

1           CIRCUIT COURT OF THE COUNTY OF ST. LOUIS  
2                   STATE OF MISSOURI  
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4           AYDEN VERHEECKE,            )  
5                                        )  
6           Plaintiff,                )  
7                                        )  
8           vs.                        )       No. CIC C-004067  
9                                        )  
10          ST. JOHN'S MERCY HEALTH SYSTEM,)  
11                                        )  
12          Defendant.                )  
13                                        )  
14          \_\_\_\_\_)

15           DEPOSITION OF MARVIN D. NELSON, JR., M.D.  
16                   Los Angeles, California  
17                   Monday, September 29, 2003  
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24   Reported by:  
25   VIRGINIA PETERAITIS  
    CSR No. 6205  
    Job No. 889106

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9    \_\_\_\_\_}

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15           Deposition of MARVIN D. NELSON, JR.,  
16    M.D., taken on behalf of Defendant, at  
17    4650 Sunset Boulevard, Radiology  
18    Department, Los Angeles, California,  
19    beginning at 1:30 p.m. and ending at  
20    3:00 p.m. on Monday, September 29, 2003,  
21    before VIRGINIA PETERAITIS, Certified  
22    Shorthand Reporter No. 6205.

1 APPEARANCES:  
2  
3 For Plaintiff:  
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WITNESS:

EXAMINATION

MARVIN D. NELSON, JR., M.D.

BY MR. ZWIBELMAN

5

BY MR. BEAN

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EXHIBITS

PLAINTIFF

PAGE

1 Curriculum Vitae, 17 pages

13

1 Los Angeles, California, Monday, September 29, 2003

2 1:30 p.m. - 3:00 p.m.

3

4 MARVIN D. NELSON, JR., M.D.,

5 having been first duly sworn, was examined and testified

6 as follows:

7

8 EXAMINATION

9 BY MR. ZWIBELMAN:

10 Q Tell me your name, please.

11 A Marvin D. Nelson, Jr.

12 Q And you have been listed as an expert by

13 defendant St. John's in this case.

14 You're aware of that?

15 A Yes.

16 Q When did they first contact you?

17 A I believe several months ago. I don't remember

18 the exact date.

19 Q Who contacted you?

20 A Ken Bean's office.

21 Q Have you ever worked for Ken Bean before?

22 A Yes.

23 Q How many times?

24 A Three or four.

25 Q Do you remember the names of the cases?

1           A    No.

2           Q    Have you ever testified on behalf of defendant

3   St. John's before?

4           A    I don't recall.

5           Q    Other than Mr. Bean, have you been hired by any

6   other lawyers in St. Louis?

7           A    Yes. I believe one or two others, but I don't

8   recall their names.

9           Q    When you were contacted several months ago

10   by -- was it Mr. Bean or someone from his office?

11          A    It was someone from his office.

12          Q    Do you remember the substance of the

13   conversation?

14          A    Just asked me if I'd be interested in reviewing

15   a case for them, and I said yes.

16          Q    What did they send you?

17          A    They sent me a set of CTs and MRIs and medical

18   records from St. John's.

19          Q    Did they send you depositions?

20          A    And the deposition of Mary Kay Edwards Brown.

21          Q    How much time have you spent on this case up to

22   the time you -- I take it you talked to Mr. Bean this

23   morning or this afternoon?

24          A    Yes.

25          Q    How much time did you spend with him this

1 morning?  
2 A About 15, 20 minutes.  
3 Q Up until the time of your conversation with Mr.  
4 Bean, how much time have you spent on the case?  
5 A About two hours.  
6 Q And can you break down how the two hours was  
7 spent?  
8 A An hour reviewing the films and an hour reading  
9 the deposition.  
10 Q And I assume you spent no time whatsoever  
11 looking at medical records?  
12 A Yes. Essentially, I didn't spend much time  
13 looking at the medical records.  
14 Q When you say essentially, did you spend any  
15 time looking at them?  
16 A I leafed through them quickly.  
17 Q Less than a minute?  
18 A A couple of minutes.  
19 Q When you say you spent about an hour looking at  
20 the CTs and MRIs, does that include the reports?  
21 A Yes.  
22 Q Were you supplied with any materials or any  
23 information that either was not on the films or was not  
24 in the records or was not in the deposition of Dr.  
25 Edwards Brown?

1 A No.

2 Q Were you told who the other experts are for the  
3 plaintiff?

4 A No.

5 Q Were you told who the other experts were for  
6 defendants?

7 A No.

8 Q Did you do any research on this case?

9 A No.

10 Q Do you intend to do any research on this case?

11 A None was needed.

12 Q Did you ask him for any additional information?

13 A No.

14 Q We'll get into the details of the films but,  
15 basically, there was a diagnosis, at least on one of the  
16 films, of a subdural hematoma.

17 Are there any textbooks that you consider to be  
18 authoritative about subdural hematoma in neonates?

19 A No.

20 Q Are there any authors you consider to be  
21 authoritative?

22 A None.

23 Q Did you write a report?

24 A No.

25 Q Did you make any notes?



1 A I did not.  
2 Q Did you do any markings on the films?  
3 A No marks.  
4 Q No marks on the films, no marks on the  
5 records. Any marks on the depositions?  
6 A I just highlighted a few things.  
7 Q In the deposition?  
8 A Yes.  
9 Q Can you tell me what you highlighted?  
10 A On deposition page 11, I highlighted from lines  
11 11 through 14 and then from 18 and 19 and then from --  
12 Q Page 11, line -- sorry.  
13 A 11 through 14, 18 and 19, 24 and 25. Then on  
14 the next page 12, from 1 through 14, and then I  
15 highlighted on page 13 lines 23 to 25.  
16 Q Anything else?  
17 A That's it.  
18 Q Can I make any assumptions based on what you  
19 didn't mark, did you find those to be of any interest to  
20 you or you just weren't -- I guess the question is why  
21 did you mark some and not others?  
22 A I got a new marker and I was trying it out.  
23 Q Well, can you tell me why you happened to try  
24 it out on page 11, 12 and 13 but not on the other 85?  
25 A These were the most interesting things I

1 thought I would comment on if I were reviewing her  
2 deposition.

3 Q You have no comments on any of the other parts  
4 of her deposition?

5 A That depends on what questions you have for me.

6 Q Do you know any of the individuals who have  
7 rendered opinions about the X rays and these films at  
8 the hospital?

9 There was a Dr. Grunz, Dr. Rosenthal,  
10 Dr. Martin and Dr. Lovern. Do you know any of them?

11 A No, I don't think so.

12 Q Do you know Dr. Edwards Brown?

13 A I met her but other than that -- I just met her  
14 at radiology meetings.

15 Q Do you know anything about her reputation one  
16 way or the other?

17 A No.

18 Q You don't know who -- I think I asked this --  
19 do you know any of the defense experts other than  
20 yourself?

21 A That's correct.

22 Q Are you going to render any opinions about the  
23 standard of care by the defendant obstetricians?

24 A No.

25 Q You are going to render opinions about the

1 interpretation of the films?

2 A Correct.

3 Q Are you going to render any opinions about the

4 cause of any of the findings of the films?

5 A Possibly.

6 Q What about the timing of when they occurred?

7 A Probably.

8 Q Anything about the damages in this case?

9 A No.

10 Q Are you able to equate what the plaintiff's

11 damages are to what appears on the films?

12 A I don't know what you mean by plaintiff's

13 damages.

14 Q Well, do you agree with the interpretation of

15 the MRI?

16 A No.

17 Q Was the MRI perfectly normal?

18 A No.

19 Q What were your findings on the MRI?

20 A That there were several small areas of focal

21 necrosis in the white matter, but, other than that, I

22 thought it was normal.

23 Q Several small areas of focal necrosis in the

24 white matter. Okay.

25 Are you going to render any opinions as to how

1 those small areas of focal necrosis in the white matter  
2 would manifest themselves in terms of clinical findings?  
3 A Yes. It's probably not manifesting themselves  
4 as showing any clinical problems, as these can be seen  
5 in normal populations and normal control groups.  
6 Q If I were to look for research on that, where  
7 would I find the proposition that several small areas of  
8 focal necrosis in the white matter can be found in  
9 normal children?  
10 A You can find it in my CV in of my publications.  
11 Q Which one?  
12 A If you hang on -- do you have my CV there?  
13 Q I have one that was published on 6/3/03.  
14 A Good. Then you'll see as one of the -- within  
15 the last 10 papers I published, there was an article  
16 about focal white matter lesions seen in a population  
17 of -- from the hemophiliac growth and development study?  
18 Q Well, let's see. Is it 61?  
19 A Hang on one minute. Let me get my CV and I'll  
20 give you the exact title. It's No. 62 on the one I'm  
21 holding right here, which is either -- it's one of  
22 those. It's Nelson, Wilson, Kisker, CT, Evatt, BL,  
23 Fenstermacher, "Incidence of focal white matter lesions  
24 in a population of hemophiliac children and their normal  
25 siblings."

1 Q Were the findings of these focal white matter  
2 lesions in both hemophiliac children and their siblings?  
3 A Yes.  
4 Q Are there any other authors other than Nelson,  
5 Wilson, Kisker and the other group, who have written  
6 about small areas of focal necrosis in white matter and  
7 their effects and their clinical findings?  
8 A No. I think that's exactly why this paper is  
9 so significant because people don't study normal  
10 populations of children. This is the first time a group  
11 of normal children have been studied with MR and were  
12 these little incidental findings were noted.  
13 Q Other than that's article -- could we mark your  
14 CV Plaintiff's Exhibit 1?  
15 A Done.  
16 (Plaintiff Exhibit 1 marked for  
17 identification by the court reporter.)  
18 BY MR. ZWIBELMAN:  
19 Q And is that No. 61?  
20 A It's 62 on this one.  
21 Q Other than article 62, are there any other  
22 articles you believe are relevant to this case?  
23 A No.  
24 Q You have the films in front of you, sir?  
25 A Yes.

1 Q Can you look at the CAT scan that is marked  
2 as -- well, that was taken 6/1/98 at 1520 hours?  
3 A Okay.  
4 Q Is there any particular view that is the most  
5 significant?  
6 MR. BEAN: Object to the form.  
7 MR. ZWIBELMAN: That's fine.  
8 THE WITNESS: They're all significant. There  
9 are multiple levels where you can see the right temporal  
10 parietal subdural hematoma.  
11 BY MR. ZWIBELMAN:  
12 Q How big is the right parietal subdural  
13 hematoma?  
14 A Well, it looks like it measures up to about one  
15 centimeter in thickness.  
16 Q Okay. What time was this child born?  
17 A Just a second, I have to check in the records.  
18 He was born on 5/31/98.  
19 Q At round 0052?  
20 A Hold on. I'll find it. Well, if that's the  
21 current understanding, I wouldn't debate that.  
22 Q So if that's true then this CT was taken at  
23 about 39 hours of life. Does that sound about right?  
24 A Okay.  
25 Q Would you agree with that?

1 MR. BEAN: You're saying born about 1:00 A.M.  
2 on --  
3 MR. ZWIBELMAN: Sorry. 24 hours of life.  
4 MR. BEAN: You've got the math wrong. Let's  
5 start it again.  
6 BY MR. ZWIBELMAN:  
7 Q If the child is born roughly at 1:00 A.M. and  
8 this was taken at 12:52 A.M. -- no, I think my math is  
9 right. It's about 39 hours, isn't it, sir? You tell  
10 me.  
11 A This was done on June 1 at 3:00 P.M.  
12 Q Right.  
13 A So he was born just after midnight -- no.  
14 MR. BEAN: Yes.  
15 THE WITNESS: 12:52 A.M. -- no. It would be 24  
16 plus, roughly, 2 hours, so 26 hours.  
17 BY MR. ZWIBELMAN:  
18 Q Wouldn't 26 hours be 61 at 0352?  
19 A No, 12:52 A.M. is just after midnight. That's  
20 correct. So then 24, plus 12, plus 2.  
21 Q So about 38 hours?  
22 A That's correct.  
23 Q Let me ask you this. If you were to read that  
24 study on 6/1/98, would you dictate aloud how you would  
25 dictate the report.

1           A    Okay. Well, I would say that there is a right  
2   temporal parietal subdural hematoma measuring up to one  
3   centimeter in thickness, causing mild mass effect on the  
4   underlying gyri.

5           There is a scalp hematoma present over the  
6   right parietal bone and, after examination of bone  
7   windows, it shows no CT evidence of skull fracture. I  
8   would say the brain parenchyma otherwise appears to be  
9   of normal attenuation for a child of this age. There is  
10  minor mass effect on the right lateral ventricle, and  
11  that's all.

12          Q    If you would look at the report of that study  
13  that I think is on page 35 of the records, do you have  
14  that, sir?

15          A    Yes.

16          Q    If you'd read through that report and tell me  
17  if you agree with it.

18          A    The only thing I would change is I would say  
19  that it's a right temporal parietal subdural hematoma  
20  and not just right parietal.

21          Q    Anything else, sir?

22          A    Again, I wouldn't use the adjective moderate.  
23  I would just say it's a centimeter thick.

24          Q    In your opinion, mild, moderate or severe, how  
25  would you describe it, sir?



1 A I think it's a small subdural myself.  
2 Q Small? You see these all the time, do you?  
3 A Yes.  
4 Q What's the cause of them usually in a neonate?  
5 MR. BEAN: In general?  
6 BY MR. ZWIBELMAN:  
7 Q Yes.  
8 A In general it's from a torn vein.  
9 Q What usually causes the torn vein?  
10 MR. BEAN: Again in general?  
11 BY MR. ZWIBELMAN:  
12 Q Yes.  
13 A In general, trauma.  
14 Q And in your opinion what was the cause of the  
15 up to one centimeter subdural hematoma in this case?  
16 A Well, I don't know that I have direct evidence  
17 but I can imply that from the presence of this, that  
18 there was probably a torn cortical vein.  
19 Q Can you render any opinions as to when that  
20 torn cortical vein occurred?  
21 A No, not particularly.  
22 Q If you'd start jumping ahead and look at the  
23 6/2/98 report, on page 36, do you see that, sir?  
24 A Yes.  
25 Q It says, "Clinical history, trauma at

1 delivery."

2 In your opinion was the subdural hematoma

3 caused by trauma at delivery?

4 MR. BEAN: Object to form.

5 BY MR. ZWIBELMAN:

6 Q You can answer.

7 A I have no way of knowing that.

8 Q Can you give me any window as to when this torn

9 vessel occurred causing the subdural hematoma?

10 A This can be up to several days old.

11 Q Several days up to when?

12 A Given the attenuation of it, it could be up to

13 probably around a week or two weeks old just based on

14 the attenuation, but then I don't know the particular

15 hemoglobin of the child. I don't think it was -- you

16 have to correlate the density with the hemoglobin in the

17 child.

18 Q So it's your thought that the latest it could

19 have occurred was several days before the delivery?

20 A It could have occurred prenatally but that's

21 not usually the case.

22 Q Could it have occurred around the time of

23 birth?

24 A Yes, it could have occurred around the time of

25 birth.

1 Q So you're saying, and you'll testify, that it  
2 could have occurred anywhere from a week to two weeks  
3 before delivery, up until the time of birth; is that  
4 right?

5 A Sure. Just based on the imaging appearance,  
6 that's correct.

7 Q Can you be more specific than that?

8 A No.

9 Q When you say just based on the imaging  
10 appearance, what else would you as a radiologist look  
11 to?

12 A That's all I'll testify about.

13 Q So that I'm clear, you're saying that in terms  
14 of the timing of it, you could be no more specific than  
15 it was a week to two weeks, all the way up to the time  
16 of birth; right?

17 A Up to several hours before the scan was taken.

18 Q Up to several hours before the scan was taken?

19 A Right.

20 Q And you're saying, again, the cause was a torn  
21 vessel?

22 A I think the cause was trauma but birth is a  
23 traumatic process.

24 Q Are you saying this trauma could have occurred  
25 with a normal birth?

1           A    Yes.

2           Q    Have you written anything that would indicate

3 to you at all that you can see a subdural hematoma of

4 approximately one centimeter in thickness that occurs as

5 a part of the normal birth process?

6           A    I haven't written anything as such.

7           Q    Can you refer me to any book that would say

8 that?

9           A    I have seen literature that talks about

10 subarachnoid and subdural hemorrhages being present as

11 a part of the birth process.

12          Q    Can you tell me the names of those books?

13          A    Not offhand, but I'm not relying on them.

14          Q    I'm not asking if you're relying. Can you tell

15 me the names of some books that say that?

16          A    Not off the top of my head.

17          Q    Do you see in the 6/1/98 study, there was

18 abasement of the right lateral ventricle atrium and

19 occipital horn?

20               MR. BEAN: Are you asking if that is in the

21 report --

22 BY MR. ZWIBELMAN:

23          Q    Did you see it on the film?

24          A    I said there was a mild mass effect on the

25 ventricle. That's the same thing.

1 Q What was the cause of that mass effect on the  
2 ventricle?  
3 A The subdural hematoma.  
4 Q There were spread sutures, did you see that in  
5 the report?  
6 A I don't recall that. That was not in the  
7 report.  
8 Q Maybe I'm mistaken.  
9 A I'm afraid so.  
10 Q Do you see in there spread sutures or can you  
11 tell that?  
12 A I don't believe the sutures are spread.  
13 Q Can you see any layering of blood on the  
14 tentorium?  
15 A The subdural extends along the tentorium.  
16 Q Is there a Y-shaped area of brightness along  
17 the tentorium?  
18 A Well, that's where -- that's either where  
19 you're talking about where the tentorium splits to  
20 become the incisura or it as it splits posteriorly  
21 around the torcular herophili. Either way, those are  
22 normal structures.  
23 Q Was there any increased intracranial pressure  
24 that you can see?  
25 A There's no imaging evidence of such.

1 Q What kind of imaging evidence would you look  
2 for?

3 A I would look to see that the gray white  
4 differentiation was absent so that the brain parenchyma  
5 had a ground glass appearance.

6 I would look to see if there was evidence that  
7 the cisterns around the brain were gone, the sulci being  
8 gone, the fontanel bulging, none of which is present in  
9 this case.

10 Q Can you see that the fontanel is not bulging?

11 A It is not bulging. It is clearly evident on  
12 the CT.

13 Q You read Dr. Edwards Brown's deposition?

14 A I did.

15 Q She made those findings, did she not?

16 A Yes, she did.

17 Q And I'm just curious, is that just a difference  
18 in interpretation or would you say she is just wrong?

19 MR. BEAN: Let me get a clarification. I don't  
20 think she talked about ground glass or a great white  
21 differentiation. I think she did talk about a bulging  
22 fontanel, so I think you misstated her testimony.

23 MR. ZWIBELMAN: Okay.

24 Q She talked about a bulging fontanel, did she  
25 not, sir?

1           A    Yes, she did.  
2           Q    And she talked about her findings were spread  
3   sutures?  
4           A    That's correct.  
5           Q    And she talked about a bulging fontanel, did  
6   she not?  
7           A    Yes.  
8           Q    Let me ask the question again. Are her  
9   findings in that regard just a different interpretation  
10 or is she just wrong?  
11          A    She is just wrong.  
12          Q    Would you attribute any motive to her errors?  
13          A    I don't attribute any motives at all.  
14          Q    In looking at her what you describe as just  
15 plain wrong interpretation, is there anything on the  
16 films that would suggest what she finds or you're just  
17 not seeing anything that she sees?  
18          A    I don't understand your question.  
19          Q    Well, what I'm saying is if you look at the  
20 films, is it something that you can say: Well, I can  
21 understand how she comes to that conclusion. I disagree  
22 with her, but I can see how she comes to it.  
23                Or do you not see anything on the films that  
24 leads any radiologist to conclude what she did?  
25                MR. BEAN: About the bulging fontanel?

1           MR. ZWIBELMAN: About the things she testified  
2 to that he didn't agree to.

3           MR. BEAN: Well, there are a lot of things he  
4 testified to that he doesn't agree to.

5           MR. ZWIBELMAN: On this film, Ken.

6           MR. BEAN: And he said there are a lot of  
7 things he disagrees with on this film.

8           MR. ZWIBELMAN: I understand.

9           Q With all the things you disagree with, is there  
10 anything on there that you see that could lead her to  
11 those findings?

12          A Well, I really think you need to talk to her  
13 and ask her how she came to those conclusions. I don't  
14 understand how she came to those conclusions.

15          Q Is there anything on the film that could in  
16 your opinion lead a radiologist to come to those  
17 conclusions?

18          MR. BEAN: Object to form.

19 BY MR. ZWIBELMAN:

20          Q You can answer.

21          A Not in my opinion.

22          Q Was there a midline shift at all on this film?

23          A Not significant. It's hard to tell because the  
24 child's head is tilted slightly that can throw that off,  
25 but I don't think I would have considered this to be a



1 significant midline shift.

2 I didn't put it in my report so I don't think

3 it's worth mentioning.

4 Q And then will you look at the study that was

5 one on 6/2.

6 A Okay.

7 Q Will you dictate what your findings would be in

8 your report had you been the radiologist there?

9 A I would say that this noncontrast CT, as

10 compared to the one of 6/1, there has been no

11 significant change from the prior examination.

12 Q It says that there is no significant midline

13 shift currently.

14 A I agree. There is no midline shift. This is a

15 better lined up head CT and there's no midline shift on

16 this one.

17 Q And did the third ventricle show any signs of a

18 midline shift at all?

19 A Not in my opinion.

20 Q Is the ventricular system normal in size?

21 A Normal in size for a child of this age.

22 Q On the previous study, it was effaced was it

23 not?

24 A Part of the lateral ventricular system showed

25 mass effect or was slightly effaced, yes.

1 Q That's changed now?

2 A No, it stayed the same.

3 Q The third study, would you interpret that for  
4 me, sir?

5 MR. BEAN: And just for clarification, what  
6 date are we on?

7 BY MR. ZWIBELMAN:

8 Q 6/5?

9 A June 5, 1998. And on this study -- so we're  
10 comparing this with the previous study of the 2nd of  
11 June and, again, there are some changes in the subdural  
12 hematoma in that the blood is separating and layering  
13 out, which is consistent with an evolving subdural  
14 hematoma.

15 There's no evidence of the growth of subdural  
16 and, in fact, it looks like it may be just slightly  
17 smaller than on the previous exam. The effacement in  
18 the ventricle appears to be completely resolved and the  
19 scalp hematomas are still present over the right  
20 parietal region.

21 Q Okay. The hematoma is still present, sir?

22 A The scalp hematoma, yes.

23 Q And the subdural hematoma has what, resolved  
24 completely?

25 A No. It's still present, maybe just slightly

1 smaller, and the blood within the subdural is clotting  
2 and layering out. It's consistent with an evolving  
3 subdural hematoma.

4 Q Can you tell from the three films looked at as  
5 a whole on 6/1, 6/2 and 6/5, can you give us any more  
6 direction as to when the subdural hematoma occurred?

7 A No.

8 Q Can you tell by looking at all the studies  
9 taken together when the subdural hematoma occurred?

10 A No.

11 Q If you look at the study of 6/12/98, do you  
12 have that, sir?

13 A 8/12/98?

14 Q Yes.

15 A Just a second. I'm running it down. Okay.

16 Q Do you have that, sir?

17 A Yes.

18 Q What's your interpretation of that film?

19 A Well, since the previous study of 6/5, the  
20 right temporal parietal subdural hematoma has completely  
21 resolved, and on this film there is a -- let me just  
22 look at this. Just a second. I'm looking at all of the  
23 different films here.

24 There are small fluid collections around both  
25 cerebral hemispheres over the frontal lobes and the

1 ventricles are normal in size and configuration and the  
2 parenchyma is normal.

3 Q Anything else in your report?

4 A No.

5 Q Do you see a flattening of the frontal bones?

6 A There is slight flattening of the frontal  
7 bones.

8 Q What, in your opinion, would be the cause of  
9 flattening of the frontal bones in a child that is  
10 roughly 2 and a half months old?

11 A Probably genetic.

12 Q Genetic?

13 A That's correct.

14 Q I mean, if I were to look at the mom, I'd see a  
15 flattening of her frontal bones or the dad?

16 A That's the first place I'd look.

17 Q Is there anything else that would cause the  
18 flattening of the frontal bones?

19 A That's usually related to the genetic makeup of  
20 the child.

21 Q Did you see the flattening of the frontal bones  
22 on the other studies?

23 A No.

24 Q Is it normal that they don't show up right  
25 away, the flattening?

1           A    Yes.  
2           Q    Did you write anything on that?  
3           A    No.  
4           Q    Is there any literature on that anywhere?  
5           A    None that I can point you to.  
6           Q    So when you see a flattening of the frontal  
7 bones, you conclude that it's genetic in your practice?  
8           A    Yes.  
9           Q    Based on what?  
10          A    My 17 years of experience.  
11          Q    I understand but I guess what I'm saying is  
12 that the first time that you saw the frontal bones, you  
13 concluded it was genetic and, based upon your experience  
14 in genetics, you think the frontal bones are a genetic  
15 disposition?  
16          MR. BEAN: Object to the form.  
17 BY MR. ZWIBELMAN:  
18          Q    You can answer.  
19          A    I see lots of children with abnormal head  
20 shapes here and they're usually caused by two things.  
21 One is on the basis of genetics where their heads are  
22 basically forming often like their parents' head shapes  
23 are formed.  
24          Second, there are those kids that have abnormal  
25 premature closure of sutures for reasons nobody really

1 understands but probably on a genetic basis.

2 Third, because the brain is not growing and, if

3 the brain doesn't grow, then the head size stays small

4 and the skull bones prematurely close because the brain

5 is not giving it a driving force to grow outward.

6 Q In this particular case is the brain growing?

7 A Yes. This is a normal appearing brain.

8 Q It says in the report: Prominent frontal and

9 frontal parietal sulci are observed.

10 Do you agree with that?

11 A No.

12 Q Let me ask you this. Do you see anything on

13 the films, the study of 8/12/98, which on review of a

14 radiologist or neuroradiologist to conclude there was

15 prominent frontal and frontal parietal sulci?

16 A No.

17 Q Would you say that the physician who

18 interpreted these films is just plain wrong?

19 MR. BEAN: Object to the form.

20 BY MR. ZWIBELMAN:

21 Q You can answer.

22 A I would say that he doesn't see that many

23 children's films.

24 Q What percentage of your practice deals with

25 neonates?

1           A    I deal 100 percent with pediatrics, which at  
2   this institution is age 21 or less. And I would say  
3   that 10 to 15 percent deals with children within the  
4   first 30 days of life, which I define as the neonatal  
5   period.  
6           Q    And what percent in the first two and a half  
7   months of life, including the neonatal period?  
8           A    About 20 percent.  
9           Q    Do you have any idea what Dr. David Martin's  
10   experience is?  
11          A    No.  
12          Q    In your opinion, if you see prominent frontal  
13   and frontal parietal sulci, what can be the cause of  
14   that?  
15          A    Most of the time it's normal in a child this  
16   age.  
17          Q    So most of the time prominent frontal and  
18   frontal parietal sulci are just normal; right?  
19          A    Correct.  
20          Q    Again, can you tell me any literature, any book  
21   or articles, any anything, that stands for the  
22   proposition or talks about the proposition that  
23   prominent frontal and frontal parietal sulci are usually  
24   normal?  
25          A    No, I can't point to any particular place.

1 Q You have not written anything on that, have  
2 you, sir?  
3 A No, and I have no desire to.  
4 Q Did you see on this study of 8/12/98 that there  
5 were prominent sylvian fissures?  
6 A Which study are we talking about?  
7 Q 8/12/98.  
8 A I would not say that those were prominent  
9 sylvian fissures.  
10 Q Again, Dr. Martin, the individual who read this  
11 film is just plain wrong?  
12 MR. BEAN: Object to the form.  
13 BY MR. ZWISZELMAN:  
14 Q You can answer.  
15 A That's his opinion and not mine.  
16 Q But do you see anything on that film that  
17 causes a reasonable doctor to conclude there were  
18 prominent sylvian fissures?  
19 A There are fluid spaces there that some people  
20 may call that, but I don't -- I don't consider those to  
21 be abnormal and would not include that in my report.  
22 Q What generally is the cause of prominent  
23 sylvian fissures?  
24 A Well, they're just part of normal development.  
25 Q Okay. Anything else other than additional



1 normal development?

2 A Well, any time if you have a big destructive  
3 process in the brain, then you can get the fluid spaces  
4 enlarged to compensate for that, but I don't see any  
5 evidence of that in this case.

6 Q Repeat the answer, please.

7 A When you lose brain tissue, the fluid spaces  
8 around the brain can increase in size to compensate for  
9 that, but I don't see any evidence of lost brain tissue  
10 on this study.

11 Q Can you turn, sir, to the 5/28/2000.

12 MR. BEAN: May 28, 2000 CT?

13 BY MR. ZWISSELMAN:

14 Q Yes.

15 A Okay.

16 Q Will you interpret that for me and dictate a  
17 report as if you're dictating it.

18 A So this study is compared to the last one  
19 from -- what was it August -- August 12, 1998, and now  
20 there is an acute small subdural hematoma over the left  
21 posterior temporal regions, no effacement of the brain  
22 tissue, the ventricles are normal in size and  
23 configuration, and the brain tissue is of normal  
24 attenuation without focal abnormality.

25 So apparently this kid resolved the previous

1   subdural and now has a small fresh one over on the  
2   opposite side of the brain, on the left side.  
3       Q   Is there any atrophy at all?  
4       A   Atrophy meaning that you have lost something  
5   that you had once before, my answer is no.  
6       Q   What is brachycephali?  
7       A   That refers to a head shape in which the  
8   forehead is prominent and flat.  
9       Q   Is that present?  
10      A   Would I have read this as a brachycephalic  
11   shaped head, no.  
12      Q   Was there flattening of the frontal bones on  
13   the film?  
14      A   It appears to be round to me.  
15      Q   Just out of curiosity, does this genetic  
16   problem of flattening of the frontal bones come and go?  
17      A   It can change over time with growth of the  
18   brain.  
19      Q   So somewhere there is some literature that  
20   talks about a genetic cause of flattening of the frontal  
21   bones which clears over time?  
22      A   I'm sure there is but I can't point you  
23   directly to it.  
24      Q   Finally, would you look at the CAT scan,  
25   please.

1           A    The MRI you mean?

2           Q    MRI, yes.

3           A    Okay.

4           MR. BEAN:  So now we're on the MRI of February

5 18, 2003.

6           BY MR. ZWIBELMAN:

7           Q    Yes.

8           A    Okay.  Well, I would read this showing as

9 ventricles normal in size and configuration.  I would

10 say there is one small 2 to 3 millimeter focal area of

11 necrosis in the white matter adjacent to the atria of

12 the right lateral ventricle and a similar size and shape

13 lesion adjacent to the atria on the left, and that on

14 the T2 weighted images -- the T2 weighted sequence there

15 is a slightly increased signal in the terminal

16 myelination zone adjacent to the atria of both lateral

17 ventricles.

18          Q    And the cause of that, sir?

19          A    So my impression would read incidental finding

20 of two small focal necroses in the white matter.

21 Otherwise a normal MRI of the brain.

22          Q    And the area of T2 signal, is that related to

23 this two to three-millimeter necrosis?

24          A    Part of it is and part of it is just a normal

25 lack of myelination in the last areas where the brain

1 myelinates.

2 Q If there is a normal lack of myelination, does  
3 that cause any clinical findings?

4 A No.

5 Q It's your impression that this T2 slightly  
6 increased signal causes no problem. Do you write on  
7 that?

8 Have you written anything on that one, sir?

9 A No. But I have had an MRI on my brain, and I  
10 have that and, as far as I know, I don't have any  
11 problems.

12 Q Well, we'll let the jury decide that.

13 A All right. Fair enough.

14 Q So that is normal and the areas of necrosis are  
15 normal; is that right?

16 A Well, no. Having these little focal necroses  
17 is not absolutely normal, but they're frequently seen in  
18 asymptomatic people.

19 Q Are they ever seen in symptomatic people?

20 A You can see them in symptomatic people, too.

21 Q If you see them in symptomatic people, what are  
22 the symptoms?

23 A Depends where the little focal necroses are.

24 Q In this case where you see the focal necroses,  
25 if there is going to be clinical findings, what do you

1 see?

2 A I can't pick out a specific thing that these  
3 would cause.

4 Q Would you defer on that to a pediatric  
5 neurologist?

6 A Probably not.

7 Q In this article that you wrote, this No. 62, on  
8 your CV, you talk about incidence of focal white matter  
9 in normal siblings and hemophiliac children..  
10 Do the hemophiliac children have this focal  
11 necrosis?

12 A The interesting thing about this study is we  
13 looked at HIV positive hemophiliac kids, those that got  
14 infected from the blood transfusion they got, and HIV  
15 negative hemophiliac kids, and a group of normal  
16 siblings of their siblings who didn't have hemophilia,  
17 and the interesting thing is we found these little focal  
18 white matter things in about an incidence of about 6  
19 percent in every group, all three groups.

20 So, in other words, it has nothing to do with  
21 hemophilia and nothing to do with HIV infection.

22 Q Does it have anything to do with any other  
23 finding these areas of necrosis?

24 A No. They were asymptomatic incidental  
25 findings.

1 Q In that research that you did, did you do any  
2 medical research into any other studies where physicians  
3 found areas of focal necrosis?

4 A Well, there have been lots of studies that have  
5 not included control groups that made lots of  
6 conclusions about these things that are incorrect  
7 because they didn't include a control group.

8 Q So you're telling me other articles by other  
9 physicians have concluded that areas of focal necrosis  
10 can and does cause clinical findings; is that right?

11 A I'm sure you'll be able to find that in the  
12 medical literature.

13 Q Let me ask you this. Your article is kind of  
14 against the mainstream of medical literature, isn't it?

15 A Well, I think that the mainstream of medicine  
16 would like to include a control group.

17 Q I appreciate that. That was not the question.  
18 My question was your findings and your conclusions, as  
19 far as focal white matter lesions, is contrary to the  
20 mainstream of medical literature, is it not, sir?

21 A Well, I don't know how to answer your question.

22 Q Well, try.

23 A You're talking about literature in general?

24 Q Well, I mean all other individuals who have  
25 written on areas of -- small areas of white matter

1 necrosis come to conclusions different than yours, do  
2 they not?  
3 MR. BEAN: Object to the form.  
4 BY MR. ZWISLIMAN:  
5 Q You can answer?  
6 A They may or may not. But I would not consider  
7 an article that made conclusions about these that did  
8 not include a control group to be of significance or any  
9 value whatsoever.  
10 Q And in those other articles -- you say it can  
11 be a normal variant with no clinical findings.  
12 In those situations where there are clinical  
13 findings, what's the cause of it?  
14 A Most of the research that I have seen relate  
15 these focal necroses in the white matter to infections  
16 and primarily to chorioamnionitis.  
17 Q Do any of them relate to trauma?  
18 A No.  
19 Q If we could go back to your -- you indicated in  
20 reading Dr. Edwards Brown's deposition that there was on  
21 page 11, lines 11 through 14 --  
22 A Yes.  
23 Q That this was something significant enough for  
24 you to flag. What was it about that was contained in  
25 page 11 to 14 that was significant enough for you to

1 flag.

2 You said you had a new marker?

3 A Yes.

4 Q Why did you want to use your new marker on page  
5 11, line 11 through 14.

6 A I was highlighting the fact that she said that  
7 the child suffered a fairly good-sized intracranial  
8 hemorrhage. It was predominantly a right parietal  
9 subdural hematoma that caused mass effect and midline  
10 shift.

11 Q And you don't think it was good-sized?

12 A I think it was a small subdural hematoma and  
13 caused some mass effect but I don't think it caused a  
14 midline shift.

15 Q Again, are there any -- you said there is no  
16 textbook you considered to be authoritative?

17 A Yes.

18 Q Are there any standard textbooks?

19 A What's the difference?

20 Q I don't know. Let me ask you this. If you  
21 turn to your right, you have the Barkovich book in your  
22 library, don't you?

23 A I'm facing straight ahead and I have that.

24 Q Do you have any other textbooks of neonatal or  
25 pediatric neuroradiology in your little library in your



1 office?

2 A For the residents I keep a lot of textbooks in  
3 my office.

4 Q Tell me what other textbooks you keep in your  
5 office for the benefit of those residents?

6 MR. BEAN: In what subject area?

7 BY MR. ZWIBELMAN:

8 Q Pediatric neuroradiology.

9 A Well, I have Randy Jenkins' book. I have the  
10 Newton and Potts series of neuroradiology books. I have  
11 the Taveras and Woods neuroradiology books.

12 Q Do you look at any of those books?

13 A I occasionally look things up, yes.

14 Q Are those books standard text used by  
15 practitioners to keep them abreast of modern techniques  
16 of diagnosis?

17 MR. BEAN: Object to the form.

18 BY MR. ZWIBELMAN:

19 Q You can answer.

20 A No, they're reference books.

21 Q Reference books, okay. If I were to look in  
22 some of those reference books, would it say anywhere  
23 that a subdural hematoma almost a centimeter in size is,  
24 what's the word you used, trivial, small?

25 MR. BEAN: Object to the form.

1 THE WITNESS: I said small, not trivial.  
2 BY MR. ZWIBELMAN:  
3 Q Small, okay. Are there any of those reference  
4 books that would describe a subdural hematoma in a  
5 neonate as large as a centimeter in size to be small or  
6 is that the Nelson system of grading?  
7 MR. BEAN: Object to the form.  
8 BY MR. ZWIBELMAN:  
9 Q You can answer.  
10 A I'm not sure anybody put down -- I've never  
11 seen a grid that says zero to 1 small; 1 to 2 medium;  
12 greater than 2 large, if that's what you mean.  
13 Q Tell me what the Nelson system of grading is?  
14 How large would a subdural hematoma in a  
15 neonate be and still be considered small?  
16 A Well, it depends on the kid, depends on where  
17 it is and it depends on what it is doing.  
18 Q Well, in this kid.  
19 A In this kid I said it's small.  
20 Q If it were 2 centimeters in size in this kid,  
21 would you consider it small?  
22 A No.  
23 Q One and a half centimeters, would that be  
24 small?  
25 A I'd say that is getting a little bigger.

1 Q Anything else between page 11 and 14 that  
2 caused that new highlighter to become active?  
3 A Yes, in the next paragraph on line 18 and 19.  
4 Q We're still on line 11 through 14.  
5 A Well, no.  
6 Q On 18, 19, what was it about 18 and 19 you  
7 found significant enough to highlight it?  
8 A Then I saw evolution from those hematomas to a  
9 pattern in August of some atrophy.  
10 Q And you saw no atrophy?  
11 A There is evolution of hematoma but no atrophy.  
12 Q Anything else in 18 and 19 that you felt was  
13 significant?  
14 A No.  
15 Q And finally on page 24 and 25, what was it  
16 about those two lines?  
17 MR. BEAN: You said page --  
18 BY MR. ZWISSELMAN:  
19 Q Line 24 and 25 on page 11.  
20 A Let's continue it over since it's all the same  
21 thought.  
22 "I saw widening of the extra-axial fluid spaces  
23 and sulci, so I thought the ventricles were a little bit  
24 prominent. That's a sign that there has been some  
25 volume loss of the brain."

1 Q Now, you disagree that there were any  
2 extra-axial fluid spaces and sulci; correct?  
3 A I thought there were some extra-axial fluid  
4 spaces, but I didn't think they were abnormal and I  
5 don't think that is a sign of parenchymal volume loss.  
6 Q What are sulci?  
7 A The valleys between the gyri.  
8 Q Did you see some widening of those?  
9 A No.  
10 Q Was that what Dr. Martin found on August 12?  
11 MR. BEAN: Object to the form. I'm not sure  
12 what you mean.  
13 BY MR. ZWIBELMAN:  
14 Q You said you disagreed with some of the things  
15 he found.  
16 A I think that was on August 12, that's correct.  
17 Q Have we covered your comments on lines 24 and  
18 25, on page 11?  
19 A Yes.  
20 Q Then you also went all the way down to line 14  
21 on page 12, so tell me what it is about that that caused  
22 you to flag it?  
23 A Well, then we'll keep on. "Then I noticed a  
24 little bit less than 2 years later he had another fall,  
25 he had a much smaller hemorrhage." Well, I agree with

1 that.

2 "Again I thought he had some prominence of his  
3 extra-axial spaces and some atrophy."

4 Q And you disagree with that?

5 A Yes. "And then I noticed in February of this  
6 year that he had white matter volume loss." I  
7 disagree.

8 "Periventricular gliosis consistent with, I  
9 said, hypoxic-ischemic encephalopathy." And I  
10 completely disagree.

11 Q Do you agree with the periventricular gliosis?

12 A No.

13 Q That's different from what you described  
14 them as --

15 A Focal white matter necrosis.

16 Q That's a different entity?

17 A I don't know what she means by that.  
18 Periventricular means the white matter around the  
19 ventricles.

20 Q Is that where you found the small areas of  
21 necrosis?

22 A In a very specific place within the  
23 periventricular white matter.

24 Then it goes on, "I think the basis of  
25 hypoxic-ischemic encephalopathy was the hypoperfusion

1 that resulted from the increased intracranial pressure  
2 at the time of birth."  
3 Q You disagree with all that?  
4 A I disagree with all that, yes.  
5 Q Was there any indication on any of the films or  
6 on any of the records that there was increased  
7 intracranial pressure at birth?  
8 A Not to my knowledge.  
9 Q If, in fact, clinically a physician would  
10 diagnose increased intracranial pressure, what would you  
11 see?  
12 MR. BEAN: Object to form and foundation.  
13 BY MR. ZWISZELMAN:  
14 Q Let me ask you this. Do you feel qualified to  
15 render any opinions as to what a clinician would see in  
16 a neonate to cause him to diagnose increased  
17 intracranial pressure?  
18 A No, I'd defer that to the appropriate treating  
19 physician.  
20 Q Can you have increased intracranial pressure  
21 that doesn't show up on radiographic studies?  
22 A Generally you see changes on the imaging  
23 studies.  
24 Q What changes do you see, sir?  
25 A Again, you would see bulging fontanel, and you

1 would see effacement of the gyri and sulci generally.  
2 You would see small ventricular systems. You would see  
3 absent cisterns, herniating brain tissue, a ground glass  
4 appearance of the brain tissue.  
5 Q Anything else about lines 1 through 14 on page  
6 12?  
7 A No.  
8 Q And then on page 13, lines 23 to 25.  
9 A Yes, it says, "I think it's obvious that there  
10 was a birth injury. He was born with a huge hematoma,  
11 large scalp hematoma."  
12 Q Do you disagree that this is a birth injury?  
13 A Well, I think he had the hematoma, if you want  
14 to call that a birth injury. But I don't think there is  
15 any evidence of brain injury.  
16 Q Okay. And, again, we can go through it line by  
17 line, but would you agree there was nothing about Dr.  
18 Edwards Brown's deposition that sticks out, other than  
19 the lines you mentioned, as being clearly erroneous?  
20 A Well, I don't know about that. Those are the  
21 ones I highlighted.  
22 Q Tell me what else you think was wrong with her  
23 deposition -- that you disagree with her in her  
24 deposition?  
25 A I think in sum and substance, other than the

1 fact the hematomas were present, I pretty much disagree  
2 with everything she has to say.

3 Q Is she a pediatric neuroradiologist?

4 A I'm not quite sure what her practice is. I  
5 know she practices in Indiana. That's about it.

6 Q If you would see a hypoperfusion injury, what  
7 would you be seeing on an MRI?

8 A hypoperfusion injury that occurred in birth,  
9 what would you see on an MRI about five years later?

10 A You'd be looking for signs of necrosis in the  
11 vascular border zone territories.

12 Q Were these areas of necrosis in the vascular  
13 borderline territories?

14 A No.

15 Q How many weeks of gestation was this child, do  
16 you know?

17 A I don't recall offhand. I'd have to check the  
18 notes.

19 Q Would you call them vascular borderline areas?

20 A Border zones.

21 Q Do the vascular border zones change as the  
22 gestational age increases?

23 A Yes, they change with development.

24 Q Development in utero?

25 A Yes.



1 Q But, as of right now, you can't tell me how far  
2 along the child was when he was delivered?  
3 A If you hang on a moment, I'll tell you.  
4 Q I'm sure you can look at it but, in forming  
5 your opinion that there was nothing in these areas of  
6 border zones, you didn't bother to find out how far  
7 along the gestation of the child was?  
8 MR. BEAN: Objection; you asked about what  
9 would be seen at 5 years of age, Myron.  
10 BY MR. ZWIBELMAN:  
11 Q I appreciate that. What I'm saying is that you  
12 said at 5 years of age you would see areas of damage in  
13 certain border zones, right, is that what you said?  
14 A The border zones change during embryonic  
15 development. When you get into the fetal period, the  
16 border zones are fairly well set, and from the last half  
17 of gestation the border zones don't change. So this  
18 child was term or close to term, just looking on the  
19 gyro pattern on the CT.  
20 Q Is it your testimony that the border zones are  
21 the same for a 30-weeker as for a 40-weeker?  
22 A Yes.  
23 Q It doesn't change at 33 or 34 weeks?  
24 A No.  
25 Q And you've never testified to something like

1 that?

2 A Not that I can recall. I've testified that  
3 they didn't change. If you look in my CV on the paper  
4 that is talking about the search for ventricular fugael  
5 arteries, that is directly related to this issue.

6 Q Can you tell the type of machine that was used  
7 on the 6/1 CAT scan?

8 A It's a high-speed Advantage, so that's a GE  
9 scanner.

10 Q Was that state of the art in the year 1998?

11 MR. BEAN: Object to form.

12 THE WITNESS: I don't know that for a fact.

13 BY MR. ZWIBELMAN:

14 Q What kind of machine did you have in your  
15 institution in 1998?

16 A GE CT scanner. I don't remember which model it  
17 was. There is nothing wrong with the CT scan. It's  
18 fine. I have no problem with the quality for the CT  
19 scan.

20 Q Would you agree it's not within the scope of  
21 your practice to render opinions about the physical  
22 limitations or lack of physical limitations in findings  
23 that a film would produce?

24 MR. BEAN: Object to form.

25 BY MR. ZWIBELMAN:

1 Q You can answer.  
2 A No, I don't think you can correlate findings on  
3 a CT or MRI directly with the clinical status of the  
4 patient.  
5 Q Do you know what this child's clinical status  
6 is?  
7 A Roughly from what it says in the records.  
8 Q What records did you look at to determine what  
9 the child's status is.  
10 A I didn't have anything new.  
11 Q Did you just look at the birth hospitalization?  
12 A Not just.  
13 Q Tell me all the records you looked at.  
14 A Isn't that repetitive.  
15 Q It may be, but Mr. Bean will let me ask it.  
16 A Okay. I have the St. John's Mercy Health Care  
17 System records.  
18 Q What date?  
19 A The newborn chart.  
20 Q When you do a newborn study or roughly 39 or 40  
21 hours of life, do you know or inquire if there was  
22 instrumentation in the delivery?  
23 A I don't usually get that history, per se.  
24 Q If you see a subdural hematoma, would you  
25 inquire of the physicians whether there was

1 instrumentation used in the delivery?

2 A Well, if there was a large scalp hematoma, I'd

3 ask if they used a vacuum extractor or not.

4 Q Was there a large scalp hematoma in this case?

5 A Yes.

6 Q Did you assume they used a vacuum?

7 A I don't know. I mean they could have or might

8 not. You can still get big hematomas with just a normal

9 vaginal delivery.

10 Q How about with forceps, have you seen a scalp

11 hematoma with forceps?

12 A Yes.

13 Q Is the number one cause of a subdural hematoma

14 in a neonate the use of instrumentation in a delivery?

15 A I don't know the answer to that.

16 Q Would any of those books in your little library

17 reflect at all on that?

18 A Not that I know of.

19 Q Is there a book by Volpe?

20 A Yes, I have Volpe's textbook, third edition.

21 Q And did that talk about the causes of subdural

22 hematomas in neonates?

23 A Probably.

24 Q I don't have anything else.

25 MR. BEAN: He has other opinions.

1 BY MR. ZWIBELMAN:  
2 Q What other opinions do you have?  
3 THE WITNESS: Can we go off the record for a  
4 second?  
5 BY MR. ZWIBELMAN:  
6 Q I want to stay on the record.  
7 MR. BEAN: I object to the form of the  
8 question, then.  
9 BY MR. ZWIBELMAN:  
10 Q What other opinions do you have other than what  
11 you testified to here today?  
12 A I think we covered all of those. I can't think  
13 of any more at this time. I don't think there is white  
14 matter hypoplasia or atrophy in the brain --  
15 Q We've talked about that, haven't we?  
16 A Yes, we have.  
17 Q What is Mr. Bean talking about? Babble.  
18 MR. BEAN: You didn't want me to tell him,  
19 Myron, so you'll have to wait to hear it at trial. I'm  
20 just telling you I think he's got more opinions.  
21 BY MR. ZWIBELMAN:  
22 Q Do you think you have more opinions than we  
23 talked about here today, sir?  
24 A I think I pretty much covered it.  
25 MR. ZWIBELMAN: Okay.

1 EXAMINATION  
2 BY MR. BEAN:  
3 Q Is there normal corpuscalosum (phonetic)?  
4 A Yes, there's a normal-sized corpuscalosum on  
5 the MRI.  
6 Q Is there any cortical atrophy?  
7 A There's no cortical atrophy on the MRI.  
8 Q Is there any evidence on any of these films  
9 that suggests increased intracranial pressure causing  
10 injury to this child's brain?  
11 A No.  
12 MR. ZWIBELMAN: Didn't we talk about that,  
13 sir?  
14 THE WITNESS: Yes, we did.  
15 MR. ZWIBELMAN: Was Mr. Bean not listening?  
16 THE WITNESS: I think he's just being his  
17 lawyerly self.  
18 BY MR. BEAN:  
19 Q Is there any evidence of gliosis on the MRI?  
20 A Not in my opinion.  
21 Q Any evidence of encephalomalacia on the MRI?  
22 A Not in my opinion.  
23 MR. BEAN: I think that's probably it.  
24 MR. ZWIBELMAN: I get the original and a  
25 miniscript and ASCII.

1           MR. BEAN: I'll get a copy and mini.  
2           MR. ZWIBELMAN: Can we make some arrangements  
3 for the doctor to read it?  
4           MR. BEAN: Sure.  
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I, MARVIN D. NELSON, JR., M.D., do hereby  
declare under penalty of perjury that I have read the  
foregoing transcript of my deposition; that I have made  
such corrections as noted herein, in ink, initialed by  
me, or attached hereto; that my testimony as contained  
herein, as corrected, is true and correct.

EXECUTED this \_\_\_\_ day of \_\_\_\_\_,  
2003, at \_\_\_\_\_, \_\_\_\_\_.  
(City) (State)

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MARVIN D. NELSON, JR., M.D.



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I, the undersigned, a Certified Shorthand Reporter of the State of California, do hereby certify:

That the foregoing proceedings were taken before me at the time and place herein set forth; that any witnesses in the foregoing proceedings, prior to testifying, were placed under oath; that a verbatim record of the proceedings was made by me using machine shorthand which was thereafter transcribed under my direction; further, that the foregoing is an accurate transcription thereof.

I further certify that I am neither financially interested in the action nor a relative or employee of any attorney of any of the parties.

IN WITNESS WHEREOF, I have this date subscribed my name.

Dated: \_\_\_\_\_

\_\_\_\_\_  
VIRGINIA PETERAITIS  
CSR No. 6205