2246936 **Original Transcript** IN THE CIRCUIT COURT OF ST. LOUIS STATE OF MISSOURI RACHELL BROWN, KEITH STRONG and KAELAH STRONG, a minor, by her Mother and next  $\pm \cdot \pm \cdot e_{1}$ friend, Rachelle Brown, Plaintiffs, Case No. 022-11254 VS. SAINT LOUIS UNIVERSITY and JAMES P. BOEDEKER, M.D., Defendants. **DEPOSITION OF** MARVIN D. NELSON, JR., III, M.D. February 25, 2005 10:00 a.m. Children's Hospital 4650 Sunset Boulevard Los Angeles, California Cynthia L. Varela, Certified Shorthand Reporter Nationwide Scheduling set**depo** Toll Free: 1.800.451.3376 Sd Facsimile: 1.888.451.3376 Streamlined · Contralized · Standardized The Evolution of Deposition Manapament www.setdepo.com

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| 1  | APPEARANCES                            |
| 2  |  |
| 3  | FOR PLAINTIFFS:                        |
| 4  | WALTHER/GLENN LAW ASSOCIATES           |
| 5  | BY: MYRON S. ZWIBELMAN, ESQUIRE        |
| 6  | (PRESENT BY TELEPHONE)                 |
| 7  | 1034 South Brentwood                   |
| 8  | Suite 1300                             |
| 9  | Clayton, Missouri 63117                |
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| 11 | FOR DEFENDANT JAMES P. BOEDEKER, M.D.: |
| 12 | ARMSTRONG & TEASDALE                   |
| 13 | BY: KRISTIN D. BYRD, ATTORNEY AT LAW   |
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| 15 | Suite 2600                             |
| 16 | St. Louis, Missouri 63102-2740         |
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| 18 | FOR DEFENDANT ST. LOUIS UNIVERSITY:    |
| 19 | BROWN & JAMES                          |
| 20 | (NOT PRESENT)                          |
| 21 | 1010 Market                            |
| 22 | 20th Floor                             |
| 23 | St. Louis, Missouri 63101              |
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| 1  | Deposition of Marvin D. Nelson, Jr. III, M.D. |
| 2  | February 25, 2005                             |
| 3  | MARVIN D. NELSON, JR., III, M.D.,             |
| 4  | having been first duly sworn, testifies as    |
| 5  | follows:                                      |
| 6  | EXAMINATION                                   |
| 7  | BY-MR.ZWIBELMAN:                              |
| 8  | Q. Tell my your name, please.                 |
| 9  | A. Marvin D. Nelson, Jr.                      |
| 10 | Q. Where do you live, sir?                    |
| 11 | A. I live in La Ca±ada, California.           |
| 12 | Q. I have not been supplied with your         |
| 13 | curriculum vitae on this case, but I do have  |
| 14 | one from an old case dated 9/9 of '03. The    |
| 15 | last article on that was the author was       |
| 16 | Zee, Z-e-e.                                   |
| 17 | Do you have a current CV?                     |
| 18 | A. Yes, I do.                                 |
| 19 | Q. Can you tell me what needs to be           |
| 20 | added to the CV that I have to bring it up    |
| 21 | to date?                                      |
| 22 | A. What was the date on it, 2003?             |
| 23 | Q. 9/9/2003?                                  |
| 24 | A. Well, I have 83 publications now.          |
| 25 | Q. Let's see. Hold on. Just a                 |



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| 1  | minute. I have I have 80.                      |
| 2  | Well, let me ask you this. In                  |
| 3  | terms of the 83 publications first of all,     |
| 4  | the first 80 No. 81, the lead author is        |
| 5  | Wang?  |
| 6  | A. No. On my current one that's No.            |
| 7  | 76. But none of these publications since       |
| 8  | then have anything to do with this case.       |
| 9  | Q. Do any of the publications do               |
| 10 | any of the journal articles before September   |
| 11 | 9, 2003 have anything to do with this case?    |
| 12 | A. No, I don't think so.                       |
| 13 | Q. Do any of the articles and                  |
| 14 | presentation, invited articles, posters,       |
| 15 | abstracts, book chapters have any relevance to |
| 16 | this case?                                     |
| 17 | A. Probably the only one that would            |
| 18 | be of interest is just a second. Let me        |
| 19 | find it in the book chapters. Just a           |
| 20 | second. Somehow or another my secretary has    |
| 21 | eliminated my book chapters.                   |
| 22 | Q. You were part of a seminar, I               |
| 23 | believe, the neuroimaging of perinatal         |
| 24 | A. Yeah. That workshop. That's the             |
| 25 | only thing that has anything to do with        |
|    |  |

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| anything.                                     |
| Q. Do you have a copy of the                  |
| book?   |
| A. I don't have it handy.                     |
| Q. So that I understand, that )               |
| chapter, that was one of a number of lectures |
| that were given you or one of them; is that   |
| correct?                                      |
| A. Correct.                                   |
| Q. Okay. When were you first                  |
| contacted in this case?                       |
| A. October 2004.                              |
| Q. By whom were you first contacted?          |
| A. Robert Rosenthal.                          |
| Q. When was the first time that you           |
| talked to anyone from Mr. Gearin's office?    |
| A. A couple of weeks ago.                     |
| Q. Who was it that you spoke with?            |
| A. I don't recall.                            |
| Q. Have you ever been involved in any         |
| medical/legal cases for Mr. Gearin's office   |
| before?                                       |
| A. No.  |
| Q. On how many occasions have you             |
| testified on how many occasions have you      |
|   |



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| 1  | reviewed cases for attorneys in the           |
| 2  | metropolitan St. Louis area?                  |
| 3  | A. Four or five.                              |
| 4  | Q. Have you ever reviewed cases, given        |
| 5  | a deposition, or testified for anyone for     |
| 6  | plaintiff in the metropolitan St. Louis area? |
| 7  | Λ. Not that I recall.                         |
| 8  | Q. When Mr. Rosenthal contacted you,          |
| 9  | did he ask any particular questions?          |
| 10 | A. No.  |
| 11 | Q. Have you written any reports or            |
| 12 | prepared any notes?                           |
| 13 | A. No.  |
| 14 | Q. Why don't you tell me the material         |
| 15 | that you reviewed.                            |
| 16 | A. I've reviewed the imaging studies          |
| 17 | that were submitted to me on this child,      |
| 18 | which include a CT; dated November 13, 2000,  |
| 19 | a cranial ultrasound; dated 14 November 2000, |
| 20 | a CT; dated 20 November 2000, and an MRI;     |
| 21 | dated 27, November 2000. I have the imaging   |
| 22 | reports that go with that. In addition, I     |
| 23 | have reviewed the deposition of Mary          |
| 24 | Edwards-Brown.                                |
| 25 | Q. Okay. Is that the sum total of             |



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| 1  | everything you have reviewed?                 |
| 2  | A. Yes.                                       |
| 3  | Q. Did you ask for any records?               |
| 4  | A. No.  |
| 5  | Q. Were any records offered to you,           |
| 6  | but you decided not to review them?           |
| 7  | A. Well, my opinions are based on the         |
| 8  | imaging studies.                              |
| 9  | Q. I appreciate that.                         |
| 10 | But I know in previous cases where            |
| 11 | you worked with Mr. Rosenthal, he supplied    |
| 12 | you with all of the medical records.          |
| 13 | Did he supply you with the medical            |
| 14 | records in this case and you just decided not |
| 15 | to review them?                               |
| 16 | A. No. They were not sent to me.              |
| 17 | And I did not request them.                   |
| 18 | Q. Now, in terms of you talked to             |
| 19 | someone from Mr. Gearin's office for the      |
| 20 | first time a couple of weeks ago?             |
| 21 | A. I believe so, yes.                         |
| 22 | Q. Did you ever talk to Mr. Rosenthal         |
| 23 | at a time where a representative of Mr.       |
| 24 | Gearin was either present in the office or on |
| 25 | a conference call or anything like that?      |
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8 But I don't remember Probably. 1 Α. 2 the specifics. 3 Do you remember when that Q. 4 conversation was? 5 А. I don't remember specifically. Okay. 6 Q. 7 Several weeks ago, Α. 8 That was several weeks ago also? Ο. 9 Α. Yeah. At least. 10 Okay. How many times have you Q. talked with Mr. Gearin's office? 11 Prior to today? 12 Α. Q. Yes, sir. 13 14 Once I think. Α. How long did that conversation 15 ο. 16 last? 17 About 30 minutes. А. How long was your discussion today? 18 Q. 19 Α. About 30 minutes. 20 Do you believe you have sufficient Q. 21 information to render opinions in this case? 22 Α, Yes. In preparation for this deposition 23 Q. 24 or in preparation for your review of this 25 case, have you looked at any medical

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9 literature? 1 2 Α. No. Again, you said you have not 3 Q. written any reports. 4 Did you make any notes on Dr. 5 Edwards-Brown's deposition? 6 7 Α. No. Q. Did you highlight any part of her 8 deposition? 9 Α. 10 No. We'll get into it. 11 Q. 12 But is there any part of Dr. Edwards' deposition testimony that you disagree 13 with? 14 Α. Well, essentially I agree with the 15 timing. I think the injury is at least 48 16 17 to 72 hours old relative to the first CT 18 scan. I don't think that it is related to forceps use. 19 ο. Okay. Doctor, would you be kind 20 enough to look at the CAT scan, the film 21 itself, dated 11/13/00? 22 Okay. I have that up. 23 Α. You review CAT scans of neonates 24 Q. on a regular basis, do you not? 25

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| 1  | A. Yes, I do.                                 |
| 2  | Q. If you were to review this film            |
| 3  | and you would have changed history of         |
| 4  | intracranial hemorrhage, would you dictate to |
| 5  | the court reporter out loud how you would     |
| 6  | interpret this film?                          |
| 7  | A. Okay. Well, I think that there is          |
| 8  | hemorrhage in the scalp over the right        |
| 9  | frontal region. There's no CT evidence of a   |
| 10 | skull fracture. There's evidence of early     |
| 11 | swelling in both frontal lobes and in the     |
| 12 | left parietal region.                         |
| 13 | ' There's a small amount of                   |
| 14 | hemorrhage that's present between the         |
| 15 | hemisphere and along the tentorium. So my     |
| 16 | impression would be that this is an early     |
| 17 | cerebral infarction involving both frontal    |
| 18 | Lobes and left parietal regions.              |
| 19 | Q. Doctor, is there cerebral                  |
| 20 | infarction involving                          |
| 21 | A. Both left and right frontal lobes          |
| 22 | and left parietal lobes.                      |
| 23 | Q. If you look, sir, at the report on         |
| 24 | that film, I have it as being on page 87 of   |
| 25 | the Cardinal Glennon records.                 |
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| 1A.Well, I have a copy of the report2in front of me.3Q.Is there anything on the report4that you disagree with or that you would add5or delete?6A.Well, they don't seem to pick up7on the fact there's the swelling and early8infarction.9and subdural hemorrhage.9and subdural hemorrhage.10little subarachnoid hemorrhage.11certainly is a small amount of subdural12hemorrhage.13He talks about the scalp swelling,14but he doesn't really mention that there's15the early edema in both frontal lobes and16left parietal regions suggesting an early17infarct.18films.19Q.Q.It says on there, "the ventricles20are slightly small."21Did you find the ventricles are22small?23A.24after birth.25Q.20The early swelling that you   |    | 11  |
|--|----|---|
| <ul> <li>Q. Is there anything on the report</li> <li>that you disagree with or that you would add</li> <li>or delete?</li> <li>A. Well, they don't seem to pick up</li> <li>on the fact there's the swelling and early</li> <li>infarction. They just talk about subarachnoid</li> <li>and subdural hemorrhage. There may be a</li> <li>little subarachnoid hemorrhage. There</li> <li>certainly is a small amount of subdural</li> <li>hemorrhage.</li> <li>He talks about the scalp swelling,</li> <li>but he doesn't really mention that there's</li> <li>the early edema in both frontal lobes and</li> <li>left parietal regions suggesting an early</li> <li>infarct. But that's clearly present on the</li> <li>films.</li> <li>Q. It says on there, "the ventricles</li> <li>are slightly small."</li> <li>Did you find the ventricles are</li> <li>small?</li> <li>A. Yes. But that's a normal event</li> <li>after birth.</li> </ul> | 1  | A. Well, I have a copy of the report          |
| <ul> <li>that you disagree with or that you would add</li> <li>or delete?</li> <li>A. Well, they don't seem to pick up</li> <li>on the fact there's the swelling and early</li> <li>infarction. They just talk about subarachnoid</li> <li>and subdural hemorrhage. There may be a</li> <li>little subarachnoid hemorrhage. There</li> <li>certainly is a small amount of subdural</li> <li>hemorrhage.</li> <li>He talks about the scalp swelling,</li> <li>but he doesn't really mention that there's</li> <li>the early edema in both frontal lobes and</li> <li>left parietal regions suggesting an early</li> <li>infarct. But that's clearly present on the</li> <li>films.</li> <li>Q. It says on there, "the ventricles</li> <li>are slightly small."</li> <li>Did you find the ventricles are</li> <li>small?</li> <li>A. Yes. But that's a normal event</li> <li>after birth.</li> </ul>   | 2  | in front of me.                               |
| <ul> <li>5 or delete?</li> <li>6 A. Well, they don't seem to pick up</li> <li>on the fact there's the swelling and early</li> <li>infarction. They just talk about subarachnoid</li> <li>and subdural hemorrhage. There may be a</li> <li>little subarachnoid hemorrhage. There</li> <li>11 certainly is a small amount of subdural</li> <li>hemorrhage.</li> <li>13 He talks about the scalp swelling,</li> <li>but he doesn't really mention that there's</li> <li>the early edema in both frontal lobes and</li> <li>left parietal regions suggesting an early</li> <li>infarct. But that's clearly present on the</li> <li>films.</li> <li>19 Q. It says on there, "the ventricles</li> <li>are slightly small."</li> <li>21 Did you find the ventricles are</li> <li>22 small?</li> <li>A. Yes. But that's a normal event</li> <li>after birth.</li> </ul>  | 3  | Q. Is there anything on the report            |
| <ul> <li>A. Well, they don't seem to pick up</li> <li>on the fact there's the swelling and early</li> <li>infarction. They just talk about subarachnoid</li> <li>and subdural hemorrhage. There may be a</li> <li>little subarachnoid hemorrhage. There</li> <li>certainly is a small amount of subdural</li> <li>hemorrhage.</li> <li>He talks about the scalp swelling,</li> <li>but he doesn't really mention that there's</li> <li>the early edema in both frontal lobes and</li> <li>left parietal regions suggesting an early</li> <li>infarct. But that's clearly present on the</li> <li>films.</li> <li>Q. It says on there, "the ventricles</li> <li>are slightly small."</li> <li>Did you find the ventricles are</li> <li>small?</li> <li>A. Yes. But that's a normal event</li> <li>after birth.</li> </ul>   | 4  | that you disagree with or that you would add  |
| <ul> <li>on the fact there's the swelling and early infarction. They just talk about subarachnoid and subdural hemorrhage. There may be a little subarachnoid hemorrhage. There certainly is a small amount of subdural hemorrhage.</li> <li>He talks about the scalp swelling, but he doesn't really mention that there's the early edema in both frontal lobes and left parietal regions suggesting an early infarct. But that's clearly present on the films.</li> <li>Q. It says on there, "the ventricles are small?</li> <li>Did you find the ventricles are small?</li> <li>A. Yes. But that's a normal event after birth.</li> </ul>   | 5  | or delete?                                    |
| <ul> <li>8 infarction. They just talk about subarachnoid</li> <li>9 and subdural hemorrhage. There may be a</li> <li>10 little subarachnoid hemorrhage. There</li> <li>11 certainly is a small amount of subdural</li> <li>12 hemorrhage.</li> <li>13 He talks about the scalp swelling,</li> <li>14 but he doesn't really mention that there's</li> <li>15 the early edema in both frontal lobes and</li> <li>16 left parietal regions suggesting an early</li> <li>17 infarct. But that's clearly present on the</li> <li>18 films.</li> <li>19 Q. It says on there, "the ventricles</li> <li>20 are slightly small."</li> <li>21 Did you find the ventricles are</li> <li>22 small?</li> <li>23 A. Yes. But that's a normal event</li> <li>24 after birth.</li> </ul>   | 6  | A. Well, they don't seem to pick up           |
| 9 and subdural hemorrhage. There may be a<br>little subarachnoid hemorrhage. There<br>certainly is a small amount of subdural<br>hemorrhage.<br>12 hemorrhage.<br>13 He talks about the scalp swelling,<br>but he doesn't really mention that there's<br>the early edema in both frontal lobes and<br>left parietal regions suggesting an early<br>infarct. But that's clearly present on the<br>films.<br>19 Q. It says on there, "the ventricles<br>are slightly small."<br>21 Did you find the ventricles are<br>small?<br>23 A. Yes. But that's a normal event<br>after birth.   | 7  | on the fact there's the swelling and early    |
| 10 little subarachnoid hemorrhage. There<br>11 certainly is a small amount of subdural<br>12 hemorrhage.<br>13 He talks about the scalp swelling,<br>14 but he doesn't really mention that there's<br>15 the early edema in both frontal lobes and<br>16 left parietal regions suggesting an early<br>17 infarct. But that's clearly present on the<br>18 films.<br>19 Q. It says on there, "the ventricles<br>20 are slightly small."<br>21 Did you find the ventricles are<br>22 small?<br>23 A. Yes. But that's a normal event<br>24 after birth.   | 8  | infarction. They just talk about subarachnoid |
| 11 certainly is a small amount of subdural<br>hemorrhage. 13 He talks about the scalp swelling,<br>but he doesn't really mention that there's<br>the early edema in both frontal lobes and<br>left parietal regions suggesting an early<br>infarct. But that's clearly present on the<br>films. 19 Q. It says on there, "the ventricles<br>are slightly small." 21 Did you find the ventricles are<br>small? 23 A. Yes. But that's a normal event<br>after birth.  | 9  | and subdural hemorrhage. There may be a       |
| 12 hemorrhage. 13 He talks about the scalp swelling, 14 but he doesn't really mention that there's 15 the early edema in both frontal lobes and 16 left parietal regions suggesting an early 17 infarct. But that's clearly present on the 18 films. 19 Q. It says on there, "the ventricles 20 are slightly small." 21 Did you find the ventricles are 22 small? 23 A. Yes. But that's a normal event 24 after birth.   | 10 | little subarachnoid hemorrhage. There         |
| <ul> <li>He talks about the scalp swelling,</li> <li>but he doesn't really mention that there's</li> <li>the early edema in both frontal lobes and</li> <li>left parietal regions suggesting an early</li> <li>infarct. But that's clearly present on the</li> <li>films.</li> <li>Q. It says on there, "the ventricles</li> <li>are slightly small."</li> <li>Did you find the ventricles are</li> <li>small?</li> <li>A. Yes. But that's a normal event</li> <li>after birth.</li> </ul>   | 11 | certainly is a small amount of subdural       |
| 14 but he doesn't really mention that there's<br>15 the early edema in both frontal lobes and<br>16 left parietal regions suggesting an early<br>17 infarct. But that's clearly present on the<br>18 films.<br>19 Q. It says on there, "the ventricles<br>20 are slightly small."<br>21 Did you find the ventricles are<br>22 small?<br>23 A. Yes. But that's a normal event<br>24 after birth.  | 12 | hemorrhage.                                   |
| 15 the early edema in both frontal lobes and<br>left parietal regions suggesting an early<br>infarct. But that's clearly present on the<br>films. 19 Q. It says on there, "the ventricles<br>are slightly small." 21 Did you find the ventricles are<br>small? 23 A. Yes. But that's a normal event<br>after birth.  | 13 | He talks about the scalp swelling,            |
| 16 left parietal regions suggesting an early<br>17 infarct. But that's clearly present on the<br>18 films.<br>19 Q. It says on there, "the ventricles<br>20 are slightly small."<br>21 Did you find the ventricles are<br>22 small?<br>23 A. Yes. But that's a normal event<br>24 after birth.   | 14 | but he doesn't really mention that there's    |
| <pre>17 infarct. But that's clearly present on the<br/>18 films.<br/>19 Q. It says on there, "the ventricles<br/>20 are slightly small."<br/>21 Did you find the ventricles are<br/>22 small?<br/>23 A. Yes. But that's a normal event<br/>24 after birth.</pre>   | 15 | the early edema in both frontal lobes and     |
| 18 films. 19 Q. It says on there, "the ventricles 20 are slightly small." 21 Did you find the ventricles are 22 small? 23 A. Yes. But that's a normal event 24 after birth.  | 16 | left parietal regions suggesting an early     |
| <ul> <li>19 Q. It says on there, "the ventricles</li> <li>20 are slightly small."</li> <li>21 Did you find the ventricles are</li> <li>22 small?</li> <li>23 A. Yes. But that's a normal event</li> <li>24 after birth.</li> </ul>   | 17 | infarct. But that's clearly present on the    |
| 20 are slightly small."<br>21 Did you find the ventricles are<br>22 small?<br>23 A. Yes. But that's a normal event<br>24 after birth.  | 18 | films.  |
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| <pre>22 small?<br/>23 A. Yes. But that's a normal event<br/>24 after birth.</pre>  | 20 | are slightly small."                          |
| <ul> <li>A. Yes. But that's a normal event</li> <li>after birth.</li> </ul>  | 21 | Did you find the ventricles are               |
| 24 after birth.  | 22 | small?  |
|  | 23 | A. Yes. But that's a normal event             |
| 25 Q. The early swelling that you  | 24 | after birth.                                  |
|  | 25 | Q. The early swelling that you                |



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| 1described, can you render an opinion based on2reasonable medical certainty as to the cause3of that early swelling?4A. No.5Q. Can you tell from this one film6how long that swelling has well, when the7incident occurred that gave rise to the8swelling?9A. Well, I would agree with Dr.10Edwards and say that it's at least one to11three days prior to the CT scan. And then12when you take into effect the other imaging13studies that were done14Q. I'm talking about this particular15one.16A. Okay.   |  |
|--|--|
| <ul> <li>3 of that early swelling?</li> <li>4 A. No.</li> <li>5 Q. Can you tell from this one film</li> <li>6 how long that swelling has well, when the incident occurred that gave rise to the</li> <li>8 swelling?</li> <li>9 A. Well, I would agree with Dr.</li> <li>10 Edwards and say that it's at least one to</li> <li>11 three days prior to the CT scan. And then</li> <li>12 when you take into effect the other imaging</li> <li>13 studies that were done</li> <li>14 Q. I'm talking about this particular</li> <li>15 one.</li> <li>16 A. Okay.</li> </ul> |  |
| <ul> <li>A. No.</li> <li>Q. Can you tell from this one film</li> <li>how long that swelling has well, when the</li> <li>incident occurred that gave rise to the</li> <li>swelling?</li> <li>A. Well, I would agree with Dr.</li> <li>Edwards and say that it's at least one to</li> <li>three days prior to the CT scan. And then</li> <li>when you take into effect the other imaging</li> <li>studies that were done</li> <li>Q. I'm talking about this particular</li> <li>one.</li> <li>A. Okay.</li> </ul>  |  |
| <ul> <li>Q. Can you tell from this one film</li> <li>how long that swelling has well, when the</li> <li>incident occurred that gave rise to the</li> <li>swelling?</li> <li>A. Well, I would agree with Dr.</li> <li>Edwards and say that it's at least one to</li> <li>three days prior to the CT scan. And then</li> <li>when you take into effect the other imaging</li> <li>studies that were done</li> <li>Q. I'm talking about this particular</li> <li>one.</li> <li>A. Okay.</li> </ul>  |  |
| <ul> <li>how long that swelling has well, when the incident occurred that gave rise to the swelling?</li> <li>A. Well, I would agree with Dr.</li> <li>Edwards and say that it's at least one to the three days prior to the CT scan. And then when you take into effect the other imaging studies that were done</li> <li>Q. I'm talking about this particular one.</li> <li>A. Okay.</li> </ul>  |  |
| <ul> <li>7 incident occurred that gave rise to the swelling?</li> <li>9 A. Well, I would agree with Dr.</li> <li>10 Edwards and say that it's at least one to</li> <li>11 three days prior to the CT scan. And then</li> <li>12 when you take into effect the other imaging</li> <li>13 studies that were done</li> <li>14 Q. I'm talking about this particular</li> <li>15 one.</li> <li>16 A. Okay.</li> </ul>   |  |
| <ul> <li>8 swelling?</li> <li>9 A. Well, I would agree with Dr.</li> <li>10 Edwards and say that it's at least one to</li> <li>11 three days prior to the CT scan. And then</li> <li>12 when you take into effect the other imaging</li> <li>13 studies that were done</li> <li>14 Q. I'm talking about this particular</li> <li>15 one.</li> <li>16 A. Okay.</li> </ul>   |  |
| <ul> <li>9 A. Well, I would agree with Dr.</li> <li>10 Edwards and say that it's at least one to</li> <li>11 three days prior to the CT scan. And then</li> <li>12 when you take into effect the other imaging</li> <li>13 studies that were done</li> <li>14 Q. I'm talking about this particular</li> <li>15 one.</li> <li>16 A. Okay.</li> </ul>  |  |
| 10 Edwards and say that it's at least one to<br>11 three days prior to the CT scan. And then<br>when you take into effect the other imaging<br>13 studies that were done<br>14 Q. I'm talking about this particular<br>15 one.<br>16 A. Okay.  |  |
| 11 three days prior to the CT scan. And then<br>12 when you take into effect the other imaging<br>13 studies that were done<br>14 Q. I'm talking about this particular<br>15 one.<br>16 A. Okay.   |  |
| 12 when you take into effect the other imaging<br>13 studies that were done<br>14 Q. I'm talking about this particular<br>15 one.<br>16 A. Okay.   |  |
| 13 studies that were done<br>14 Q. I'm talking about this particular<br>15 one.<br>16 A. Okay.   |  |
| <ul> <li>14 Q. I'm talking about this particular</li> <li>15 one.</li> <li>16 A. Okay.</li> </ul>  |  |
| 15 one.<br>16 A. Okay.   |  |
| 16 A. Okay.  |  |
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| 17 Q. Okay?  |  |
| 18 A. One to three days before.  |  |
| 19 Q. So your thought is that for the  |  |
| 20 first time that's 24 to 72 hours?   |  |
| 21 A. Correct.   |  |
| 22 Q. Okay. And I guess from the one   |  |
| 23 film strike that.   |  |
| 24 Is there anything else that you   |  |
| 25 would include in your report of the 11/13   |  |

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| 1  | film other than what we have talked about  |
| 2  | today?                                     |
| 3  | A. No.                                     |
| 4  | Q. Okay. If you look at the film,          |
| 5  | does the film have a time on it?           |
| 6  | A. Yes.                                    |
| 7  | Q. What is the time on the various         |
| 8  | films?                                     |
| 9  | A. 15, 16 hours.                           |
| 10 | Q. Okay. So that's roughly 24 hours        |
| 11 | post-birth?                                |
| 12 | A. 22.                                     |
| 13 | Q. You're right. I'm sorry. Okay,          |
| 14 | All right. If you look at                  |
| 15 | well, let's go back a minute. The CAT scan |
| 16 | that was done on well, the film that was   |
| 17 | done on 11/13 is a CAT scan; is that       |
| 18 | cornect?                                   |
| 19 | A. Yes.                                    |
| 20 | Q. How sensitive is a CAT scan at 22       |
| 21 | hours of birth in picking up edema?        |
| 22 | A. Fairly sensitive.                       |
| 23 | Q. Is it more or less sensitive than       |
| 24 | to a neonatal ultrasound?                  |
| 25 | A. I would prefer an ultrasound            |



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| 1  | looking for parenchymal injury.             |
| 2  | Q. Was there parenchymal injury on          |
| 3  | this film?                                  |
| 4  | A. Yes.                                     |
| 5  | Q. If you look, sir, at would you           |
| 6  | put the film of 11/14, take a look at it?   |
| 7  | A. The ultrasound?                          |
| 8  | Q. Yes, sir.                                |
| 9  | A. Okay.                                    |
| 10 | Q. All right. Now, first of all, if         |
| 11 | you would have read this ultrasound, would  |
| 12 | you have compared it to the CAT scan?       |
| 13 | A. Yes.                                     |
| 14 | Q. Do you know if the doctor at             |
| 15 | Cardinal Glennon compared it?               |
| 16 | A. No.                                      |
| 17 | Q. They did not or you do not know?         |
| 18 | A. There's no indication in their           |
| 19 | report that they did. So I don't know.      |
| 20 | Q. If, in fact, a physician compares        |
| 21 | it, would it be standard of care to mention |
| 22 | the comparison?                             |
| 23 | A. Depends on how they have their           |
| 24 | services set up.                            |
| 25 | Q. Okay. How did they have their            |



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| 1  | services set up, as far as you know?            |
| 2  | A. I don't know.                                |
| 3  | Q. Okay. So will you, first of all,             |
| 4  | look at the neurosonogram in isolation          |
| 5  | well, in terms of the report of the             |
| 6  | neurosonogram, which appears in my records on   |
| 7  | page 88 of the Cardinal Glennon records, is     |
| 8  | there any indication that they compared the     |
| 9  | two films?                                      |
| 10 | A. No.  |
| 11 | Q. Okay. If you, first of all, take             |
| 12 | the 11/14 ultrasound and interpret it in        |
| 13 | isolation for me, please.                       |
| 14 | A. Well, there is increased                     |
| 15 | echogenicity seen in the left parietal and      |
| 16 | frontal regions, and also in the right          |
| 17 | frontal region that's suggestive of parenchymal |
| 18 | injury. The ventricles are slit-like. And       |
| 19 | there is some question of increased             |
| 20 | echogenicity in the lamic region on the left.   |
| 21 | I'm sorry. It's on the right.                   |
| 22 | Q. Anything else you see?                       |
| 23 | A. My impression would be this is an            |
| 24 | evolving cerebral infarction. And in and of     |
| 25 | itself it's at least 48 hours old on this       |

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| 1  | stand to produce the echogenicity.            |
| 2  | Q, Okay. Can you tell, sir first              |
| 3  | of all, now will you compare the ultrasound   |
| 4  | of 11/14 with the CT of 11/13 and tell me     |
| 5  | how you would interpret the two together?     |
| 6  | A. Well, I think the ultrasound is            |
| 7  | consistent with what was seen on the CT in    |
| 8  | terms of the areas that are injured. The      |
| 9  | fact that there is already echogenicity means |
| 10 | that it's at least 48 hours old or older.     |
| 11 | Q. When you say "echogenicity," did           |
| 12 | you say 24 to 72 hours?                       |
| 13 | A. That's what I said on the CT.              |
| 14 | Q. Okay.                                      |
| 15 | A. The ultrasound is at least 48              |
| 16 | hours old or probably several days beyond     |
| 17 | that.   |
| 18 | Q. Okay. You're saying this was               |
| 19 | the 11/14 ultrasound was done at how many     |
| 20 | hours of life, sir?                           |
| 21 | A. Let's see. It was done at roughly          |
| 22 | 2:00 p.m. on the 14th. So, let's see.         |
| 23 | Q. 45 hours of life?                          |
| 24 | A. Yes.                                       |
| 25 | Q. Okay. Did you say that there was           |

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| 1  | an increased cchogenicity?                     |
| 2  | A. Yeah. Increased echogenicity in             |
| 3  | the brain parenchyma.                          |
| 4  | Q. Based on the two films together,            |
| 5  | can you render an opinion as to when it was    |
| 6  | that the insult occurred that caused this      |
| 7  | problem?                                       |
| 8  | A. Yes.  |
| 9  | Q. What is your opinion, sir?                  |
| 10 | A. I think that this is a the                  |
| 11 | ultrasound establishes that this is already an |
| 12 | ongoing well-established injury. I would say   |
| 13 | that it's at least that it occurred at         |
| 14 | least 24 to 48 hours before birth.             |
| 15 | Q. Based on those two?                         |
| 16 | A. Yes.  |
| 17 | Q. Tell me why you come up with the            |
| 18 | 24 to 48 hour figure based upon these two?     |
| 19 | A. Based on the echogenicity on the            |
| 20 | parenchyma. Based on the fact that the         |
| 21 | ventricles are still closed. They're not       |
| 22 | opening up. Based on the attenuation values    |
| 23 | on the CT scan from the day before.            |
| 24 | Q. The first one is normal in terms            |
| 25 | you say the first film shows normal            |

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18 1 ventricles, and these show slit-like 2 ventricles; is that correct? 3 Α. No. I said the ventricles were small on the first CT. 4 But didn't you say that was a 5 Q. 6 normal variance? They can be. It's normal to have 7 Α. small ventricles right after birth. 8 Now, they're slit-like; is that 9 Q. right? 10 11 Д Yeah. They remain small. Well, would you say that the 12 Q. ventricles have decreased in size or are the 13 same size? 14 Α. I think they have remained small. 15 One is described as slightly small Ω. 16 17 and one is described by you slit-like. But you're interpreting those as being the same? 18 19 Α. Yes. Okay. If, in fact, you were 20 Ο. interpreting the CT scan of 11/13, you would 21 22 have used the phrase "slit-like ventricles"? No. I usually only use that term 23 Α. "slit-like ventricles" on ultrasounds. 24 25 ο. Okay. You said "it was an

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| 1  | evolving cerebral infarct." Are you in an   |
| 2  | position to render an opinion as to the cau |
| 3  | of that cerebral infarct?                   |
| 4  | A. No.                                      |
| 5  | Q. Can hypoxia ischemia cause a             |
| 6  | cerebral infarct?                           |
| 7  | A. (No response)                            |
| 8  | Q. Or would that be beyond your field       |
| 9  | of expertise?                               |
| 10 | A. Well, I'm not going to render an         |
| 11 | opinion as to the cause of the infarction.  |
| 12 | Q. Okay. And then your interpretation       |
| 13 | of the CT of 11/20, which is roughly seven  |
| 14 | and a half days old; is that right?         |
| 15 | A. Yes, Go ahead.                           |
| 16 | Q. This is a CT that's done at              |
| 17 | roughly seven and a half days of life; is   |
| 18 | that right?                                 |
| 19 | A. Well, seven hours short of eight         |
| 20 | days.                                       |
| 21 | Q. Okay. Can you render your                |
| 22 | interpretation of this film?                |
| 23 | A. Yes. I think it's consistent with        |
| 24 | the prior scans in terms of evolving        |
| 25 | infarctions in the frontal lobes and left   |

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| parietal regions.                             |
| Q. Do you see, sir, on that any               |
| permanent damage?                             |
| A. Yes.                                       |
| Q. Okay. And based upon what you see          |
| on this film of almost eight days, is your    |
| opinion that it occurred at least 48 I'm      |
| sorry. At least 24 to 48 hours before birth   |
| remain the same?                              |
| A. Yes.                                       |
| Q. Okay. And then the film the                |
| MRI of 11/27, did that modify your opinion at |
| all?  |
| A. No. I think it's consistent with           |
| the timing of what we previously stated.      |
| Q. Doctor, it is your opinion based           |
| upon all of the films that you read that      |
| this is a cerebral infarct that occurred      |
| between 24 and 48 hours before birth; is that |
| right?  |
| A. Correct.                                   |
| Q. Okay. Now, you are not going to            |
| render any opinions as to the cause of the    |
| cerebral infarct; is that correct?            |
| A. That's correct.                            |
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| 1  | Q. Are you going to render any                |
| 2  | opinions as to the kind of injuries you would |
| 3  | expect this child to have with the cerebral   |
| 4  | infarct that you see on these films?          |
| 5  | A. You mean the neurologic outcome?           |
| 6  | Q. Yes, sir.                                  |
| 7  | A. No. I'll leave that for the                |
| 8  | appropriate experts.                          |
| 9  | Q. I don't mean to cut you off, but           |
| 10 | basically your opinion is purely and simply a |
| 11 | cerebral infarct 24 to 48 hours before birth, |
| 12 | nothing more, nothing less; is that correct?  |
| 13 | A. Yes.                                       |
| 14 | Q. Ckay. Those are all of your                |
| 15 | opinions in this case?                        |
| 16 | A. And that this is not consistent            |
| 17 | with a forceps injury.                        |
| 18 | Q. Okay. There was a mention in one           |
| 19 | of the films about a subarachnoid hemorrhage. |
| 20 | Did you see that?                             |
| 21 | A. Yes.                                       |
| 22 | Q. Sir?                                       |
| 23 | A, Yes.                                       |
| 24 | Q. Would a subarachnoid hemorrhage            |
| 25 | injury be consistent with a forceps injury?   |



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| 1  | A. Not in and of itself. A                    |
| 2  | subarachnoid hemorrhage occurs virtually with |
| 3  | every delivery.                               |
| 4  | Q. Okay. Sir, in your practice                |
| 5  | well, let's go back.                          |
| 6  | When you interpreted these films              |
| 7  | for me, part of your interpretation, your     |
| 8  | formal interpretation did not include the     |
| 9  | timing of when it occurred; is that correct?  |
| 10 | A. Correct.                                   |
| 11 | Q. As part of your regular dictation          |
| 12 | of films on neonates, do you normally not     |
| 13 | include the time?                             |
| 14 | A. That's correct. I normally do              |
| 15 | not.  |
| 16 | Q. Under what circumstance in your            |
| 17 | practice would you discuss timing with a      |
| 18 | referring physician?                          |
| 19 | A. Only if it has any particular              |
| 20 | significance into the care and treatment of   |
| 21 | child. That's not normally something that     |
| 22 | comes up.                                     |
| 23 | Q. Okay. So basically the terms of            |
| 24 | timing of an injury is really something that  |
| 25 | occurs primarily in medical/legal matters but |
|    |   |

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| 1  | not as part of your regular daily practice? |
| 2  | A. That's correct.                          |
| 3  | Q. Okay. Do you know a Dr. Robert           |
| 4  | C. McKinstry III?                           |
| 5  | A. What kind of a doctor is he?             |
| 6  | Q. He's a pediatric neuroradiologist        |
| 7  | at Mallincrout Institute of Radiology?      |
| 8  | A. I don't recall having met him.           |
| 9  | Q. Okay. In terms of your '                 |
| 10 | medical/legal involvement, it's my          |
| 11 | understanding that you have been reviewing  |
| 12 | cases since 1987 through 1987-'88; is that  |
| 13 | right?                                      |
| 14 | A. Correct.                                 |
| 15 | Q. How many cases a year do you             |
| 16 | review?                                     |
| 17 | A, About 50 cases a year.                   |
| 18 | Q. And you give about ten depositions?      |
| 19 | A. That's correct.                          |
| 20 | Q. What is your charge for your             |
| 21 | review?                                     |
| 22 | A. 500 an hour.                             |
| 23 | Q. And for deposition?                      |
| 24 | A. The same.                                |
| 25 | Q. Well, you're going to be giving          |



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24 your testimony next Wednesday, I be 1 -- Wednesday or Thursday, Will it 2 3 hour? 4 Α. Yes, 5 ο. Give me some idea, sir, as to hu. 6 much time you have spent on this case? Up until now? 7 Α. 8 Yes, sir. ο. Two, two and half hours. 9 Α. 10 And that includes talking for -ο. That includes this morning. 11 Α. Okay. In terms of your 12 Ο. consultation cases, about 75 percent are for 13 14 the defendants? 15 Α. Correct. 16 Ο. Your deposítions are about 90 17 percent; is that right? 18 Α. Defense, yes. 19 Q. And almost all of your trials have 20 been for the defendants; is that right? Except for five or six. 21 Α. Okay. In terms of your current 22 Q. work, approximately 10 or 15 percent of your 23 24 time is spent interpreting images of neonates; 25 is that right?

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| 1  | A. My daily practice?                         |
| 2  | Q. Yes, sir.                                  |
| 3  | A. That's a fair statement. But I do          |
| 4  | 100 percent neuroradiology.                   |
| 5  | Q. I understand. I'm not trying to            |
| 6  | I just want to find out of pediatric          |
| 7  | radiology you do, most of it does not involve |
| 8  | neonates; right?                              |
| 9  | A. (No response)                              |
| 10 | Q. 85 to 90 percent is not neonates;          |
| 11 | is that correct?                              |
| 12 | A. Right. A neonate defined as a              |
| 13 | child up to 30 days old.                      |
| 14 | Q. I hear you.                                |
| 15 | I don't have anything else, sir.              |
| 16 | MS. BYRD: Okay. Our court                     |
| 17 | reporter is smiling.                          |
| 18 | BY MR. ZWIBELMAN;                             |
| 19 | Q. I have another question, Doctor.           |
| 20 | You have given me all of your opinions, have  |
| 21 | you not.                                      |
| 22 | A. Yes, I have.                               |
| 23 | MR. ZWIBELMAN: Thanks.                        |
| 24 | MS. BYRD: Are you okay to waive               |
| 25 | your signature, Doctor?                       |

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26 THE WITNESS: Yes. 1 MS. BYRD: Is that okay with you, 2 3 Myron? 4 MR. ZWIBELMAN: I have no objection to waiving signature. 5 6 If the court reporter has any questions on the spelling, would she please 7 ask the doctor before she leaves. 8 9 That's fine. MS. BYRD: We'll do that, 10 11 MR. ZWIBELMAN: Thank you. (The deposition was concluded at 12 13 10:35 a.m.) 14 15 16 17 18 19 20 21 22 23 24 25

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27 REPORTER'S CERTIFICATE 1 2 STATE OF CALIFORNIA - Y 3 ) SS COUNTY OF LOS ANGELES 4 } I, CYNTHIA L. VARELA, a Certified 5 Shorthand Reporter No. 5917 do hereby certify: 6 That the foregoing proceedings were 7 taken before me at the time and place therein 8 set forth, at which time the witness, MARVIN 9 10 D. NELSON, JR., M.D., was put under oath byme; 11 12 That the testimony of the witness and all objections made at the time of the 13 examination were recorded stenographically by 14 15 me and were thereafter transcribed; I further certify that I am 16 neither counsel for nor related to any party 17 to said action. 18 Dated this  $\Omega$  day of 19 Sebruary. 2005. 20 21 15 Cunthia S. Varda 22 Cynthia L. Varela, CSR No. 5917 23 24 25



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