STATE OF MICH	HIGAN DECENTER
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IN THE CIRCUIT COURT FOR TH	HE COUNTY OF MACOMB
ZACHARY SUNDERLIK, a minor, by his Next Friend, DAWN SUNDERLY	
by his next Friend, DAWN SUNDERLI)
Plaintiff,	1
)
vs.	3
WILLIAM BONNEFIL, M.D., MACOMB) Case No.) 98-5052-NH
GYNECOLOGIC ASSOCIATES, P.C., a) 56-3032-NR
Michigan Corporation, ST. JOHN) Pages 1 - 35
HEALTH SYSTEM - DETROIT MACOMB-)
CAMPUS D/B/A MACOMB HOSPITAL)
CENTER, a Michigan Corporation, Jointly and Severally,)
Soluciy and severally,)
Defendants.)
·	}
DEPOSITION OF MARVIN D. N	
LOS ANGELES, CAL	lifornia
OCTOBER 26, 2	2000
Reported by Laura Mellin	
Reported by Badta Merizan	11, CSA NO. 6161
PRS Job No. 3-	· 57898

Deposition of Marvin D. Nelson, Jr., M.D.	taken October 26, 2000	
I APPRARANCES OF COURSEL:	LOS ANGELES, CALIFORNIA; THURSDAY, OCTUBER 26, 2000	
5 FOR PLAINTEFF:	2 2;10 P.M.	
3 Pearlman and Pianin, P.L.L.C. By: Michael Pianin, Seq. 4 Case Towns Square	3	
	4 MARVIN D. NELSON JR., M.D.,	
5 Besthfield, Michigan 48676 (248) 256-5080 5	5 having been first duly sworn,	
e POR DEFENDANTS: 7	6 was examined and testified as follows: 7	
Ettrb. Drutches, Magner & Soundy	8 EXAMINATION	
One Woodward Avanue	9	
Detroit, Kichigan (8226-3412 20 (313) 565-6718	10 MR. PIANIN: Let the record reflect this is	
21	11 discovery in the deposition of Dr. Nelson being taken	ŕ
12	12 pursuant to notice.	ř.
13	13 Q Would you state your full name, please	
14	14 A Marvin D. Nelson, junior.	
15	15 Q Dr. Nelson, my name is Michael Pianin. 1	
16	16 represent a child named Zachary Sunderlik in a lawsuit	
11	17 that he's brought. I'm going to be asking you some	
28	18 questions today about your opinions. If I ask you any	
19	19 questions that you're not clear about or any questions	
20 21 Deposition of RARVIE D. WELSON JR., M.D., the witness.	20 that you don't understand, please don't answer the	
22 Deposition of RARVIN D. WELSOW JR., N.D., the withour, 32 taken on behalf of the Rightift, on THURSDAY, CUTOMER	21 question. Tell me that you're not clear or that you	
23 26, 2000 st. 2:10 P.K., st Childrens Rospital, \$650	22 don't understand it.	:
21 Susset Boulevard, Los Angeles, California, before	23 Is that fair?	
25 Laura Mellini, CAR Bo. 8181.	24 A Ycs, sir.	
	Page 2 25 Q I know you've had your deposition taken	
	Page 4	
I TROFX	t before. Is that correct?	
2 #ITERSO STARINATION PAGE	2 A Yes, sir.	
3 HARVIN D. HRUSON, JK., H.D.,	3 Q You've given me a curriculum vitae, which I	
4 By pc. tinhin 4	4 just received before the start of the deposition. 1	
5	5 take it that it is current and up to date.	
6	6 Is that correct?	ų
T	7 A Well, let me take a look at it just to be	-
f	8 sure. It's still warm from the copier.	
9	9 Yes, it appears to be the most up-to-date CV1	
1	 have seen yet. Q Okay. Thank you. It's my understanding that 	
2	12 you have been asked by the defendants to render an	
- 	13 opinion in this case. Is that correct?	
4	14 A Yes.	
 15 – К.Я.Е.І.Т.У	15 Q Can you tell me what information that they've	
if (Rose offered)	16 given to you in order for you to review so that you can	
7	17 make an opinion?	
\$	18 A They have forwarded the neuro imaging studies	
5	19 on the child, consisting of an MRI scan and a CT scan.	
10	20 Q Anything else?	
n	21 A No, sir.	
2	22 Q Did they give you the reports as well as	
3	23 studies or just the	
a	24 <u>A No.</u>	
S.	25 Q You just had the films?	
	Page 5	



osition of Marvin D. Nelson, Ir., M.D.	i-Page™ taken October 26, 2000
A Yes.	1 for anybody else in your law firm that I can remember.
Q Have you ever seen the reports?	2 Q Do you know when did you first start
A No. sir.	3 when was the first case you reviewed for Mr. Brzezinski?
 Have you written any of your own reports or 	4 A Three or four years ago.
mpressions regarding your evaluation or interpretation	5 O How much medical/legal work do you do?
f the films?	6 A In what terms? Percentage of my time?
A No. sir	7 Q In terms you want to give me. How many cases
Q Do you have the films here today?	8 a year? What percentage of your time? Pick your own
A Yes, sir.	9 parameters.
Q For identification what specifically did	10 A Well, I started reviewing medical/legal cases
vhat specific films did they give you to look at?	11 in 1988, and over the years I have averaged about 50
A An MRI scan dated 24, April, 1997, and a CT	12 consultations a year, 50 cases a year, and, of course,
	13 they go on forever. Of those I would say there have
can of the head dated 16, April, 1999.	14 been on average about ten depositions a year, and I ve
Q Did they give you any ultrasounds to view?	15 done about three trials a year.
A I think that there was an ultrasound of the	16 Q In terms of percentage can you tell me the
tidneys or something in there that - unrelated that was	17 percentage that you've been doing it at the request of
n the film jacket.	17 percentage that you ve occar tuoning it at the request of 18 defendants versus plaintiffs?
O Did you ever receive any information regarding	19 A At the level of consultations, just overall
achary Sunderlik, other than the films themselves?	
A Just after rendering an opinion as to what I	20 consultations? 21 Q Sure.
hought the films showed, then I was informed by	-
Mr. Brzezinski about there being a question of a group B	22 A It's about 75 defense, 25 percent plaintiff.
strep infection around the time of birth, just some	23 Q In terms of depositions?
basic details about the child and what happened around	24 A More depositions for defense, probably 80, 85
he time of birth.	25 percent defense
Page 6	Page 8
Q ls it your testimony that when you looked at	1 Q In terms of trial?
he films, you had no background information in terms	2 A Probably about 90 percent defense. Most of
of	3 the plaintiff ones settled.
A That's correct.	4 Q Has that been constant since 1988, that
Q You have known Mr. Brzezinski for cases before	5 percentage?
his case. Is that correct?	6 A Yes.
A Yes, I have given consultations in three or	7 Q Do you advertise your services anywhere?
four brief cases.	8 A No, sir.
Q How much do you charge?	9 Q Do you know how people know of you to review
A \$400 an hour.	10 cases?
Q How long did that take you to look at the	11 A No.
films?	12 Q Do you know how Mr. Brzezinski knew of you to
A Half an hour.	13 review cases?
Q Is this charge of \$400 an hour for all the	14 A No, sir, I don't know.
work that you do?	15 Q Have you ever been - testified live at trial
A Yes.	16 in Detroit?
O Does that including testimony?	17 A No.
A Yes.	18 Q In the Detroit area, Michigan?
Q How many other cases have you worked on for	19 A No.
either Mr. Brzezinski or his law firm?	20 Q You said you've testified live at trial about
A Like I mentioned, three or four other cases.	21 three times a year?
A LIKE I HEIRIQUICU, UNCE OF TOUR OURT CASES.	22 A Yes.
Q That's for Mr. Brzezinski. Does that include	
Q That's for Mr. Brzczinski. Does that include all the other members of his law firm?	23 Q Do you also give video depositions?
Q That's for Mr. Brzezinski. Does that include	

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taken	October	26

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Deposition of Marvin D. Nelson, Jr., M.D.	-Page [™] taken October 26, 2000
	1 Q after the MRI? What is your reading of the
 or do you consider that a deposition? A Well, I've done it both ways. I've done video 	2 head CT?
A Well, I've done it both ways. I've done video 3 testimony for trial, and I've done video depositions.	3 A The head CT is abnormal. There are
 4 Q When you said three times a year live at 	4 calcifications in the putamen bilaterally that are
	s fairly symmetrical. There is also a little subcortical
5 trial, you meant actually going to court?	6 calcification in the region of the middle frontal gyrus
6 A Yes.	7 of the right frontal lobe. I would say there's a slight
7 Q Since you brought it up earlier, approximately 8 what percentage of your income is from medical/legal	8 prominence of the lateral ventricles and the cerebral
8 what percentage of your meanie is noar meancablegal 9 work?	9 sulci.
	10 Q I'm going to show you the written report from
	11 Beaumont Hospital and ask you if agree or disagree with
 Q. Do you hold any administrative positions at 12 Childrens Hospital? 	12 the finding of the radiologist.
	 A Okay, Well, let's take this line by line.
13 A Yes. 14 Q What's your administrative position?	14 Q All right.
A Chairman, Department of Radiology, Childrens	15 A He has (reading) pre and post contrast axial
16 Hospital, Los Angeles.	16 CT scan of the head were obtained. That's correct. The
16 Hospital, Los Aligoios. 17 Q How long have you done that?	17 ventricular system and basal cisterns are normal. I
A l've been the I was the acting chair	18 would say top normal at best, if not moderately
15 A I ve been de - I was de acting than 19 starting in February, 1998 and became the permanent	19 enlarged. Upper limits of normal or maybe slightly
20 chair in August of 1999.	20 enlarged would be my interpretation.
	21 O Of the lateral ventricles?
	22 A Of the lateral ventricles and sulci. There
23 A No.	23 are no signs of acute intracranial pathology. I have no
	24 idea what that means,
	25 Abnormal calcifications are noted in the
Page 10	Page 12
O Okay. Let's start with the MRI scan. The one) region of the basal ganglia bilaterally and subcortical
2 that was taken in '97. I take it you read it. You	2 white matter of the frontal lobe on the right side.
3 wrote no report interpreting it. Correct?	3 That's what I mentioned. Although I was more specific
4 A That's correct.	4 instead, of giving the exact location. They are
5 Q You do remember what it looks like?	5 specific in the putamen, which is nucleus in the brain,
6 A Yes, sir.	6 the base of the brain.
7 O What's your interpretation of the MRI scan?	7 No abnormal parenchymal enhancement is noted
B A lt's normal for the age.	8 on the post contrast studies. I agree.
9 Q I'm going to show you the report from Beaumont	9 The exact nature of these calcifications are
10 Hospital and tell me if you agree with it.	10 not clear. You can never exactly define the nature of
II A Yes, I agree with what was stated. "No	11 the calcifications. It can be seen in patients with
12 abnormality is identified." I agree with that.	12 toxoplasmosis, rubella, cytomegally virus and herpes
13 Q Just so we're clear on identification, this is	13 that should be cytomegally virus and herpes
14 a report for an exam date of 4/24/1997 regarding Zachary	14 encephalitis, granulomatous disease, metabolic disease,
15 Sunderlik, and it's a head MRI. Is that correct?	15 et cetera.
16 A That is correct.	16 That pretty much covers it most things.
17 MR. BRZEZINSKI: 5/24?	17 That's not the entire list, but it's most things.
18 THE WITNESS: April. It was April.	18 The skull base and calvaria are unremarkable.
19 MR. BRZEZINSKI: April is a 4.	19 I'll accept that.
20 BY MR. PIANIN:	20 Impression. Abnormal calcifications noted
21 Q You then looked at the head CT that was done	21 involving the basal ganglia bilaterally and the
22 on April 16th of 1999. Correct?	22 subcortical white matter of the frontal lobe. There are
23 A Yes.	23 no signs of acute intracranial pathology. No other
24 Q That would be approximately two years later	24 definite significant abnormality is identified. The
25 A Approximately.	25 posterior fossa structures are normal, and there are no

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eposition of Marvin D. Nelson, Jr., M.D.	taken October 26, 2000	
signs of hydrocephalus. The periventricular white	2 A Yes. One focal calcification in that region.	
2 matter appeared to be preserved.	3 And all of these are new since the MRI exam.	
3 That's not really an impression. He's	4 Q Obviously, none of these were found on the MRI	
4 restating his findings, and he's adding some new	5 since you found the MRI was normal?	
5 findings, but not really giving an impression at all.	6 A That's correct.	
6 C minus.	7 Q You said there was a slight prominence in the	
7 Q I wasn't really asking you to grade the	8 lateral ventricle?	
8 radiologist.	9 A Ventricles, yes.	
9 A You're asking me if I agree with the report.	10 Q That is not reported in by the physician at	
0 I think he has correctly identified the calcifications	1) Beaumont Hospital. Correct?	÷
that we talked about, but I don't think he's really	12 A He thought they were within normal limits.	÷
2 given he hasn't really provided much help to the provided much help to the study as to what's	13 O You don't agree with it?	
3 referring physician who asked for the study as to what's	14 A I think they're mildly prominent, but I don't	
4 going on. 5 Q So we see it, the referring physician is who?	15 think there's hydrocephalus present. They're not	
	16 obstructed and not enlarged on that basis.	
	17 Q You think they're larger than they should be?	
	18 A They're right in that borderline territory	
	19 where they're in the upper limits of normal, mildly	
9 Q Right below there. 0 A Errestina S. Mac.	20 enlarged.	
1 O Yes.	2) O I take it, as part of your practice, you	
A That looked like the mail room person from the	22 regularly read both CT scans and MRI scans?	
3 way that was looked put there. All right.	23 A Yes.	-
4 Q Going away from your grading of his actual	24 O What's the difference between them?	
5 writing, do you agree that the periventricular white	25 A What's the difference?	
Page 14	Page 16	
1 matter appear preserved?) Q Yeah.	
2 A Well, as best I can tell from the CT scan, it	2 A Between a CT and MRI7	
3 looked to be normal.	3 Q Not in terms of obviously the I'm not	
4 Q So you agree with that finding?	4 talking about the type of machine. I want to know in	
5 A Yeah, generally, I would agree with that.	5 terms of what can one see better versus the other. What	
6 Q Okay. Do you agree that the posterior fossa	6 can one see not as well as the other?	i.
7 structures are normal, and there are no signs of	7 A A CT scan is done using x-rays that pass	•
8 hydrocephalus?	8 through the head to make a computer-generated picture of	-
9 A 1 would agree that there's no signs of	9 what's contained within that volume of tissue included	
0 hydrocephalus, and the posterior fossa structures appear	10 on that scan. So it's looking at the continuation of an	
to be normal as depicted on this CT scan.	11 x-ray beam. So things are measured in terms of	
2 Q Would you have anything to indicate that the	12 continuation value, or some people call it a density of	
3 posterior fossa structures are abnormal in any other	13 tissue. The denser the tissue, the more obstructs the	
4 study?	14 passages of the x-rays.	
5 A No. They were normal on the MRI as well.	15 So the things that are extremely dense look	
6 Q So you agree with that finding?	16 bright while on our scans just by the standardization of	
7 A Yes.	17 the way we set it up. So the bones look white. The	
8 Q The abnormal calcifications involving the	18 brain tissue are shades of gray in between. Air is	
9 basal ganglia bilaterally - you said that they are	19 black. Water is set at the middle point, zero. Brain	
involving the putamen?	20 tissue runs values in the 35 to 60 range.	
A Ycs.	2J Q 35 to 60 range of what?	
2 Q The putamen is a portion of the basal ganglia?	22 A Hounsfield units. These are the artificial	
A It's one of the nuclei that are included under	23 units that are set up the scale to make our pictures.	
24 the general description of the basal ganglia.	24 What CT is excellent at doing is finding blood that's	
24 the general description of the basal ganglia. 25 Q There is calcification in the subcortical	24 What CT is excellent at doing is finding blood that's 25 extricated out of the vascular system. It's excellent	

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Deposition of Marvin D. Nelson, Jr., M.D.	taken October 26, 2000	?**
1 at structural detail, anatomic detail. It is exquisite	1 A Right. Like in a subarachnoid hemorrhage from	
2 for finding calcifications in the brain.	2 an aneurysm. MRI is very poor at detecting that. CT	
3 Q Calcifications would appear white?	3 picks up very small amounts.	
4 A Right. They appear white on the regular	4 Q You said that the CT was good for some	
5 brain, like on this case they are white.	5 structural looking at structure?	
6 Q That's because they're denser?	6 A Yes. But between the two, MRI does it better.	
7 A It's dense. It's calcium. It's dense.	7 Q Calcifications	
8 Magnetic resonance imaging uses magnetic	8 A Calcifications are better seen on CT. Big	
9 fields and radio frequency waves of the frequency	9 lumps of calcium, like are present on this CT scan, you	
10 between the hydrogen oxygen bond in water. That's where	10 will see on the MRI because it's solid. It will have a	
11 the resonance comes in. You make the water molecules	II signal void if it's big enough on the MRI. Things have	***
12 dance around by adding that resonant frequency, and when	12 to be in solution to see them on the MRI. But you will	a**
13 they snap back in alignment to the field, they give off	13 see the holes where the calcium sits.	
14 an energy that we use to make the images.	14 Q Small lumps of calcium you might not see?	
15 Depending on how we make them dance around,	15 A Small little flecks you wouldn't see, but the	
16 makes the difference on how the image looks. That's	16 calcifications present on this CT scan you would see on	
17 where the things you've heard about T1, T2 images comes	17 the MRI scan.	
18 around.	18 Q So the big calcifications as were - as you	
19 MRI is excellent at looking at the	19 saw in the CT of Zachary in 1999, if they did an MRI.	
20 three-dimensional structure of the brain because we can	20 you would see that?	
21 angle the plane and look at any direction without making	21 A Yes.	
22 the patient contort to fit the scanner. It's all done	22 Q But if they were little speeks of calcium, you	
23 electronically. It's excellent at looking at	23 might not see that on the CT?	Ŧ
24 myelination, which we don't see well with CT.	24 A They might not be seen, but there are often	
25 Q Myclination meaning?	25 other markers around that subject that there's necrosis	
Page 18	Page 20	
A Meaning white matter development, meaning	1 or damage in the tissue that you would see other things.	
2 laying down the fatty sheath that's insulation around	2 You just might not see the calcification.	
3 the axons developing in the central nervous system.	3 Q Sometimes you might; sometimes you might not?	
4 You got that?	4 A Yes.	
5 It is excellent at looking at congenital	5 Q According to the record, when the MRI was	
6 malformations in the brain.	6 originally ordered, it was ordered to rule out	i
7 Q Like Chiari?	7 leukodystrophy?	P.
8 A Chiari malformations, migration abnormalities,	8 A Yes.	-
9 all kinds of things. It's excellent at looking at	9 Q Would an MRI be a good modality to rule out	
10 damage to the central nervous system, areas of the	10 leukodystrophy?	
1 necrosis and subsequent - how it heals and leaving	11 A Yes. It probably would be the method of	
2 scars behind.	12 choice.	
13 Q So if, for example you said that the CT was	13 Q Did this, in your opinion, rule out	
14 good at looking at the blood, if blood has come out in	14 leukodystrephy?	
15 the brain?	15 A Yes.	
IG A Yes.	16 Q If there was leukodystrophy, what would you	
17 Q Would an MRI be good at that?	17 expect to see on the MRI?	
18 A MRI is not good at finding subarachnoid	18 A I would expect to see areas of abnormal or	
19 hemorrhages. It's very good at finding parenchymal	19 deficient myelination.	
20 hemorrhages. The blood is kind of pooled there, and it	20 Q You didn't see any of that. Is that correct?	
21 leaves hemosiderin stain on the MRI that is present	21 A No.	
22 virtually throughout the patient's life.	22 Q Is that correct?	
23 Q So for some blood that gets outside of the	23 A That's correct.	
24 system, it might be good; and for some you couldn't see	24 Q In both of the studies, both the MRI and CT.	
25 it?	25 you found no malformations or abnormal actual structure	
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-	Multi-	-Page Martine taken October 26, 2000
	eposition of Marvin D. Nelson, Jr., M.D.	
	i in the brain. Is that true?	1 and it produces a global encephalitis. So at this point
	2 A I did not.	2 you would expect to see a global atrophic brain. Not
:	3 Q That's what - by looking at both the MRI and	3 the pattern that's present here.
	4 CT. Zachary had a normally developed brain in terms of	4 Rubella can give you multiple tiny little puny
1 :	5 structure?	5 calcifications scattered throughout the brain in no Kinlow
ļ	6 A As best can be determined by an imaging study.	6 particular distribution, also which is not present here.
-	7 Q Now, in the MRI report I'm sorry. In the	7 What else did he put there?
1	8 CT report from 1999, the radiologist, Dr. Noujaim, lists	8 Then he put the general metabolic distributor.
	9 a number of things that potentially could cause some of	9 Yes, I agree with that. In my opinion, if I were Aufako 10 looking at the scan with the referring physician, I
	0 these changes that you saw, and I want to go through	11 would say you need to do a metabolic workup on this
1	them with you. Okay?	12 child.
	2 A We're talking about the CT scan, not the MRI	13 Q You think there's a possible metabolic cause?
		A I think that this child there's a good
3	4 Q I apologization of board of the	15 possibility that this child could have an inborn error
i	5 thing he mentions is toxoplasmosis. You saw that?	16 of metabolism.
1	6 A Yes.	17 Q You agree with the possibility of one of the
t	7 Q When you looked at the CT scan of 1999, did	18 things he lists?
	8 the possibility of toxoplasmosis cross your mind?	19 A Yes.
	9 A No.	20 Q Do you have an idea which inborn error of
2		21 metabolism?
2	A Because the calcifications present in	22 A I would tell them to focus their attention on
1	to toxoplasmosis have a different appearance than were	23 the aminoaciduria like propionicaciduria,
- n	present on this scan, and they have a different pattern	24 methylmalonicaciduria, and particularly on the
1 2	4 of distribution.	25 mitochondrial ATPase, the respiratory chain enzymes
themesic sharesic sharesic	Q So based on your look at the CT scan, you Page 22	Page 24
N NY	t don't believe this child suffered from toxoplasmosis?	1 present within the mitochondria.
man w	2 A No, I don't.	2 Q So the two things you think you would want to
	3 Q Is that correct?	3 focus on are the amino acid abnormalities and the
mar	4 A I do not.	4 abnormalities of the mitochondria?
	5 Just in general, what he's doing is he's	5 A Yes.
STATIST .	6 giving the garden variety list of things that cause	6 Q Can you state within a reasonable degree of
ALLI	7 calcifications in the brain, one of which are congenital	7 medical certainty whether Zachary has a metabolic
men	8 infections. So he's reading down the congenital	8 disorder?
المنهن	9 infections list as possibilities without really giving	9 A No.
· · ·	10 much thought to it.	10 Q Do you have an opinion of whether there's one
	11 Q I don't know how you would know he wouldn't	11 metabolic disorder that's more likely to have been in
1	12 give much thought to it, but I'll accept your comment.	12 Zachary than another metabolic disorder?
1	13 A Do you want me to explain why?	13 A Again, I would say, first, do the
1	14 Q Sure.	14 mitochondrial analysis, and then, second, do the amino
	15 A Because toxoplasmosis, like I said, not in	15 acid panel, if you're looking for abnormalities. 16 Q By the "mitochondrial analysis," you're
	16 this distribution in the calcifications, don't look	16 Q By the "mitochondrial analysis," you're 17 talking about diseases like Meerf Feerf (phonetic), I
1	17 like this. Cytomegally virus - these are not the	18 believe?
	ts calcifications of cytomegally virus infections. The	19 A That's one of the things that it could be.
	19 calcifications have a different appearance and different	20 That's a specific syndrome that you're talking about
1	20 distribution.	21 that's associated with mitochondrial abnormalities.
	21 Cytomegally virus calcifications are small and	22 What you would need to do in this particular
	22 subependymal in distribution, likewise, are not this 23 apparent on this CT scan and not in this distribution.	23 case is get a sample of his blood, and they go and they
12	24 Herpes in a neonatal herpes infection	24 take the mitochondria out of the white cells and do an
. (* I	25 typically does not give you calcifications in the brain,	25 analysis of the cycloDNA (phonetic) that's present
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1 within the mitochondria, looking for the specific	1 Q I want to talk to you for a minute about an	1
	2 infection. Okay. I take it you're familiar with	
2 genetics that produce these abnormalities.		
3 Q If that were done and it were negative, what	3 infection in newborns?	
4 would you then do?	4 A Yes.	
5 A Then I would press on and go to the amino acid	5 Q If a newborn gets an infection, let's talk	
6 panel and, obviously, this all should be done in the	6 about a specific kind. Let's talk about group B Strep	
7 context of having been evaluated by a geneticist, who	7 infection. Can that infection cause calcifications in	
8 probably could point to things much better than I can,	8 the brain?	
9 from having done a clinical exam and the appropriate	9 A Anything that can cause necrosis of brain	
10 laboratory tests that match up with the abnormality.	10 tissue can cause a calcification.	
11 Q If that were done the amino acids were	11 Q The answer is yes?	
12 looked at and that was negative - what would you think?	12 A The answer is yes. Group B is a particularly	-
13 A Then I would say you need to keep looking	13 nasty organism and, yes, it can cause calcifications.	
14 until you're looking at some of the other inborn	14 Most typically, it's not associated with any particular	
15 errors of metabolism, screening panels, ureal cycle	15 pattern of calcifications like some of the other	
16 defects.	15 congenital infections are.	
17 Q You believe it would be possible for Zachary	17 Q So generally if generally speaking, if a	
18 to be tested by a geneticist and have no positive	18 child had a group B Strep infection, the child could get	
19 findings. You believe that's possible?	19 calcifications in the brain, and it can be in different	
20 A Yes.	20 areas of the brain?	
21 Q Then what would your opinion be?	21 A Well, typically, a group B Strep infection	
22 A It means that they were not able to identify	22 wipes out the white matter. Particularly nasty to the	-
23 what his particular problem was and, unfortunately, that	23 white matter in the baby brains, and you end up with a	
24 happens.	24 brain in which the cortex is by and large left intact	
25 Q So you can't testify more likely than not that Down 24	25 with all the white matter shell you had out of it.	
Page 26	Page 28	
1 hc, in fact, does have a metabolic problem, can you?	1 There may be some little calcifications left amongst the	
2 A I think his imaging studies point in that	2 little bits and pieces left. But it's not the pattern	
3 direction, but I can't, you know that would all have	3 of injury that's present on this brain.	
4 to be confirmed with the appropriate laboratory tests.	4 Q You said "typically." That's not always how	
5 Q My question to you is you can only testify as	5 group B Strep infections attack, is it?	
6 to what your opinion is based on the scan. Correct?	6 A Well, there are always possibilities to have	Ĺ
7 A That's all I can testify to, period.	7 things that don't go by the book. That's true of any	-
8 Q You can't testify more likely than not that	8 discase.	*
9 Zachary does, in fact, have an inborn error of	9 Q The fact that this child had been pretreated	
10 metabolism?	10 before he was born could that have an affect on the	
 A No, I would leave that for the appropriate 	11 amount of damage to the brain, or is that something	
12 specialist to talk about that.	12 outside of your area of expertise?	
13 Q So you agree with my statement that you could	13 Well, I think if this child's brain were	
14 not testify more likely than not that he, in fact, has	14 damaged and neurotic as a result of infection, we would	
15 an inborn error of metabolism?	15 have seen it, first of all, on the first MRI. These	
16 A That's correct.	16 changes we're seeing here happened between that MRI and	
17 Q Are you familiar with Fahr's disease?	17 this scan. So anything that happened around the time of	
18 A Yes.	18 birth these calcifications are not related to	
19 Q Do you think he has Fahr's disease?	19 anything from the time of birth, period.	
20 A Fahr's disease is really a wastebasket disease	20 Q You agree that if there were some calculations	
21 of exclusion once you've ruled everything else out,	21 due to some damage by group B Strep at birth, it's	
22 and you have calcifications in the basal ganglia, they	22 possible that an MRI taken at ten months would not have	
23 call it Fahr's disease. So I don't use that diagnosis	23 seen it, but if a CT scan had been done at the same	
Ter 1	24 time, it would have seen it?	
24 because I think there's always a cause, even if you		
 24 because I think there's always a cause, even if you 25 can't find it. So I don't agree with that diagnosis. 	25 A 1 think that to be highly unlikely.	

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Multi- position of Marvin D. Nelson, Jr., M.D.	1.9	taken October 26, 2000
Q It's possible?	1	the right frontal lobe?
A Anything is possible.	2	A Probably an incidental little focal area of
Q What do you believe has caused the slight	3	brain injury that resulted in calcification.
prominence of the lateral ventricles?	4	O So you
A I think it's very difficult to say	5	A Cause unknown.
specifically what it's due to in this case. 1 don't	6	Q The bilateral calcification of the basal
know if it's a slight loss of volume of brain tissue or	7	ganglia that's a different part of the brain than the
if there's a slight imbalance in the production and	1	right frontal lobe, isn't it?
absorption of cerebral spinal fluid. At this age it	9	A Yes.
	10	Q Is it your opinion that you don't have an
Q Would a metabolic disease cause it?	11	opinion as to what caused the calcification in the right
	12	frontal lobe?
	13	A Well, no, I think that there's damaged brain
produced, which could make the ventricles appear	14	there. The brain was injured, and that's where the
slightly bigger.	15	calcifications came from.
and a Beer	16	Q What do you think injured the brain there?
	17	A I don't know specifically why that particular
you referring to - tell me what you mean by "damage at		
birth."	19	sometimes in metabolic diseases. I don't know since
Q Any kind of damage at birth, be it bacterial,		I don't know the whole clinical summary in this case, I
viral.		don't know if the child ever had a brain biopsy or a
		ventriculostomy took place. I don't think he did.
	23	O He didn't so?
	24	A So that that was one of these things that
		happened. It's in a completely different vascular
Page 30		Page 32
distribution. I would expect on that MRI for there to	1	distribution than the putamen.
be more cortical injury melting away at the gyri, which	2	Q Could the calcification in the right frontal
is not present here. The cortex seems to be perfectly	3	lobe be due to an infection at birth?
preserved. So I don't think that's present in this	4	A I don't think so because the Mat done a year
case.	5	later was normal, and calcium of that chunk, if it had
Q I want to talk for a moment about the putamin.		been caused by something at birth, would have been seen
A Putamen.	1	on that previous MRI.
o P-u-t-a-m-i-n?	8	Q If a brain tissue was injured at birth because
A P-u-t-a-m-e-n, that's singular. Putamin,	3	of bacterial infection, does it usually take some period
that's plural.		of time for it to react and become calcified?
Q The putamen is a portion of the basal ganglia?	111	A Sure. It goes through the whole set and
A It's a nucleus within the base of the brain.		sequence of necrosis and recovery and injury. But
By "nucleus" I mean it's a defined cluster of neurons.		
A ganglia is defined as a cluster of neurons in the	14	Q Do you have any other opinions in this case
s peripheral nervous system. So this is a bit of a	3	that we haven't covered?
s misnomer in calling it basal ganglia of the brain	16	A No I will not testify as to standards of
because the brain and the central nervous system should	1	care, nor the survival of the child. I will testify to
be a nucleus. Not a ganglion.		what I've talked about today.
Q You said that they were bilaterally	19	Q So have we covered all of the opinions that
) symmetrical?	1	vou have?
A Yes.	21	A Yes, I believe so.
	22	MR. PIANIN: Give me a second just to think.
/ I) were new contaity symmetrical, coacurv	23	(Discussion off the record.)
		(
symmetrical or generally symmetrical?	1	BY MR. PIANIN:
 symmetrical or generally symmetrical? A Generally symmetrical. 	24	BY MR. PIANIN: O. Have you billed defense counsel for this work.
symmetrical or generally symmetrical? A Generally symmetrical.	24 25	BY MR. PIANIN: Q Have you billed defense counsel for this work Page 33

Multi-Page [™]	
Deposition of Marvin D. Nelson, Jr., M.D.	taken October 26, 2000
i already?	
2 A I don't believe so.	
3 Q Do you know when you first looked at this	
4 information?	
5 A Four or five months ago. This deposition has	
6 been on again, off again, on again, off again.	
7 Q Have you discussed your opinions with anybody	
8 other than Mr. Brzezinski?	
9 A No.	
10 MR. PLANIN: I'm all done.	
(Whereupon, at 3:00 P.M. the deposition of	in the second
12 MARVIN D. NELSON JR., M.D. was adjourned.)	
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16	No. of the second se
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I STATE OF CALIFORNIA)	
2) 55	
3 COUNTY OF LOS ANGELES)	
4 I, LAURA J. MELLINI, Certified Shorthand	
5 Reporter, number \$1\$1, for the State of California, do	
6 hereby certify;	
7 That prior to being examined,	
8 MARVIN D. NELSON JR., M.D.,	
9 the witness named in the foregoing deposition, was by me	
10 duly sworn to testify the truth, the whole truth and	
11 nothing but the truth;	
12 That the testimony of the witness and all	
13 objections made at the time of the examination were	
14 recorded stenographically by me;	
15 That the foregoing transcript is a true	
16 record of the testimony and all objections made at the	
17 time of the examination. And signature is waived.	
18 I hereby certify that I am not interested	
19 in the event of the action. 20 IN WIINESS WHEREOF, I have subscribed my	
21 name this day of , 2000.	
22	
24 Certified Shorthand Reporter	
25 for the State of California	
	l l

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