Calixto Machado, M.D., letter to Philip De Fina dated 9-29-14
- 2 • Letter from Alieta Eck, M.D., dated 4-10-16
- 3 • Philip De Fina, PhD declaration dated 10-2-14
- 4 • The EEG report authored by Elena Labkovsky
- 5 • Ivan Mikolaenko, M.D., declaration dated 10-7-14
- 6 • Charles Prestiacomo, M.D., declaration dated 10-8-14
- 7 • Latasha Winkfield declaration filed 12-20-13
- 8 • Paul Fisher, M.D.'s curriculum vitae
- 9 • Paul Fisher, M.D.'s letter dated 12/23/13 and brain death exam notes and
- 10 checklist dated 12/23/13, prepared by Paul Fisher, M.D.
- 11 • Amended Order filed 1-2-14
- 12 • Order filed 10-1-14
- 13 • Writ of Error Corum Nobis filed 10-3-2014
- 14 • D. Alan Shewmon, M. D., declaration dated 10-3-2014 and curriculum vitae
- 15 • Philip De Fina, PhD, declaration and curriculum vitae
- 16 • Calixto Machado, M.D., declaration and curriculum vitae
- 17 • Charles Prestigiaco declaration and curriculum vitae
- 18 • Elena B. Labkovsky declaration and curriculum vitae
- 19 • Court order Appointing Paul Fisher filed on 10-6-14, including Dr. Fisher's
- 20 CV, and Dr. Fisher's letter dated 10-6-14, which includes Dr. Fisher's examination and consultation
- 21 finding of Jahi McMath on December 23, 2013, and a copy of the Guidelines
- 22 • Declaration of Sharon Williams, M.D. filed December 20, 2013, and
- 23 attachment
- 24 • Declaration of Robin Shanahan, M.D., filed December 20, 2013
- 25 • Declaration of Robert Heidersbach, M.D., filed December 20, 2013
- 26 • Declaration of Christopher Dolan, filed December 30, 2013
- 27 • Opposition to Ex Parte Application filed by Children's Hospital on December
- 28 30, 2013

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- Declaration of Dr. Ann Petru filed January 3, 2014
- Declaration of Dr. Heidi Flori filed January 3, 2014
- Declaration of Dr. Sidney Gospe, Jr., filed January 3, 2014

15. I have also read the Reporter's Transcripts of the December 23, 2013 and December 24, 2013, hearings involving Ms. Winkfield's opposition to the hospital's withdrawal of McMath mechanical ventilator following the pronouncement of death on December 12, 2013. Two physicians testified at the December 24, 2013, hearing, Robin Shanahan, M.D., and Paul Fisher, M.D., regarding the specifics of their brain death examinations, performed on December 11, 2013 and December 23, 2013, respectively.

16. My review of above materials reflects the following:

A. During the evening of December 9, 2013, while in the Pediatric Intensive Care Unit ("PICU") at Children's Hospital Oakland ("CHO"), McMath began to bleed from the mouth and nose. At approximately 12:30 a.m. on December 10, 2013, McMath appeared to gag and stop breathing. She was unresponsive and went into cardiopulmonary arrest. A code blue was initiated at 12:35 a.m. During the approximate 2 hour and 33 minute code, there was considerable difficulty with oxygenation. McMath continued to bleed from the mouth and nose throughout the code, and had bloody secretions noted in the endotracheal tube, preventing prompt and adequate oxygenation. (CHO Chart, pp. 90-91, 295, 8805-8807, 26607-26608, 26649-26664, Exhibit C appended hereto; and CHO Supp. Chart, pp. 343-345, Exhibit D appended hereto.)

B. On December 11, 2013 at 2:08 a.m., Sharon Williams, M.D., ordered a head CT scan due to a change in McMath's neurological status. The impression of the head CT scan, performed early in the morning on December 11, 2013, was (1) Diffuse cerebral edema and abnormal low attenuation in the basil ganglia and presumed basilar herniation, consistent with sequelae of anoxia; and (2) Global linear high attenuation within the subarachnoid spaces, basal cisterns, and along the tentorium felt to represent pseudosubarachnoid hemorrhage on the basis of cerebral edema. (CHO Chart, pp. 237, 17415-17416, 17332 and 26606-16607, Exhibit C appended hereto.)

1 C. An electroencephalogram ("EEG") lasting 41 minutes was performed the  
2 morning of December 11, 2013. There was no reaction to stimulation. There was no discernible  
3 cerebral activity. No brain wave activity was seen. The EEG fulfilled the diagnostic criteria for  
4 electrocerebral inactivity. (CHO Chart, pp. 26620-26621, Exhibit C appended hereto; and  
5 Reporter's Transcript, pp. 31:1-13, 66:5-25, and 67:1-6, Exhibit L appended hereto)

6 D. On December 11, 2013, a brain death evaluation was ordered for McMath  
7 to determine whether McMath had sustained an irreversible cessation of all functions of her entire  
8 brain, including the brain stem. On December 11, 2013, Robin Shanahan, M.D., an attending  
9 pediatric neurologist at CHO, performed the first of three brain death evaluations performed on  
10 McMath at CHO. Dr. Shanahan had performed over 300 brain death examinations prior to her  
11 evaluation of McMath.

12 (1) Dr. Shanahan correctly applied the accepted medical standards for  
13 evaluating brain death in children as set forth the Guidelines. There was (1) confirmation that all  
14 of the prerequisites for a brain death evaluation were met, (2) a physical examination  
15 demonstrated no cerebral or brain stem reflexes, and (3) an apnea test demonstrated lack of  
16 spontaneous breathing. Dr. Shanahan found there was no evidence of any cerebral or brain stem  
17 function. (Shanahan Decl., Exhibit E appended hereto; Williams Decl., Exhibit F appended  
18 hereto; CHO Chart, pp. 40-41, Exhibit C appended hereto; and Reporter's Transcript, pp. 55-57,  
19 60:13-68:2 and 100-104, Exhibit L appended hereto.)

20 (2) Based on my education, training, knowledge and experience in  
21 pediatric brain death and the accepted medical standards set forth in the Guidelines, as well as my  
22 review of the records in this matter, on December 11, 2013, McMath met neurologic criteria for  
23 brain death. There is no evidence of any diagnostic error occurring during the examination  
24 process. Dr. Shanahan used the level of skill, knowledge and care in applying the accepted  
25 medical standards that other reputable pediatric neurocritical care specialists would use in similar  
26 circumstances.

27 E. Pediatric critical care specialist Robert S. Heidersbach, M.D., the PICU  
28 attending physician at CHO, also examined McMath the morning of December 11, 2013, to



1 evaluate her clinical and radiographic evidence of early cerebral herniation. On exam, McMath's  
2 pupils were dilated and fixed. Dr. Heidersbach reported that McMath had likely progressed to  
3 brain death secondary to anoxic injury during the code. (CHO Chart, pp. 256-259, Exhibit C  
4 appended hereto.)

5 F. McMath was re-examined by Dr. Shanahan at approximately 9:00 a.m. on  
6 December 12, 2013, at the request of the PICU staff. Throughout the night McMath had some  
7 spontaneous right arm movements and some dramatic triple flexion withdrawal movements with  
8 extremity stimulation. The ICU staff wanted Dr. Shanahan to confirm that these movements were  
9 not of cortical origin coming from the brain, but rather spinal reflexes. On examination, McMath  
10 remained unchanged with unreactive, dilated pupils, fixed at 7mm, no spontaneous breathing and  
11 absent cough and gag reflexes. She remained comatose with no environmental reaction. She had  
12 absent corneal reflexes. When fingernails were pressed into her occiput (back of the head/skull),  
13 no spontaneous movement was elicited. She had easy to obtain deep tendon reflexes. With plantar  
14 stimulation there was a subtle triple flexion of both legs. One spontaneous arm jerk was observed  
15 without any stimulation. Dr. Shanahan reported that the movements she observed during her  
16 repeat evaluation were consistent with spinal withdrawal and spinal myoclonus. (CHO Chart, pp.  
17 252-253, Exhibit C appended hereto; Reporter's Transcript, pp. 68:3-15; 72:8-24; 82:6-21; 86:12-  
18 25, Exhibit L appended hereto; and Shanahan Decl., Exhibit E appended hereto.)

19 G. In an attempt to satisfy the family's concerns, a second EEG was ordered  
20 the morning of December 12, 2013, to demonstrate that McMath's movements during an EEG had  
21 no cortical correlate. The second EEG, performed on December 12, 2013, lasted approximately 30  
22 minutes. The technician described episodes of spinal movements including right arm movement,  
23 left arm tremors, and jerking. None of the movements had any electrographic correlation.  
24 Auditory, photic and painful stimulation did not change the background. There were no EEG  
25 changes during blood pressure elevation. The EEG fulfilled the criteria for electrocerebral  
26 inactivity. Dr. Shanahan and Dr. Heidersbach confirmed that the spinal movements seen during  
27 EEG testing were not associated with brain function. (CHO Chart, pp. 252-253, and 26604,  
28 Exhibit C appended hereto; and CHO Supp. Chart, pp. 401-402, Exhibit D appended hereto.)

1 H. During the second brain death examination conducted on December 12,  
2 2013, attending PICU physician, Robert S. Heidersbach, M.D., applied the accepted medical  
3 standards for determining brain death in children and concluded that McMath met clinical criteria  
4 for brain death as set forth in the Guidelines.

5 (1) Dr. Heidersbach first confirmed there were no metabolic disorders  
6 that would interfere with the neurologic examination. He found McMath exhibited a complete loss  
7 of consciousness, with no vocalizations and no volitional activity. She did not open or move her  
8 eyes to noxious stimuli. Her pupils were unreactive to light and dilated at 5mm. Corneal reflexes  
9 were absent. There was an absence of movement of bulbar musculature including facial  
10 oropharyngeal muscles. There was no grimacing or facial muscle movement when deep pressure  
11 was applied on the condyles at the level of the temporomandibular joints and at the supraorbital  
12 ridge. There was no gag or cough reflex. 60 mL of ice water was instilled in each ear elicited no  
13 movement of the eyes during an observation period of one minute. During the apnea test McMath  
14 demonstrated a complete absence of respiratory effort. (CHO Chart, p. 26604, Exhibit C appended  
15 hereto; CHO Supp. Chart, pp. 407-413, Exhibit D appended hereto; Heidersbach Decl., Ex. G  
16 appended hereto, and Williams Decl., Exhibit F appended hereto.)

17 (2) Based on my education, training, knowledge and experience in  
18 pediatric brain death and the accepted medical standards set forth in the Guidelines, as well as my  
19 review of the records in this matter, on December 12, 2013, Dr. Heidersbach's examination  
20 confirmed that McMath fulfilled the criteria for brain death. There is no evidence that any  
21 diagnostic error occurred in the examination process. The patient's condition remained unchanged  
22 and the second examination and apnea test supported the conclusion that Ms. McMath fulfilled  
23 criteria for brain death. Dr. Heidersbach used the level of skill, knowledge and care in applying  
24 the accepted medical standards that other reputable pediatric critical care specialists would use in  
25 similar circumstances.

26 I. Given that two brain death examinations performed a day apart, in  
27 accordance with the Guidelines, revealed brain death, Dr. Heidersbach appropriately pronounced  
28 McMath clinically brain dead and deceased at 3:00 p.m. on December 12, 2013. Along with the

1 brain death examination notes, Dr. Heidersbach completed a Physician Death Summary, wherein  
2 he documented McMath's medical course leading to brain death. (CHO Chart, p. 26604, Exhibit C  
3 appended hereto; CHO Supp. Chart, p. 407-410, Exhibit D appended hereto; and Williams Decl.,  
4 Exhibit F appended hereto.) Based on my education, training, knowledge and experience in  
5 pediatric brain death, the application of the accepted medical standards set forth in the Guidelines,  
6 and review of records, no diagnostic error occurred in the determination of McMath's death at  
7 Children's Hospital Oakland on December 12, 2013.

8 J. On December 12, 2013, McMath was pronounced legally deceased under  
9 California's Uniform Determination of Death Act since she was clinically found to have suffered  
10 an irreversible cessation of all functions of the entire brain, including the brainstem, by two  
11 attending physicians during separate evaluations performed more than 12 hours apart, in  
12 accordance with the accepted medical standards set forth in the Guidelines.

13 K. McMath demonstrated occasional movements following the declaration of  
14 death. On December 13 and 14, 2013, it was noted that McMath was having brain-death  
15 associated spinal reflexes and occasional automatisms, including triple flexion of the lower  
16 extremities and brief clonic movements of unilateral upper extremities. Slight flexion at the ankle,  
17 knee and hip was elicited with touching her foot. McMath's neurological status remained  
18 unchanged. The neurologic examinations on December 13 and 14, 2013, remained consistent with  
19 brain death. (CHO Chart, pp. 208-211, 222-225, Exhibit C appended hereto.)

20 L. McMath continued to exhibit spinal reflexes. At the request of the family,  
21 on December 17, 2013, a third EEG was performed, lasting 31 minutes in duration. McMath was  
22 unresponsive to pinch, light touch and loud clapping. The EEG fulfilled the criteria for  
23 electrocerebral inactivity. The family was informed that the EEG remained consistent with brain  
24 death. (CHO Chart, pp. 43-44, and 161-163, Exhibit C appended hereto.)

25 M. On December 17, 2013, CHO arranged for a review of the EEG's and head  
26 CT scan with Dr. Jean Hayward, a pediatric neurologist at Kaiser Permanente Oakland. Dr.  
27 Hayward spoke with the family and Winkfield's attorney, Christopher Dolan, via a conference call  
28 to confirm the findings were consistent with irreversible brain injury and brain death. Dr.

1 Hayward encouraged the family to conduct a prayer vigil and to meet with the PICU team to  
2 decide on a day and time to let McMath pass on. (CHO Chart, pp. 161-163, Exhibit C appended  
3 hereto; and Kaiser Permanente Oakland Chart, p. 5, Exhibit H appended hereto.)

4 N. In the afternoon on December 23, 2013, Dr. Fisher performed a brain death  
5 evaluation, in his capacity as the court's independent expert examiner, pursuant to the accepted  
6 medical standards set forth in the Guidelines. It was Dr. Fisher's determination that McMath met  
7 the neurologic examination criteria for brain death. Dr. Fisher determined that McMath's cerebral  
8 and brainstem reflexes were absent. She had no brainstem and no cerebral function. During apnea  
9 testing, there was no respiratory effort when taken off the ventilator for nine minutes. (Dr. Paul  
10 Fisher's 12/23/13 Brain Death Evaluation notes and Check List, Exhibit I appended hereto; and  
11 Reporter's Transcript, at pp. 8-31; 39:8 to 40:1; and 49:1-14, Exhibit L appended hereto.)

12 O. Dr. Fisher's brain death evaluation exceeded the minimum requirements to  
13 determine whether a child has suffered brain death. In addition to the required neurological  
14 examination and apnea testing, Dr. Fisher ordered a repeat EEG and a radionuclide cerebral blood  
15 flow study, both of which are recognized by the Guidelines as appropriate ancillary studies.  
16 Winkfield's attorney, Christopher Dolan, requested McMath undergo the radionuclide cerebral  
17 blood flow study. Dr. Fisher agreed it would be wise to perform the cerebral blood flow study on  
18 McMath because it is "beyond definitive" as a diagnostic tool of brain death and the test can help a  
19 family understand a brain death diagnosis. (See Dr. Paul Fisher's 12/23/13 Brain Death Evaluation  
20 notes and Check List, Exhibit I appended hereto; and Reporter's Transcript at pp. 27:3-22; 40:9-  
21 12; 41:3-21; 42:3-25; and 43:1-4, Exhibit L appended hereto.)

22 (1) The radionuclide cerebral blood flow study performed on December  
23 23, 2013, confirmed the clinical diagnosis of brain death. Dr. Fisher was present during the study.  
24 There was 40 minutes of imaging time, which exceeds the standard of care. The images  
25 demonstrate a complete absence of any blood flow to the brain. There is no intracerebral activity,  
26 only some activity in the scalp and the face. The cerebral blood flow study is diagnostic of  
27 McMath's brain death in that it conclusively demonstrates there is no blood flow going in  
28 McMath's brain. Dr. Fisher noted that McMath's CBF study has a "white-out in the part of the

1 head where the brain is. Normally it would be dark black. In [McMath's] case it's completely  
2 white." (See CHO Chart, p. 17369, Exhibit C appended hereto; and Reporter's Transcript, pp.  
3 24:5-9; 27:15 to 28:14; 28:19-29:12, Exhibit L appended hereto.)

4 (2) In addition, the EEG performed on December 23, 2013 fulfills the  
5 criteria for electrocerebral inactivity and brain death. He confirmed there was no brain activity.  
6 There was no change in the recording with clapping, pinching the left foot, pinching the left arm  
7 or shining a light in each eye. Dr. Fisher also compared the EEG with a prior EEG from  
8 December 11, 2013, and found there was no change. (See CHO Chart, pp. Exhibit C appended  
9 hereto; and Reporter's Transcript at 30:10 to 31:13, Exhibit L appended hereto)

10 P. Dr. Fisher prepared a 2-page report of his brain death examination and  
11 completed the "Check List for Documentation of Brain Death," found in Appendix 1 of the  
12 Guidelines. Dr. Fisher concluded that Ms. McMath has a known, irreversible brain injury and  
13 complete absence of cerebral function and brainstem function. (Dr. Paul Fisher's 12/23/13 Brain  
14 Death Evaluation notes and Check List, Exhibit I appended hereto.)

15 (1) Dr. Fisher found that Ms. McMath fulfilled the accepted medical  
16 standards for determining brain death by professional societies and the State of California. (Dr.  
17 Paul Fisher's 12/23/13 Brain Death Evaluation notes and Check List, Exhibit I appended hereto;  
18 and Reporter's Transcript, pp. 33:14 to 34:9, and 49:3-19, Exhibit L appended hereto.)

19 (2) Based on my experience and expertise in pediatric brain death and  
20 the accepted medical standards set forth in the Guidelines, as well as my review of the records in  
21 this matter, including the radionuclide cerebral blood flow study performed on December 23,  
22 2013, Dr. Fisher's examination confirms that McMath fulfills the criteria for brain death. No  
23 diagnostic error was identified in the examination process. Dr. Fisher used the level of skill,  
24 knowledge and care in applying the accepted medical standards used by other reputable pediatric  
25 neurocritical care specialists in similar circumstances. Dr. Fisher appropriately determined that  
26 McMath continued to meet all diagnostic criteria for brain death, and that McMath was deceased  
27 under California law. To a reasonable degree of medical certainty, McMath satisfies the required  
28 accepted medical standards to determine brain death and meets the criteria for death under

1 California law.

2 Q. On January 6, 2014, Ms. McMath was admitted to Saint Peter's University  
3 Hospital ("Saint Peter's") in New Brunswick, New Jersey, for placement of a tracheostomy and  
4 percutaneous endoscopic gastrostomy tube placement following brain death. The procedures were  
5 performed on January 8, 2014. McMath was hospitalized in the Pediatric Intensive Care Unit at  
6 Saint Peter's until August 25, 2014, because there was no rehabilitative facility willing to accept  
7 McMath. (Saint Peter's Chart, pp. 5, 483-484, and 495-498, Exhibit J appended hereto.)

8 (1) On McMath's admission to Saint Peter's University Hospital on  
9 January 6, 2014, McMath's clinical examination was consistent with brain death. McMath was  
10 non-responsive, had no cough or gag reflex, no pupillary response, and no spontaneous breathing.  
11 No formal brain death evaluation per the Guidelines was performed on McMath during her seven  
12 and a half month hospitalization at Saint Peter's. However, the daily neurological assessments  
13 performed by the PICU team at Saint Peter's were at all times consistent with lack of brain and  
14 brain stem function. The PICU team's diagnosis was that McMath was brain dead. The records  
15 document that McMath was at all times in a coma, had no brainstem reflexes, had no meaningful  
16 movement, lacked spontaneous respiration, and was fully dependent on artificial support. (Saint  
17 Peter's Chart, pp. 5, 483-484, 493-498, 500-501, 527, 532, 555-558, 560, 585, 608, 616-617, 712,  
18 735, 754, 766, 778-781, 800, 821, and 823, Exhibit J appended hereto.)

19 (2) On August 25, 2014, McMath was discharged "home" to the  
20 custody of her mother. McMath's discharge diagnosis from Saint Peter's was brain death due to  
21 cardiopulmonary arrest and hypoxic ischemic encephalopathy. (Saint Peter's Chart, p. 5, Exhibit J  
22 appended hereto.)

23 (3) During McMath's hospitalization at Saint Peters, McMath continued  
24 to exhibit intermittent spinal reflexive responses, including movement in response to tactile  
25 stimulation. However, there was no evidence of cerebral or brain stem activity. (Saint Peter's  
26 Chart, pp. 527, 532, 556, 585, 593, 608, 616, and 712, Ex. J appended hereto.)

27 (4) Based on my experience and expertise in pediatric brain death and  
28 the accepted medical standards set forth in the Guidelines, as well as my review of the records in

1 this matter, there is no medical evidence documented in the Saint Peter's chart that would cause a  
2 reputable expert in pediatric brain death to question McMath's death.

3 R. On September 26, 2014, McMath was subjected to several tests at  
4 University Hospital, in Newark, New Jersey, including brain imaging studies, a brainstem auditory  
5 evoked potentials, a somatosensory evoked potentials (upper extremities), a visual evoked  
6 potentials, and electroencephalography. (University Hospital Chart, appended at Exhibit K.)

7 (1) The tests performed on McMath at University Hospital on  
8 September are not accepted, validated ancillary studies and do not meet accepted diagnostic  
9 criteria for determining brain death (i.e., the Guidelines) and are not a substitute for the accepted  
10 medical standards. There is no substitute for the accepted medical standards as defined in the  
11 Guidelines. California's Uniform Determine of Death requires that brain death be evaluated under  
12 the accepted medical standards.

13 S. Although McMath has been in Winkfield's custody since August 25, 2014,  
14 there is no evidence that McMath has been clinically evaluated by a physician in accord with the  
15 accepted medical standards in the Guidelines since December 23, 2013, when McMath was  
16 examined by Paul Fisher, M.D., at CHO. Without such an evaluation, there is no legal or medical  
17 basis to reconsider or disturb the medically sound and lawful pronouncement of McMath's death.

18 17. Based on my education, training, knowledge and experience in pediatric brain  
19 death, including the application of the accepted medical standards in the Guidelines, and having  
20 reviewed the medical records and imaging studies, as well as the Reporter's Transcripts of the  
21 testimony of Paul Fisher, M.D., and Robin Shanahan, M.D., at the hearing on December 24, 2013,  
22 it is my opinion that no diagnostic error occurred in the determination of brain death for Ms.  
23 McMath in December 2013. McMath's determination of brain death was made in accordance with  
24 the accepted medical standards. McMath fulfilled the accepted pediatric diagnostic criteria for  
25 brain death. Dr. Shanahan, Dr. Heidersbach and Dr. Fisher appropriately applied the accepted  
26 medical standards. McMath was appropriately pronounced deceased under California law in  
27 December 2013.

28 18. Based on my education, training, knowledge and experience in pediatric brain

1 death, including the application of the accepted medical standards in Guidelines, and having  
2 reviewed the medical records and imaging studies, as well as the Reporter's Transcript of the  
3 testimony of Paul Fisher, M.D., and Robin Shanahan, M.D., at the hearing on December 24, 2013,  
4 it is my opinion, to a degree of medical certainty, that McMath is dead. McMath's death was  
5 established by a known cause of coma (anoxia during the 2 ½ hour period of cardiac arrest), and  
6 three brain death evaluations performed in accordance with the accepted Guidelines for the  
7 determination of brain death in infants and children. Testing included the required neurological  
8 examination and apnea tests, on each occasion. McMath demonstrated no brain or brain stem  
9 reflexes. She took no spontaneous breaths while off mechanical ventilator support during apnea  
10 testing. The physicians' clinical assessment of brain death was corroborated by several accepted  
11 ancillary studies, including four 'flat' or isoelectric EEGs and a radionuclide cerebral blood flow  
12 study performed under the accepted protocols. The radionuclide cerebral blood flow study  
13 performed on December 23, 2013, conclusively demonstrates that there is no blood flow going to  
14 McMath's brain which is consistent with brain death.

15       19.     Based on my education, training, knowledge and experience in pediatric brain  
16 death, including the accepted medical standards in the Guidelines, as well as my review of the  
17 records in this matter, McMath continues to fulfill the accepted diagnostic criteria for brain death  
18 and meets the criteria for death under California's Uniform Determination of Death Act. My  
19 opinion is based on the following:

20             A.     Brain death is a very conservative diagnosis. It is made by applying  
21 uniform medical criteria in a hospital setting by two qualified physicians, during independent  
22 examinations at least 12 hours apart. A determination of brain death is made when there is no  
23 doubt in the findings. In the case of McMath, the medical evidence of her brain death has clearly  
24 exceeded the minimum criteria to determine brain death based on the Guidelines and what is  
25 required by law and the medical profession. McMath was independently determined to be brain  
26 dead in accordance with the accepted medical standards by three physicians while McMath was a  
27 patient at CHO in December 2013. Several accepted ancillary studies (four EEG's and a cerebral  
28 blood flow study) were obtained to assist with confirmation of her death. Brain death is not

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1 reversible. The brain permanently ceases to function without blood flow. The cerebral blood flow  
2 study performed on December 23, 2013 is conclusive evidence of McMath's death. The blood  
3 flow study involves the injection of a radioactive isotope into the blood stream. By placing a  
4 radioactivity counter over the head, the amount of blood flow into the brain can be measured. A  
5 cerebral blood flow study demonstrating no blood flow is consistent with death. The cerebral  
6 blood flow study performed on December 23, 2013, confirmed that McMath had no intracranial  
7 blood flow.

8           B.       There is no reliable medical evidence to support the allegation that McMath  
9 does not fulfill the accepted medical standards for brain death. The only accepted neurologic  
10 criteria for assessing McMath's brain function is a brain death evaluation performed in accordance  
11 with the accepted medical standards in the Guidelines. The accepted medical standards for  
12 determining pediatric brain death have not been applied to McMath since Dr. Fisher's evaluation  
13 on December 23, 2013. Although McMath has been in plaintiffs' custody since August 25, 2014,  
14 plaintiffs have not subjected McMath to a formal brain death evaluation in accordance with the  
15 Guidelines. In the absence of such an evaluation, there is no medical or legal basis to disturb the  
16 pronouncement of death made in accord with California's Uniform Determination of Death Act.

17           C.       The medical records from St. Peter's University Hospital, in New Jersey,  
18 where McMath was a patient in the PICU from January 6, 2014 to August 25, 2014, are entirely  
19 consistent with the diagnosis made at CHO that McMath has no brain or brain stem activity.  
20 While a patient in the PICU at Saint Peter's McMath failed to initiate breaths on CPAP,  
21 demonstrating a lack of respiratory drive. She had no spontaneous movement. Her pupils  
22 remained fixed and non-reactive. She had no cough or gag reflex. There is nothing in McMath's  
23 medical records from Saint Peter's University Hospital that would cause a reputable expert in  
24 pediatric or adult brain death to question or reconsider the accepted brain death assessments of Dr.  
25 Robin Shanahan, Dr. Robert Heidersbach and Dr. Paul Fisher.

26           D.       The testing performed on McMath at University Hospital on September 26,  
27 2014, are not accepted, validated ancillary studies and do not meet the accepted diagnostic criteria  
28 for determining pediatric brain death. None of the results of the testing performed on McMath on

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1 September 26, 2014, would cause a reputable expert in pediatric or adult brain death to question or  
2 reconsider the accepted brain death assessments of Dr. Robin Shanahan, Dr. Robert Heidersbach  
3 and Dr. Paul Fisher, or disturb a pronouncement of death made in accord with California law.  
4 Again, the only accepted criteria for assessing McMath's brain function is brain death evaluation  
5 performed under the accepted medical standards in the Guidelines. There is no substitute for the  
6 accepted medical standards. The accepted medical standards for determining pediatric brain death  
7 have not been applied to McMath since Dr. Fisher's evaluation on December 23, 2013.

8 20. In conclusion, it is my opinion to a degree of medical certainty that McMath meets  
9 the criteria for death under California's Uniform Determination of Death Act. There is no  
10 possibility that McMath has recovered, or will someday recover, from death.

11 I declare under penalty of perjury under the laws of the State of California that all of the  
12 foregoing is true and correct, and as to those matters stated on my information and belief, I believe  
13 them to be true, and if called upon to testify to the matters herein I can competently testify thereto.

14 Executed on March 16, 2017, at St. Petersburg, Florida.

15  
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18 THOMAS A. NAKAGAWA, M.D., FAAP, FCCM  
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Attorneys for Defendant FREDERICK S. ROSEN, M.D.

8 SUPERIOR COURT OF CALIFORNIA, COUNTY OF ALAMEDA

10 LATASHA NAILAH SPEARS  
WINKFIELD; MARVIN WINKFIELD;  
11 SANDRA CHATMAN; and JAHI  
McMATH, a minor, by and through her  
12 Guardian Ad Litem, LATASHA NAILAH  
SPEARS WINKFIELD,

13 Plaintiffs,

14 vs.

15 FREDERICK S. ROSEN, M.D.; UCSF  
16 BENIOFF CHILDREN'S HOSPITAL  
OAKLAND (formerly Children's Hospital &  
17 Research Center of Oakland); MILTON  
McMATH, a nominal defendant, and DOES  
18 1 THROUGH 100,

19 Defendants.

No. RG15760730  
ASSIGNED FOR ALL PURPOSES TO:  
JUDGE STEPHEN PULIDO  
DEPARTMENT 16

DECLARATION OF SANFORD  
SCHNEIDER, M.D., FAAN, FAAP

20 \_\_\_\_\_  
21 I, Sanford Schneider, M.D., FAAN, FAAP, declare:

22 1. I am a physician duly licensed to practice medicine in the State of California since  
23 1966. My license number is G-11962. I specialize in the neurological treatment of children and  
24 young adults and have three active American specialty board certifications: Neurology with a special  
25 qualification in Child Neurology, Pediatrics, and Neurodevelopmental Disabilities. I was elected and  
26 maintain Fellowships in the American Academy of Neurology, the American Neurological  
27 Association, and the American Academy of Pediatrics. I am presently Clinical Professor of  
28 Pediatrics at the College of Medicine, University of California, Irvine. Previously, I have been a

1 Professor of Neurology and Pediatrics and Head of the Section of Child Neurology at Loma Linda  
2 University School of Medicine and the School of Medicine of the University of Oklahoma. My  
3 pediatric neurology practice has consisted of a combination of patient evaluation and treatment,  
4 instructing medical students, residents, and fellows, and clinical research. My current curriculum  
5 vitae is appended hereto as Exhibit A.

6 2. I received my bachelor's degree from the University of Rochester [New York] in  
7 1959 and, in 1963, I received my Doctor of Medicine from the New York University School of  
8 Medicine [New York]. Subsequently, I completed a one-year internship in pediatrics at the Duke  
9 University Medical Center [Durham, North Carolina], followed by a two-year residency in pediatrics  
10 at Babies Hospital, Columbia-Presbyterian Medical Center [New York]. Following the completion  
11 of my pediatric training, I served as a Captain in the United States Air Force. From 1968-1971, I  
12 completed a three-year fellowship in Pediatric Neurology and Neurology at the Neurological Institute  
13 at Columbia-Presbyterian Medical Center [New York].

14 3. I have specialized in practice of Pediatric Neurology for the past forty-eight years.  
15 Following the completion of my fellowship in Pediatric Neurology in 1971, I was recruited to Loma  
16 Linda University School of Medicine [Loma Linda, CA], where I was the Director of the Division of  
17 Child Neurology and a Professor of Neurology and Pediatrics from 1971 to 1993. In addition, from  
18 1982 to 1991, I was the Chief and Chairman of the Department of Pediatrics at Riverside General  
19 Hospital/University Medical Center [Riverside, California]. I moved to Oklahoma in 1993. From  
20 1993 to 1997, I was an endowed Professor of Neurology and the Chief of the Division of Child  
21 Neurology at the Children's Hospital of Oklahoma. After returning to California in 1997, I continued  
22 to see private practice patients as well as being Chief of the Pediatric Neurology Clinics at  
23 Arrowhead Regional Medical Center [Colton, CA]. In 2007, I began an association with Children's  
24 Hospital of Orange County [Orange, CA], where I see private pediatric patients and instruct and  
25 supervise child neurology fellows, residents and medical students. Since 2011, I have been a  
26 Clinical Professor of Pediatrics at the School of Medicine, University of California, Irvine. I  
27 currently have unrestricted medical staff privileges at Children's Hospital of Orange County and at  
28 Arrowhead Regional Medical Center.

1           4.       My research interests have included the determination of cerebral [brain] death in  
2 children and the universal standardization of the brain death diagnostic criteria for children and  
3 infants. I have published on these subjects in recognized peer review journals including *Pediatrics*,  
4 *Pediatric Neurology*, and the *Annals of Neurology*.

5           5.       I am aware that the Legislature of the State of California has adopted the Uniform  
6 Determination of Death Act, which provides that an individual is dead if he or she has sustained an  
7 irreversible cessation of all functions of the entire brain, including the brain stem. I am aware that  
8 when an individual is pronounced dead by determining that the individual has sustained an  
9 irreversible cessation of all functions of the entire brain, including the brain stem, there must be  
10 independent confirmation by another physician. In California, as well as virtually all other states, the  
11 determination of death, including brain death, must be made in accordance with "accepted medical  
12 standards." Virtually all other states have adopted legislation similar to California's Uniform  
13 Determination of Death Act.

14           6.       I am familiar with the "accepted medical standards" for determining brain death in  
15 children and infants. The clinical criteria for determining the irreversible cessation of all functions of  
16 the entire brain, including the brain stem, in children and infants were initially published by a  
17 multi-society Task Force in 1987. My work and research in pediatric brain injury and cerebral death  
18 led to my service on this multi-society Task Force. I am a co-author of the Task Force's report, titled  
19 American Academy of Pediatrics, Task Force on Brain Death in Children. Report of Special Task  
20 Force: Guidelines for Determination of Brain Death in Children, which was published in *Pediatrics*  
21 1987;80(2):298-300, *Pediatr. Neurol.* 1987;3(4):242-243, and the *Annals of Neurology* 1987;  
22 21:616-617. Several years ago, a second task force published an update to the 1987 pediatric brain  
23 death guidelines. The report that resulted from the committee's work, titled Guidelines for the  
24 Determination of Brain Death in Infants and Children: An Update of the 1987 Task Force  
25 Recommendations, was published in 2011 in *Critical Care Medicine* 2011; 39:2139-2155;  
26 *Pediatrics* 2011;128:3 e720-e740; *Annals of Neurology* 2012;71:573-585; and *Clinical Pulmonary*  
27 *Medicine* 2012;19:119-126 [hereinafter "Guidelines"]. A true and correct copy of the Guidelines is  
28 appended hereto at Exhibit B.

1           7.     The Guidelines represent the "accepted medical standards" for determining brain  
2 death in infants and children. The Guidelines are accepted nationwide, have been endorsed by the  
3 relevant medical societies, have been adopted by hospitals as the standard for determining pediatric  
4 brain death, and are utilized by attending pediatric critical care specialists and neurologists in  
5 determining whether a child is deceased due to brain death. From a legal, medical and societal  
6 perspective, it is uniformly accepted that a person, including a child, is dead when the neurologic  
7 diagnostic criteria of total and irreversible cessation of brain function in the Guidelines are fulfilled.

8           8.     It is the medical and legal consensus that brain death is the criterion for death for  
9 that individual. Put simply, brain death is the irreversible loss of the integrative control of the brain  
10 to sustain biological control to sustain life. When brain death has occurred, the brain can no longer  
11 do what it is supposed to do. With destruction of the brain stem, the probability to ever regain  
12 function no longer exists. The brain and brain stem may still retain small pockets of surviving cells,  
13 but the organism itself is permanently dysfunctional. The neurologic criteria in the Guidelines is the  
14 clinical determination that a patient has sustained an irreversible (i.e., permanent) loss of neurologic  
15 function. A diagnosis of brain death made in accord with the Guidelines means that there is no  
16 medical possibility of recovery.

17           9.     After brain death has occurred, with medical and respiratory support, the body  
18 [corpse] may remain intact. The circulatory and respiratory systems in a brain-dead individual are  
19 entirely dependent on the mechanical ventilator that supplies oxygen, and the medications that  
20 maintain the blood pressure and fluid balance. Hormones normally secreted by the brain [thyroid,  
21 adrenocorticoid, vasopressin] have to be externally supplied. The apparent signs of life [heartbeat,  
22 temperature, blood flow, hair and nail growth, spinal reflexive movements, chest rising and falling]  
23 are due to this technological support. To family members, these support systems may conceal the  
24 fact that death has occurred. However, once the external support is withdrawn, the heart will cease  
25 to beat and the corpse will sustain circulatory collapse. A beating heart and spinal reflexes in a  
26 brain-dead individual maintained on external support are not signs of life or the potential for  
27 recovery. Rather, the ventilator, medications and other interventions are preventing the natural  
28 decomposition of a corpse. Science has reached a point where corpses can be maintained on external

1 support for prolonged periods. With the advent of transplant surgery, lay people can begin to  
2 understand that specific body organs can be viable after death and hearts, lungs, kidneys, even hands  
3 and faces can be utilized many hours after the donor's death. An infant's heart salvaged from a  
4 traumatic death can be flown cross country and many hours later re-implanted to replace a failing  
5 heart in another infant. A heart that continues to beat in a brain-dead individual on external support  
6 does not indicate that the person is alive. The fact that a brain-dead person's heart has not ceased to  
7 beat does not support the possibility of life, but simply that the corpse is being sustained by  
8 extraordinary external measures.

9 10. I have forty-eight years of experience in the evaluation and care of children with  
10 neurological disorders. As a specialist in the practice of Pediatric Neurology, I am responsible for  
11 diagnosing and treating children who have unstable, life-threatening and end-of-life conditions,  
12 including cardiopulmonary failure and brain trauma. I have significant professional experience in  
13 applying the accepted medical standards for determining brain death in children. During the course  
14 of my practice as a Pediatric Neurologist, I estimate that I have performed, or overseen, more than  
15 300 examinations utilizing the accepted medical standards for determining brain death in children.  
16 My education, training and experience render me qualified to provide an expert opinion on whether a  
17 mistake was made in the diagnosis of Jahi McMath's brain death and whether the accepted medical  
18 standards were correctly applied to Jahi McMath [hereinafter "J. McMath"].

19 11. I have been retained by law firms of Hinshaw, Marsh, Still & Hinshaw, LLP,  
20 attorneys for defendant Frederick S. Rosen, M.D., and Galloway, Lucchese, Everson & Picchi,  
21 attorneys for defendant UCSF Benioff Children's Hospital Oakland, to review the medical records  
22 and other materials pertaining to J. McMath. Along with plaintiffs' First Amended Complaint, I  
23 have received and reviewed the following materials pertaining to J. McMath in connection with my  
24 review:

- 25 • A CD containing the imaging studies of the brain MRI (without contrast), MR  
26 angiogram (without contrast) and MRV (without contrast) performed at University  
27 Hospital (New Jersey) and the report of these imaging studies dated 9-26-14 (pp. 1-  
28 9)
- A CD containing 7 chest x-rays and 1 ultrasound produced by Saint Peter's  
University Hospital
- A CD containing the imaging studies performed at Children's Hospital Oakland  
including the chest x-rays on 12-10-13 and 12-11-13, the head CT on 12/11/13, and

- 1 the radionuclide cerebral blood flow study on 12-23-13
- 2 • A CD containing the 4 EEG recordings performed at Children's Hospital Oakland
  - 3 • Records of Children's Hospital Oakland
  - 4 • Records of Saint Peter's University Hospital (pp. 1-12702)
  - 5 • Records of Kaiser Permanente Hayward (pp.1-94)
  - 6 • Records of Kaiser Permanente Oakland (pp. 1-7)
  - 7 • Records produced by Med Life Pharmacy (pp. 1-36)
  - 8 • Records produced by Preferred Home Health Care (pp. 1-350)
  - 9 • Records produced by Thi Nguyen, M.D. (pp. 1-368)
  - 10 • Records of Alieta Eck, M.D. (pp. 1-151)
  - 11 • Records of Bayada Home Health Care (pp. 1-4655)
  - 12 • Records of University Hospital (pp. 1-5)
  - 13 • A CD containing video recordings numbered 1 to 34 produced by plaintiffs
  - 14 • A CD containing video recordings numbered 1 to 17 produced by plaintiffs
  - 15 • Photographs produced by plaintiffs numbered 1-288
  - 16 • Paul Byrne declaration date 12-20-13
  - 17 • Updated declaration of D. Alan Shewmon dated 12-10-14
  - 18 • Calixto Machado declaration dated 10-5-14, and curriculum vitae
  - 19 • Calixto Machado letter to Philip De Fina dated 9-29-14
  - 20 • Letter from Alieta Eck, M.D., dated 4-10-16
  - 21 • Philip De Fina declaration dated 10-2-14
  - 22 • The EEG report provided by Elena Labkovsky
  - 23 • Ivan Mikolaenko declaration dated 10-7-14
  - 24 • Charles Prestiacomo declaration dated 10-8-14
  - 25 • Latasha Winkfield declaration filed 12-20-13
  - 26 • Paul Fisher's curriculum vitae
  - 27 • Paul Fisher letter dated 12/23/13 and brain death exam notes and checklist dated
  - 28 • 12/23/13, prepared by Paul Fisher
  - Reporter's Transcript of Proceedings on 12-24-13
  - Amended Order filed 1-2-14
  - Order filed 10-1-2014
  - Writ of Error Corum Nobis filed on 10-3-2014
  - D. Alan Shewmon declaration dated 10-3-2014 and curriculum vitae
  - Philip De Fina declaration and curriculum vitae
  - Calixto Machado declaration and curriculum vitae
  - Charles Pretigiaco declaration and curriculum vitae
  - Elena B. Labkovsky declaration and curriculum vitae
  - EEG report prepared by Elena Labrovsky
  - Court order Appointing Paul Fisher filed on 10-6-14, including Dr. Fisher's CV,
  - and Dr. Fisher's letter dated 10-6-14, which includes Dr. Fisher's examination and
  - consultation finding of Jahi McMath on December 23, 2013, and a copy of the
  - Guidelines
  - Declaration of Sharon Williams, M.D. filed December 20, 2013, and attachment
  - Declaration of Robin Shanahan, M.D., filed December 20, 2013
  - Declaration of Robert Heidersbach, M.D., filed December 20, 2013
  - Declaration of Paul Byrne, M.D., filed December 30, 2013
  - Declaration of Christopher Dolan, filed December 30, 2013
  - Opposition to Ex Parte Application filed by Children's Hospital on December 30,
  - 2013
  - Declaration of Dr. Ann Petru filed January 3, 2014
  - Declaration of Dr. Heidi Flori filed January 3, 2014
  - Declaration of Dr. Sidney Gospe, Jr., filed January 3, 2014

12. I have also read the Reporter's Transcripts of the December 23, 2013 and December



1 24, 2013, hearings involving Ms. Winkfield's opposition to the hospital's withdrawal of J. McMath  
2 mechanical ventilator following the pronouncement of death on December 12, 2013. The Reporter's  
3 Transcripts are important to my understanding of J. McMath's medical condition, whether or not the  
4 accepted medical standards were applied in accord with the Guidelines, and whether or not a mistake  
5 was made in J. McMath's diagnosis. My opinions in this case are based in significant part on the  
6 Reporter's Transcripts. Two physicians testified at the December 24, 2013 hearing, Robin Shanahan,  
7 M.D., and Paul Fisher, M.D., regarding the specifics of their brain death examinations, performed at  
8 Children's Hospital Oakland on December 11, 2013 and December 23, 2013, respectively. The two  
9 physicians' testimony expounds on the physicians' documentation of their brain death examinations  
10 set forth in the medical records. Since J. McMath has not undergone a brain death examination since  
11 December 2013, Dr. Fisher and Dr. Shanahan's testimony is important evidence of J. McMath's  
12 medical condition.

13 13. Based on my education, training, knowledge and experience in pediatric brain  
14 death, including the application of the accepted medical standards in Guidelines, and having  
15 reviewed the medical records and imaging studies, as well as the Reporter's Transcripts and the  
16 testimony of Paul Fisher, M.D., and Robin Shanahan, M.D., at the hearing on December 24, 2013, it  
17 is my opinion that there were no errors made in the determination of J. McMath's brain death in  
18 December 2013 at Children's Hospital Oakland. J. McMath fulfills the accepted pediatric diagnostic  
19 criteria for brain death, and Dr. Robin Shanahan, Dr. Robert Heidersbach and Dr. Paul Fisher  
20 appropriately applied the accepted medical standards. Indeed, Dr. Fisher examination exceeded what  
21 is required to find brain death. J. McMath was appropriately pronounced deceased under California  
22 law.

23 14. Based on my education, training, knowledge and experience in pediatric brain  
24 death, including the application of the accepted medical standards in Guidelines, and having  
25 reviewed the medical records, EEG and imaging studies from Children's Hospital Oakland, as well  
26 as the Reporter's Transcripts and the testimony of Paul Fisher, M.D., and Robin Shanahan, M.D., at  
27 the hearing on December 24, 2013, it is my opinion, to a reasonable degree of medical certainty, that  
28 J. McMath is dead. J. McMath's death was established by a known cause of coma [anoxia during the

1 2 ½ hour code blue resuscitation], and three subsequent brain death evaluations performed by three  
2 different qualified physicians [Robin Shanahan, M.D., Robert Heidersbach, M.D., and Paul Fisher,  
3 M.D.], which included the required neurological examination and apnea tests on each occasion.  
4 J. McMath had no evidence of brain activity or brain stem reflexes. During apnea testing she took no  
5 spontaneous breaths while off the mechanical respirator for greater than nine minutes despite  
6 elevated arterial carbon dioxide levels. The clinical assessment of brain death was corroborated by  
7 several accepted ancillary studies, including four isoelectric or 'flat' EEGs and a radionuclide cerebral  
8 blood flow study. I have personally reviewed four EEG recordings and the radionuclide cerebral  
9 blood flow study, and I agree with the medical findings made at the time. The radionuclide cerebral  
10 blood study is diagnostic of J. McMath's brain death in that it conclusively demonstrates there is no  
11 blood flow going in J. McMath's brain. A brain ceases to function if it is deprived of blood flow for  
12 more than five minutes.

13 15. Based on my education, training, knowledge and experience in pediatric brain  
14 death, including the accepted medical standards in the Guidelines, as well as my review of the  
15 records in this matter, J. McMath continues to fulfill the accepted diagnostic criteria for brain death,  
16 i.e., coma, lack of brain stem reflexes, and the absence of spontaneous respiration.

17 a. Following J. McMath's discharge from Children's Hospital Oakland, on  
18 January 6, 2014, J. McMath was admitted to Saint Peter's University Hospital ["Saint Peter's"] in  
19 New Brunswick, New Jersey, for placement of a tracheostomy for mechanical ventilation and  
20 percutaneous endoscopic gastrostomy tube placement for nutrition following brain death. These  
21 procedures were performed on January 8, 2014. Since there was no rehabilitative facility that was  
22 willing to accept J. McMath, J. McMath was hospitalized in the pediatric intensive care unit at Saint  
23 Peter's until August 25, 2014. The chart reflects that on admission on January 6, 2014, J. McMath  
24 was examined at length by the Chief of Pediatric Critical Care, Siva P. Jonna, M.D. Dr. Jonna  
25 reported his clinical examination was consistent with brain death. J. McMath was non-responsive,  
26 had no cough or gag reflex, no pupillary responses, and no spontaneous breathing. On January 9,  
27 2014, Dr. Jonna noted in the progress notes that he spoke with the mother, grandmother and father  
28 about J. McMath's brain death and loss of brain function. On January 10, 2014, Dr. Jonna reported

1 that he explained to J. McMath's family that there was "no hope of brain recovery." Although no  
2 formal brain death evaluation per the Guidelines was ever performed on J. McMath during her  
3 hospitalization at Saint Peter's, the daily neurological assessments performed by the PICU team were  
4 at all times consistent with lack of brain and brain stem function, and the diagnosis was that  
5 J. McMath was brain dead. The records document that J. McMath was at all times in a coma, had no  
6 brain stem reflexes, had no meaningful movement, lacked spontaneous respiration, and was fully  
7 dependent on external support. On August 25, 2014, J. McMath was discharged to Ms. Winkfield's  
8 apartment in New Jersey where J. McMath has received continuous 24-hour a day home nursing  
9 care. The discharge diagnosis from Saint Peter's was brain death due to cardiopulmonary arrest and  
10 hypoxic ischemic encephalopathy. A selection of records from Saint Peter's is appended hereto at  
11 Exhibit C.

12           b.       On September 26, 2014, J. McMath was subjected to several tests at  
13 University Hospital, in Newark, New Jersey, including brain imaging studies, a brain stem auditory  
14 evoked potentials, a somatosensory evoked potentials (upper extremities), a visual evoked potentials,  
15 and electroencephalography. Although these tests are not the accepted diagnostic criteria for  
16 determining brain death, i.e., the Guidelines, the results are consistent with J. McMath's diagnosis of  
17 brain death made in December 2013. None of the test results would cause a reputable expert in  
18 pediatric or adult brain death to question or reconsider the accepted brain death assessments of  
19 Dr. Robin Shanahan, Dr. Robert Heidersbach and Dr. Paul Fisher performed in December 2013 at  
20 Children's Hospital Oakland. The reports for the tests performed on J. McMath at University  
21 Hospital on September 26, 2014 tests are appended hereto at Exhibit D.

22           16.       I have reviewed all of the evidence submitted by the plaintiffs in this case. No  
23 reputable expert in pediatric or adult brain death would reasonably rely on plaintiffs' evidence to  
24 make a brain death assessment. The *only* accepted method of assessing brain death is a brain death  
25 evaluation performed in accord with the accepted criteria in the Guidelines.

26           17.       J. McMath has not undergone a brain death evaluation since Dr. Fisher's evaluation  
27 on December 23, 2013. The Guidelines provide that the determination of brain death in children is a  
28 clinical diagnosis based on the absence of neurologic function with a known irreversible cause of

1 coma. The brain death assessment must be made independently by two physicians who are familiar  
2 with the patient's history and completed the neurologic examinations in accord with the Guidelines.  
3 The brain death examination consists of (1) identifying the cause and presence of irreversible coma,  
4 i.e., complete loss of consciousness, vocalization, volitional activity, and lack of response to painful  
5 stimuli, (2) normalizing physiologic parameters prior to the clinical examination, (3) a physical  
6 examination that demonstrates the absence of brain stem reflexes, and (4) apnea testing  
7 demonstrating the absence of respiratory control system reflexes in the brain stem. The clinical  
8 examinations should be carried out by experienced clinicians who are familiar with children, and  
9 have specific training in neurocritical care, such as pediatric neurologists and pediatric intensivists.

10 a. Prior to the clinical examination, the examining physician must confirm the  
11 patient is eligible for a brain death examination, i.e., the prerequisites for initiating a brain death  
12 evaluation. Hypotension, hypothermia, metabolic disturbances, and medications, which can interfere  
13 with neurologic examination and apnea testing, must be identified and corrected before proceeding  
14 with the brain death evaluation.

15 b. The physical examination consists of neurologic tests that document loss of  
16 all brain stem reflexes, including (1) mid-position or fully dilated pupils which do not respond to  
17 light; typically fixed in a mid-size or dilated position (4-9mm), (2) absence of movement of bulbar  
18 musculature including facial or oropharyngeal muscles, (3) absent gag, cough, sucking and rooting  
19 reflex, (4) absent corneal reflexes, and (5) absent oculovestibular reflexes.

20 c. The two examinations must include apnea testing unless there is a medical  
21 contraindication or hemodynamic instability. A positive apnea test is an essential sign of definitive  
22 loss of brain function. The main objective of apnea testing is to prove the absence of respiratory  
23 control system reflexes in the brain stem when intense physiologic stimulation to breathe [elevated  
24 arterial carbon dioxide] occurs. Apnea testing requires documentation of arterial blood gases in a  
25 hospital setting.

26 d. There are only two accepted ancillary tests to assist with a determination of  
27 brain death: an electroencephalogram [EEG] and a radionuclide cerebral blood flow study. These  
28 two ancillary studies are not required to establish brain death. Nor are they a substitute for the

1 required clinical evaluation. These ancillary tests must be performed in a hospital setting by  
2 technicians holding the requisite education, training and experience. EEG testing must be performed  
3 in accordance with the guidelines established by the American Electroencephalographic Society.  
4 Interpretation of the ancillary studies requires the expertise of appropriately trained and qualified  
5 individuals who understand the limitations of these studies to avoid any potential misinterpretation.  
6 Further, similar to the neurologic examination, hemodynamic and temperature parameters should be  
7 normalized before obtaining EEG or cerebral blood flow studies.

8 e. Brain MRI and MR angiography are not validated tests to assess brain death.  
9 The Guidelines state: "MRI-MR angiography, and perfusion MRI imaging have not been studied  
10 sufficiently nor validated in infants and children and cannot be recommended as ancillary studies to  
11 assist with the determination of brain death in children at this time." (Ex. B, p. e729.)

12 The above accepted medical standards for diagnosing pediatric brain death have not been  
13 applied to J. McMath since Dr. Paul Fisher's examination performed at Children's Hospital Oakland  
14 on December 23, 2013.

15 18. The records reflect that J. McMath has demonstrated spinal reflexes since her death  
16 on December 12, 2013. It is documented in the medical records from Children's Hospital Oakland  
17 and Saint Peter's University Hospital that J. McMath has frequent purposeless spinal reflexive  
18 movements with and without tactile stimulation to the body. Spinal reflexes may remain intact after  
19 brain death and are a known and common phenomenon in brain dead patients maintained on  
20 mechanical ventilation. J. McMath's attending physicians at Children's Hospital Oakland and Saint  
21 Peter's assessed J. McMath's movements as reflexive spinal movements by neurological exam and  
22 serial EEG studies. The attending physicians at Children's Hospital and Saint Peter's routinely  
23 checked J. McMath's brain stem reflexes and at all times found she has no brain activity and is dead.  
24 The medical records reflect that the physicians at both Children's Hospital Oakland and Saint Peter's  
25 explained to J. McMath's family that the movements are spinal reflexes and do not signify that  
26 J. McMath is alive. In addition, the somatosensory evoked potentials test, performed on J. McMath  
27 at University Hospital on September 26, 2014, appended at Exhibit D hereto, documents that  
28 J. McMath's spinal cord has some integrity up to the C5 cervical vertebrae, which explains the spinal

1 reflexes, but there is loss of neurological brain pathway function above this level, which is consistent  
 2 with brain death. It is a medical impossibility that J. McMath is moving in response to verbal  
 3 commands. The brain stem auditory evoked potentials test performed at University Hospital on  
 4 September 26, 2014, appended at Exhibit D hereto, demonstrates that as a result of J. McMath's  
 5 brain death she has no auditory pathways; there were no evoked cerebral potentials to maximum  
 6 aural stimulation. This test result establishes to a reasonable degree of medical certainty that J.  
 7 McMath cannot respond to verbal commands because she has no cerebral mechanism to hear sound.

8 19. In conclusion, it is my opinion to a reasonable degree of medical certainty that  
 9 J. McMath fulfills the criteria for death under California's Uniform Determination of Death Act.  
 10 There is absolutely no medical possibility that J. McMath has recovered, or will someday recover,  
 11 from death.

12 20. I understand that plaintiffs' allegation that J. McMath is not dead is based on the  
 13 opinion of D. Alan Shewmon, M.D. The dissenting theory proposed by Dr. Shewmon is that death is  
 14 not a neurological phenomena and death only occurs after total cessation of the systemic circulation.  
 15 This theory is contrary to the accepted medical and legal standards that brain death is a legal criterion  
 16 for death. Dr. Shewmon's opinion is a philosophical minority opinion that denies and conflicts with  
 17 the accepted medical standards in the Guidelines as well as California law.

18 I declare under penalty of perjury under the laws of the State of California that all of the  
 19 foregoing is true and correct, and as to those matters stated on my information and belief, I believe  
 20 them to be true, and if called upon to testify to the matters herein I can competently testify thereto.

21 Executed on November 9, 2016, at RIVERSIDE California

22 

23 By: \_\_\_\_\_  
 24 SANFORD SCHNEIDER, M.D., FAAN, FAAP

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**PROOF OF SERVICE**  
(C.C.P. §§ 1013a, 2015.5)

I, the undersigned, say:

I am now and at all times herein mentioned have been over the age of 18 years, a resident of the State of California and employed in Santa Clara County, California, and not a party to the within action or cause; my business address is 12901 Saratoga Avenue, Saratoga, California 95070.

I am readily familiar with this firm's business practice for collection and processing of correspondence for mailing with the U.S. Postal Service, mailing via Federal Express, hand delivery via messenger service, and transmission by facsimile machine. I served a copy of each of the documents listed below by placing said copies for processing as indicated herein.

**CASE MANAGEMENT STATEMENT**

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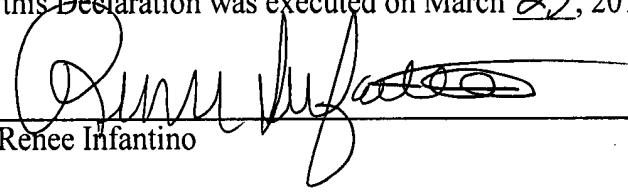
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12  
13 I certify (or declare) under penalty of perjury under the laws of the State of California  
that the foregoing is true and correct and that this Declaration was executed on March 22, 2017.

14  
15   
16 Renee Infantino

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24  
25  
26  
27 Court: Alameda County Superior Court  
Action No: RG15760730  
28 Case Name: *Spears/Winkfield, et al. v. Rosen, M.D., et al.*