

In The Matter Of:

*Deborah Caimi, et al. v.
St. Luke's Medical Center, et al.*

*Mark S. Scher, M.D.
November 8, 1999*

*Mehler & Hagestrom
Court Reporters
1750 Midland Building
Cleveland, OH 44115
(216) 621-4984 FAX: (216) 621-0050*

*Original File 991108MS.V1, 62 Pages
Min-U-Script® File ID: 4085212848*

Word Index included with this Min-U-Script®

Page 1

[1] IN THE COURT OF COMMON PLEAS
[2] CUYAHOGA COUNTY, OHIO
[3] DEBORAH CAIMI, et al.,
[4] Plaintiffs,
JUDGE RUSSO
[5] -vs- CASE NO. 348525
[6] ST. LUKE'S MEDICAL
CENTER, et al.,
[7] Defendants.
[8]
[9] Deposition of MARKS. SCHER, M.D., taken as
[10] if upon cross-examination before Tami A.
[11] Mitchell, a Registered Professional Reporter and
[12] Notary Public within and for the State of Ohio,
[13] at University Hospitals Health Center, 5850
[14] Landerbrook Drive, Mayfield Heights, Ohio, at
[15] 6:05 p.m. on Monday, November 8, 1999, pursuant
[16] to notice and/or stipulations of counsel, on
[17] behalf of the Plaintiffs in this cause.
[18]
[19] MEHLER & HAGESTROM
Court Reporters
[20]
CLEVELAND AKRON
[21] 1750 Midland Building 1015 Key Building
Cleveland, Ohio 44115 Akron, Ohio 44308
[22] 216.621.4984 330.535.7300
FAX 621.0050 FAX 535.0050
[23] 800.822.0650 800.562.7100
[24]
[25]

Page 2

[1] APPEARANCES:
[2]
Claudia Eklund, Esq.
[3] Lowe, Eklund & Wakefield
610 Skylight Office Tower
[4] 1660 West Second Street
Cleveland, Ohio 44113
[5] (216) 781-2600,
[6] On behalf of the Plaintiffs;
[7]
Beverly A. Harris, Esq.
[8] Mazanec, Raskin & Ryder Co., L.P.A.
100 Franklin's Row
[9] 34305 Solon Road
Solon, Ohio 44139
[10] (440) 248-7906,
[11] On behalf of the Defendants
Ohio Permanete Medical Group
[12] and Dr. Scolnik;
[13] Michael Golding, Esq.
Moscarino & Treu
[14] The Caxton Building
812 Huron, Suite 490
[15] Cleveland, Ohio 44115
(216) 583-1000,
[16]
On behalf of the Defendant
[17] St. Luke's Medical Center.
[18]
[19]
[20]
[21]
[22]
[23]
[24]
[25]

	Page 5
<p style="text-align: right;">Page 3</p> <p>[1] MARK S. SCHER, M.D., of lawful age, [2] called by the Plaintiffs for the purpose of [3] cross-examination, as provided by the Rules of [4] Civil Procedure, being by me first duly sworn, as [5] hereinafter certified, deposed and said as [6] follows: [7] CROSS-EXAMINATION OF MARK S. SCHER, M.D. [8] BY MS. EKLUND: [9] Q: Would you state your full name, please. [10] A: Mark Steven Scher. [11] Q: And you are a pediatric neurologist? [12] A: Yes. [13] Q: Do you happen to have a copy of your CV, which I [14] should have asked you before we started? [15] A: No, I do not. [16] Q: Do you have one at your office? [17] A: I can certainly send you one. [18] Q: Tell me about your medical training and [19] education. [20] A: Medical school was at the State University of New [21] York Down State, Brooklyn, New York from 1972 [22] until 1976. Pediatric residency from 1976 to [23] 1978 at New York Hospital Cornell Medical Center, [24] pediatric neurology and neurology residency at [25] University of Minnesota Hospitals 1978 to 1981.</p>	<p>[1] A: Neurology with special confidence in child [2] neurology, pediatrics and clinical [3] neurophysiology. [4] Q: The last one you said? [5] A: Clinical neurophysiology. [6] Q: When were you certified in child neurology or [7] neurology with a subspecialty? [8] A: 1983 was the orals. I completed the entire set. [9] Q: Is there a written exam also? [10] A: There's a written before that that you have to [11] pass and you go on to the orals. [12] Q: Did you pass the written and orals on the first [13] try? [14] A: Yes. [15] Q: Have you been recertified? [16] A: Not required. [17] Q: What about pediatrics, is it a written and oral [18] exam? [19] A: 1986 I was boarded. [20] Q: Did you pass both the written and oral exam on [21] the first attempt? [22] A: Written I took twice and the oral once. [23] Q: Meaning you did not pass the written the first [24] time? [25] A: That's correct.</p>
	Page 6
<p style="text-align: right;">Page 4</p> <p>[1] Also during that time a clinical neurophysiology [2] fellowship concurrent the same years I was there. [3] Post graduate research at Stanford in neonatal [4] neurology and experimental epilepsy. And I began [5] my first faculty appointment at the University of [6] Pittsburgh. [7] Q: How long were you at the University of [8] Pittsburgh? [9] A: 14 years. [10] Q: You taught pediatric neurology? [11] A: I was full-time staff pediatrics in the division [12] of pediatric neurology. [13] Q: You left there in what year? [14] A: 1997. [15] Q: You started at University? [16] A: Case Western Reserve University and University [17] Hospitals. [18] Q: Where you are currently employed? [19] A: Where I'm chief of the division of pediatric [20] neurology. [21] Q: How long have you been chief of that division? [22] A: Since I have arrived, 1997. [23] Q: Are you board certified? [24] A: Yes. [25] Q: In what areas?</p>	<p>[1] Q: What about clinical neuropsychology? [2] A: Neurophysiology. 1980. That was the first board [3] I took and passed that the first time. [4] Q: Two-part test? [5] A: Actually three-part test. [6] Q: Passed them both the first time? [7] A: Yes. [8] MS. HARRIS: Which of the three? [9] You said both. [10] A: I passed all three the first time. [11] Q: And does that certification require any [12] recertification? [13] A: No. [14] Q: How long have you been doing medical-legal work? [15] A: Since 1984. [16] Q: How many cases per year do you review presently? [17] A: 10 or 12. [18] Q: Is it fair to say you review cases primarily on [19] behalf of defendants? [20] A: About 75 percent for defendant, either doctor or [21] hospital. [22] Q: Have you ever advertised your services as an [23] expert witness? [24] A: No. [25] Q: Did you work for some time with the Sapanaro</p>

	Page 7	Page 9
<div>[1] group?</div> <div>[2] A: Yes.</div> <div>[3] Q: That was before coming to University Hospitals?</div> <div>[4] A: Way before. 1984to 1986.</div> <div>[5] Q: Would that have been your first experience in the</div> <div>[6] medical-legal arena?</div> <div>[7] A: That's correct.</div> <div>[8] Q: I take it you are not an expert in the area of</div> <div>[9] obstetrics?</div> <div>[10] A: Correct.</div> <div>[11] Q: You're not an expert in the area of perinatology?</div> <div>[12] A: Correct.</div> <div>[13] Q: You're not an expert in neuroradiology?</div> <div>[14] A: Not boarded in radiology. I'm only hesitating</div> <div>[15] because you know as a neurologist that's what we</div> <div>[16] do is read x-rays. I'm not boarded in that area.</div> <div>[17] Q: You're not an expert in reading and interpreting</div> <div>[18] fetal monitor strips?</div> <div>[19] A: Correct.</div> <div>[20] Q: Have you testified for Ms. Garis in any other</div> <div>[21] cases?</div> <div>[22] A: On one or two. I don't remember the specifics</div> <div>[23] of, the names or the titles, but I have.</div> <div>[24] Q: What about other members of her firm?</div> <div>[25] A: I don't remember names of members of her firm but</div>	<div>[1] irreversible neuronal injury and death of brain</div> <div>[2] cells, not necessarily the child.</div> <div>[3] Q: I understand. Do you agree that a neonatologist</div> <div>[4] is the physician who would treat a newborn infant</div> <div>[5] up to the first 48 hours of life?</div> <div>[6] A: Yes.</div> <div>[7] Q: And then a neurologist would typically care for</div> <div>[8] the child thereafter?</div> <div>[9] A: Well, it's not been my practice to do neonatal</div> <div>[10] medicine but I'm always available at the time of</div> <div>[11] birth to advise on issues that are neurologic. I</div> <div>[12] guess I'm trying to answer your question based on</div> <div>[13] my experience.</div> <div>[14] I do not have critical care responsibilities</div> <div>[15] for the newborn but I certainly may have critical</div> <div>[16] care neurologic opinions that are before 48 hours</div> <div>[17] of age.</div> <div>[18] Q: Okay. But typically in a hospital setting, such</div> <div>[19] as University, a neonatologist would care for an</div> <div>[20] infant in the first 48 hours of life?</div> <div>[21] A: If "care for" you mean general care, yes. If</div> <div>[22] it's related to neurological systems, I'm usually</div> <div>[23] asked an opinion as to what I would do and</div> <div>[24] generally that opinion is considered carefully.</div> <div>[25] Q: Okay. So a neonatologist may consult with you on</div>	
	Page 8	Page 10
<div>[1] it's possible.</div> <div>[2] Q: Did you testify previously for the law firm of</div> <div>[3] Jacobson Maynard when it was in existence?</div> <div>[4] A: Yes.</div> <div>[5] Q: Were you on the board of review for Jacobson</div> <div>[6] Maynard or PIE?</div> <div>[7] A: No.</div> <div>[8] Q: I take it you have authored articles in your</div> <div>[9] various areas of specialty?</div> <div>[10] A: Yes.</div> <div>[11] Q: And they would be listed on your CV?</div> <div>[12] A: Yes, they are.</div> <div>[13] Q: Some of those articles relate directly to some of</div> <div>[14] the issues in this case, am I correct?</div> <div>[15] A: Yes. Not verbatim in terms of the specifics but</div> <div>[16] the general concern whether a child is</div> <div>[17] dysfunctional versus damaged at the time of birth</div> <div>[18] which gets into the area of opinion for this</div> <div>[19] particular child.</div> <div>[20] Q: Let's talk about those two terms you just used,</div> <div>[21] dysfunctional versus damaged. How do you</div> <div>[22] distinguish the two?</div> <div>[23] A: Dysfunctional means the brain is not irreversibly</div> <div>[24] damaged but temporarily not acting right and</div> <div>[25] damage is self-explanatory. There are</div>	<div>[1] neurological issues?</div> <div>[2] A: Yes.</div> <div>[3] Q: In your area of practice do you have a special</div> <div>[4] interest in seizures?</div> <div>[5] A: Yes.</div> <div>[6] Q: Is that a subspecialty of yours?</div> <div>[7] A: No. I mean, I'm director of the epilepsy center</div> <div>[8] at Rainbow but I'm also interested in newborn</div> <div>[9] seizures which is usually not epilepsy.</div> <div>[10] Q: If newborn seizures are not epilepsy, what are</div> <div>[11] they?</div> <div>[12] A: They're usually a sign of dysfunction that may or</div> <div>[13] may not also represent damage.</div> <div>[14] Q: Sometimes dysfunction in the form of seizures can</div> <div>[15] represent damage?</div> <div>[16] A: It can.</div> <div>[17] Q: Do you agree that cerebral palsy can be caused by</div> <div>[18] events that occurred during the labor and</div> <div>[19] delivery process?</div> <div>[20] A: In the minority of situations, yes.</div> <div>[21] Q: Would you agree with 20 percent of cases of</div> <div>[22] cerebral palsy are caused by labor and delivery</div> <div>[23] events?</div> <div>[24] A: I have seen articles that quoted that percentage.</div> <div>[25] I don't necessarily agree it's that high but it's</div>	

Page 11

[1] in the ballpark.
[2] Q: You have reviewed here a number of depositions —
[3] A: Yes.
[4] Q: — and records. Do you have any way to determine
[5] when you received the records that are in your
[6] file at this point?
[7] A: I certainly looked at the cover sheets from
[8] Ms. Harris and her law firm. And I believe
[9] January of '99 was when I was initially
[10] contacted.
[11] Q: Do you know what you received at that time?
[12] A: Certainly the full volumes that are listed in the
[13] indices in front of the volumes.
[14] Q: Do you believe you have received a complete chart
[15] of the baby's admission at St. Luke's Hospital?
[16] A: I assume I did, yes.
[17] Q: Do you know for certain that you did?
[18] A: No, I don't know. That was one of the items
[19] listed in the index.
[20] Q: Do you know if you ever reviewed the baby's
[21] hospital chart for St. Luke's Hospital apart from
[22] the labor and delivery records?
[23] A: Yes.
[24] Q: Do you know if those records were supplied to you
[25] very recently?

Page 12

[1] MS. HARRIS: Claudia, let me — I
[2] know where you are going. We didn't have
[3] those records and the reason I didn't have
[4] them when Leslie sent the records, she sent
[5] out our originals. So I didn't ever see
[6] them which is why I was concerned.
[7] MS. EKLUND: All right.
[8] Q: That takes care of that. Doctor, you wrote a
[9] report, two reports in this case. The first one
[10] is dated March 2nd, 1999?
[11] A: That's correct.
[12] Q: Is that the report you have in front of you?
[13] A: Yes, it is.
[14] Q: Is this the first draft of the report you
[15] prepared?
[16] A: My general practice is obviously to have a final
[17] draft after I've reviewed spelling errors and
[18] other but I don't have a copy of that.
[19] Q: Were there any changes, additions, or corrections
[20] of any kind made to the report based upon any
[21] conversations with counsel?
[22] A: No. There may have been corrections only to the
[23] way I had written the prose in the report.
[24] Q: Doctor, have you spent some time investigating
[25] the timing of brain injury in newborn infants?

Page 13

[1] A: I also do as part of my consultations.
[2] Q: And that's probably one of the most pressing
[3] questions that a parent might have about their
[4] child at birth?
[5] A: Yes.
[6] Q: And in terms of timing, it can be a prenatal
[7] event which would have occurred sometime during
[8] the prenatal time period?
[9] A: Correct.
[10] Q: Then we have a period we would call, would it be
[11] perinatal, referring to the labor and delivery
[12] process?
[13] A: That would probably not be the right term.
[14] Perinatal means 28 weeks gestation to one month
[15] of life. You're referring to antepartum which is
[16] one month prenatal minus the end part of the
[17] period. The integral part is active labor until
[18] delivery. And the neonatal period is up to one
[19] month of life in a full-term infant.
[20] Q: Okay. In examining a newborn infant to determine
[21] the timing of the brain injury, you look for
[22] certain characteristics; is that fair?
[23] A: That's correct.
[24] Q: One of the things you look for is decreased
[25] muscle tone in the infant?

Page 14

[1] A: Yes.
[2] Q: That would indicate a labor and delivery timing
[3] versus an antepartum timing, would you agree?
[4] A: It may.
[5] Q: You look for a decreased level of arousal which
[6] would indicate a labor and delivery timing of
[7] event as opposed to antepartum?
[8] A: Once again, it may. One may see features that
[9] are helpful to point to the antepartum period. I
[10] can certainly go into that in more detail but
[11] there are children that certainly have the
[12] dysfunction of an intrapartum stress and reflect
[13] that dysfunction but still have antepartum
[14] injury.
[15] Q: Okay. And when we talk about decreased levels of
[16] arousal, we are talking about respiration, lack
[17] of respiratory effort?
[18] A: As it reflects altered states of arousal, yes.
[19] Q: You look for the occurrence or nonoccurrence of
[20] seizures?
[21] A: Yes.
[22] Q: And would you agree that seizures which occur in
[23] the first 24 hours of life are more likely
[24] related to antepartum events?
[25] A: No, I don't think that is borne out based on my

Page 15

[1] experience or the literature. It all depends on
[2] the child and the particular presentation. This,
[3] of course, with the proviso we do indeed have
[4] seizures and the way I confirm seizures have
[5] occurred is with the use of EEG because there are
[6] many abnormal movements with are not epileptic
[7] but are clinical importance.

[8] Q: Would you agree that seizures which occur after
[9] 48 hours of life are more likely related to labor
[10] and delivery events than antepartum events?

[11] A: No. I think the timing after 48 hours may indeed
[12] suggest other issues that are neonatal or
[13] postnatal and also genetic or metabolic. I think
[14] the timing issue is important to keep as a
[15] generality but it's lost its usefulness on a
[16] general basis.

[17] Q: So there is no timing that you would necessarily
[18] look for for the onset of seizures in the newborn
[19] to time the event of the brain injury?

[20] A: As a general statement those children that have
[21] distress severe enough to contribute to asphyxia
[22] will probably have seizures during the first 48
[23] hours, that's a fair generalization.

[24] Q: Back to the criteria you look for in determining
[25] the timing of the brain injury, do you also look

Page 16

[1] for stress to other organ systems in the newborn?

[2] A: I do.

[3] Q: And that would indicate an onset of brain injury
[4] in the labor and delivery period versus the
[5] antepartum period?

[6] A: As long as you understand that you can have
[7] stress to other organs that are part of the same
[8] dysfunctional syndrome independent of damage to
[9] the brain.

[10] Q: Okay.

[11] A: And then, of course, the degree in which the
[12] organ is dysfunctional which makes myself, as
[13] well as a neonatologist, look to other reasons
[14] other than the antepartum period.

[15] Q: Are you familiar with the ACOG technical bulletin
[16] defining the criteria for determining the timing
[17] of brain injury?

[18] A: I am.

[19] Q: Okay. And do you abide by that guideline?

[20] A: As a general guideline. That's its only purpose.

[21] Q: And you also in determining the timing of a brain
[22] injury look to the Apgar scoring for the newborn?

[23] A: Yes.

[24] Q: Do you agree that Anthony Caimi when he was born
[25] was asphyxiated?

Page 17

[1] A: Yes.

[2] Q: Do you agree that he was acidotic?

[3] A: Yes.

[4] Q: Severely acidotic?

[5] A: By which blood gas?

[6] Q: Newborn arterial.

[7] A: There were two blood gasses listed.

[8] Q: His first blood gas, I'm sorry.

[9] A: Yes.

[10] Q: With a pH of 6.9?

[1] A: Yes.

[2] Q: That represents severe acidosis?

[3] A: That would be significant acidosis of less than
[4] 7.0.

[5] Q: Do you agree a ruptured uterus is a potentially
[6] life-threatening occurrence to the mother and
[7] child?

[8] A: I certainly can only state as a neurologist for
[9] children. For the mother it might be, but I'm
[10] not an obstetrician. I would assume so.

[11] For the child I have been in the situation
[12] many times of uterine rupture being associated
[13] with normal outcome and those who have abnormal
[14] outcome. It all depends on the details of the
[15] particular child's stress in the context of a

Page 18

[1] uterine rupture.

[2] Q: Do you believe that Anthony Caimi suffered any
[3] stress as a result of uterine rupture?

[4] A: As we differentiate stress and brain dysfunction.
[5] I think it was how he clinically appeared in the
[6] first days of life but that is independent of
[7] whether he had damage to his brain.

[8] Q: Anthony required intubation and ventilation in
[9] the delivery room?

[10] A: Yes, he did.

[11] Q: And he was clinically noted to have seizures on
[12] the second day of life?

[13] A: That's correct.

[14] Q: And he was treated accordingly?

[15] A: He was treated based on the clinical assumption
[16] of seizures, that's correct.

[17] Q: Do you agree that in the neonate seizures are
[18] usually diagnosed based on the clinical picture?

[19] A: If we are talking about conventional wisdom,
[20] whether it's correct or not, the answer is yes.

[21] Are children treated for movements that are
[22] abnormal that are not seizures, I believe they
[23] are.

[24] Q: Did you read the description of the seizure like
[25] activity which was described in the nurses and

Page 19

[1] physician notes for Anthony Caimi?

[2] **A:** There were a number in question, high pitch cry,

[3] staring, I believe posturing was noted, eye

[4] rolling, clonic movements were noted.

[5] **Q:** On a clinical basis would you make a diagnosis of

[6] seizures based upon that picture?

[7] **A:** No, I would not.

[8] **Q:** Am I understanding your testimony you only make a

[9] diagnosis when you have a correlation within an

[10] EEG?

[11] **A:** Yes. If given the option, that would be my

[12] preference.

[13] **Q:** Is it correct to state that an EEG will only show

[14] seizure activity if, in fact, the individual is

[15] having a seizure at the time of the EEG?

[16] **A:** No, that is not correct. One can actually have

[17] abnormal movements that occur even during the EEG

[18] independent of electrical seizures without any

[19] clinical correlate. So the movement in question

[20] actually brought my attention to getting an EEG

[21] but actually another electrical event independent

[22] of movement was my diagnosis of seizures, if that

[23] makes sense.

[24] **Q:** Did you just attend a seminar, with among others

[25] Dr. Rothner, where a discussion was had about how

Page 20

[1] neonates rarely show seizure activity on EEG?

[2] **A:** What conference are you referring to?

[3] **Q:** I believe it was in — just a few months ago

[4] actually.

[5] **A:** Which conference are you referring to?

[6] **Q:** I don't know. Did you attend such a conference

[7] where that was discussed?

[8] **A:** Where seizures — say that again.

[9] **Q:** Where the discussion was in the neonate you

[10] rarely get EEG evidence of seizure activity and

[11] the diagnosis is made on the clinical basis?

[12] **A:** That's not true. I don't know what conference

[13] you're referring to. I know presently at this

[14] time of evidence to suggest to the contrary.

[15] **Q:** Did you attend a seminar where Dr. Rothner was in

[16] attendance?

[17] **A:** No. We went to a child neurology meeting. I

[18] have no idea what context he is referring to a

[19] statement made by someone other than myself as to

[20] what you're referring to.

[21] **Q:** You do know Dr. Rothner?

[22] **A:** Yes.

[23] **Q:** Now, the EEG, while not showing any seizures,

[24] was not normal either, was it?

[25] **A:** It showed — it showed abnormality, yes. The

Page 21

[1] degree of which I have not seen for myself. But

[2] based on the treaters was not severe.

[3] **Q:** Okay. You have haven't seen the original EEG

[4] strips?

[5] **A:** I have requested them but I have not reviewed

[6] them.

[7] **Q:** And, in fact, one of the neurologists who

[8] examined this baby at that time was

[9] Dr. Wiznitzer?

[10] **A:** That's correct.

[11] **Q:** And he's in your department?

[12] **A:** That's correct.

[13] **Q:** You respect Dr. Wiznitzer's judgement and

[14] credibility?

[15] **A:** Generally.

[16] **Q:** He was seen by Dr. Jacobs?

[17] **A:** Irwin Jacobs. It's Jacobs, yes.

[18] **Q:** With an S. In your report of March 2, 1999 you

[19] say Anthony was rapidly weaned off the

[20] ventilator?

[21] **A:** Yes.

[22] **Q:** It was actually 12 hours, wasn't it?

[23] **A:** That's rapidly. That's very rapidly. I think

[24] that's one of the points I can certainly

[25] elaborate on in terms of the issue of stress

Page 22

[1] versus damage.

[2] **Q:** He also — you also state in your letter he had

[3] good return of muscle tone?

[4] **A:** That's correct.

[5] **Q:** Is it your belief the record indicates good

[6] muscle tone throughout his hospitalization at

[7] St. Luke's?

[8] **A:** No. I think there are notations of probably

[9] abnormal, more than normal but paradoxically

[10] increased rather than decreased muscle tone.

[11] **Q:** Increased muscle tone would indicate injury that

[12] occurred before labor and delivery; is that

[13] correct?

[14] **A:** That's one possibility. The other possibility

[15] could be a child who has a mild asphyxia stress

[16] and as a result of the mild dysfunction is

[17] reflected in increased tone.

[18] **Q:** And what would decreased tone indicate, if

[19] anything?

[20] **A:** It could either indicate an intrapartum stress

[21] with or without damage or still have an overlying

[22] antepartum problem.

[23] **Q:** You write further that on the child's neurology

[24] exam it showed irritability with no dysmorphic

[25] features?

<p style="text-align: right;">Page 23</p> <p>[1] A: That's what I stated yes.</p> <p>[2] Q: What do you mean by dysmorphic features?</p> <p>[3] A: He didn't have physical exam features to suggest</p> <p>[4] a definable genetic syndrome.</p> <p>[5] Q: And you further write he was described to have</p> <p>[6] mild to moderate hypoxic ischemic encephalopathy?</p> <p>[7] A: Yes.</p> <p>[8] Q: Do you agree with he did have HIE?</p> <p>[9] A: If we understand my definition of HIE, which is a</p> <p>[10] dysfunction or clinical syndrome that doesn't</p> <p>[11] necessarily have to have damage associated with</p> <p>[12] it, yes.</p> <p>[13] Q: But it can have damage associated with it?</p> <p>[14] A: It can. On occasion it would be on the specifics</p> <p>[15] whether there is enough evidence of that</p> <p>[16] particular child to support it.</p> <p>[17] Q: What kind of things would you be looking for to</p> <p>[18] support damage to go along with the dysfunction</p> <p>[19] that HE caused?</p> <p>[20] A: First of all, one would want to see over time and</p> <p>[21] I would say for the intrapartum asphyxia stress</p> <p>[22] severe enough to be associated with damage, low</p> <p>[23] tone, hypotonic child for many days.</p> <p>[24] Q: How many days?</p> <p>[25] A: I would say five to seven.</p>	<p style="text-align: right;">Page 25</p> <p>[1] dysfunction, and then hindsight of follow up with</p> <p>[2] what this child's deficits are, I have major</p> <p>[3] concerns whether the stress of the intrapartum</p> <p>[4] events have anything to do with this child's</p> <p>[5] neurologic problems at present time.</p> <p>[6] Q: And in your report you wrote he was concluded to</p> <p>[7] have mild to moderate hypoxic ischemic</p> <p>[8] encephalopathy without evidence of multiorgan</p> <p>[9] system dysfunction?</p> <p>[10] A: Correct.</p> <p>[11] Q: That is not a correct statement, though, is it,</p> <p>[12] Doctor?</p> <p>[13] A: Well, perhaps I should say significant or severe.</p> <p>[14] He certainly had renal dysfunction with respect</p> <p>[15] to the blood in the urine. He had some mild</p> <p>[16] respiratory changes that resolved within 12 hours</p> <p>[17] but I think it would be more accurate reflecting</p> <p>[18] my opinion if it included the word severe</p> <p>[19] multiorgan system dysfunction.</p> <p>[20] Q: Did you have some discussion with counsel after</p> <p>[21] this report was issued, that, in fact, the child</p> <p>[22] did have multiorgan system dysfunction?</p> <p>[23] A: I don't recall specifically. I did acknowledge</p> <p>[24] in my discussions that there was renal</p> <p>[25] dysfunction but I always couched it in the point</p>
<p style="text-align: right;">Page 24</p> <p>[1] Q: Okay.</p> <p>[2] A: Followed by slow return of tone over the next</p> <p>[3] week. In the context of other organs that showed</p> <p>[4] significant dysfunction, such as the lung to</p> <p>[5] require long-term ventilatory support for days</p> <p>[6] and significant multiorgan system dysfunction</p> <p>[7] that was not only present but severe to consider</p> <p>[8] the possibility that the brain also was severely</p> <p>[9] affected.</p> <p>[10] The occurrence of EEG confirmed seizures in</p> <p>[11] the course of acute convalescent period of a</p> <p>[12] couple days, particularly the first 48 hours, and</p> <p>[13] significant metabolic acidosis as we referred to</p> <p>[14] but that reflected a persistent acidotic state</p> <p>[15] that was not quickly reversible as it was for</p> <p>[16] Anthony, meaning the bicarbonate given to the</p> <p>[17] child caused a rapid improvement in his degree of</p> <p>[18] acidosis. When describing a child with this</p> <p>[19] severe HIE, it's in that context that I'd be most</p> <p>[20] worried about commensurate damage that may or may</p> <p>[21] not be there.</p> <p>[22] In converse when I see a child that's quickly</p> <p>[23] weaned off the ventilator, that has a rapid</p> <p>[24] restitution of the acidosis, with no EEG</p> <p>[25] confirmed seizures, and minimal non brain organ</p>	<p style="text-align: right;">Page 26</p> <p>[1] of view that is it severe enough to consider the</p> <p>[2] possibility that with a profound HIE syndrome</p> <p>[3] there could be commensurate or coincident brain</p> <p>[4] damage which I don't think happened for Anthony.</p> <p>[5] Q: That's not what the report said. You said he</p> <p>[6] didn't have it, correct?</p> <p>[7] A: Correct. The way the report reads, that's</p> <p>[8] correct.</p> <p>[9] Q: And you know you have done this long enough your</p> <p>[10] report is to give me some information about what</p> <p>[11] you think and why you think it, correct?</p> <p>[12] A: Sure. The records, I think the medical records</p> <p>[13] speak for themselves.</p> <p>[14] Q: But your opinions don't necessarily. This child</p> <p>[15] also had protein, increased protein in its urine?</p> <p>[16] A: Yes.</p> <p>[17] Q: Had blood in its urine?</p> <p>[18] A: Yes.</p> <p>[19] Q: Had elevated liver testing?</p> <p>[20] A: Minimally.</p> <p>[21] Q: What about the nucleated red blood cells, is that</p> <p>[22] usually a marker for you of some kind?</p> <p>[23] A: It can be. They were not elevated in this</p> <p>[24] child's case.</p> <p>[25] Q: That would tend to indicate it was not a chronic</p>

Page 27

[1] event that caused his physical function and/or
[2] damage, wouldn't it?
[3] **A:** No. It means that a stress to the bone marrow
[4] that may have occurred more than 24 hours was not
[5] detected by the NRBC at St. Luke's which was
[6] three. It says nothing about Anthony's ultimate
[7] reason for his neurologic problems.
[8] **Q:** Which could still be antepartum. He had
[9] increased CPK. Is that consistent with labor and
[10] delivery injury?
[11] **A:** Probably muscle injury given the uterine rupture
[12] and force, forced pressure down the birth canal,
[13] I could see that as a reason for that independent
[14] of liver injury or not.
[15] **Q:** The ultrasound on 8-2494 showed no
[16] abnormalities?
[17] **A:** That's correct. I haven't reviewed it but that's
[18] what the report states.
[19] **Q:** And the absence of abnormality on that ultrasound
[20] would dictate against an antepartum explanation
[21] for this child's injury, would it not?
[22] **A:** In addition to intrapartum, intrapartum injury.
[23] It's not helpful either way. It's not helpful
[24] for describing intrapartum evidence or Sack of
[25] evidence in a cerebral edema.

Page 28

[1] **Q:** When would you expect to see evidence of cerebral
[2] edema?
[3] **A:** Within 24 hours on the ultrasound and peaks
[4] within 48 to 72.
[5] **Q:** Within 24?
[6] **A:** You might see.
[7] **Q:** Not usually?
[8] **A:** Oh, yes.
[9] **Q:** Have you testified —
[10] **A:** I have seen it. I guess the question is whether
[11] I have seen it or not and I have.
[12] **Q:** I'm asking you generally when do you expect to
[13] see cerebral edema?
[14] **A:** Within 24 hours.
[15] **Q:** Greater than 24 hours?
[16] **A:** I've always stated I can see it by 24 hours, it
[17] will peak at 72.
[18] **Q:** You conclude — well, on the MRI from The
[19] Cleveland Clinic you indicate there's a
[20] questionable area of cortical abnormality?
[21] **A:** I was just paraphrasing what the radiologist from
[22] The Cleveland Clinic had noted.
[23] **Q:** You looked at the MRI film yourself?
[24] **A:** Yes.
[25] **Q:** Do you see anything of note on that MRI?

Page 29

[1] **A:** I don't, no.
[2] **Q:** Absence of anything on the MRI at four years of
[3] age would indicate there's not a genetic cause of
[4] this child's injury?
[5] **A:** No. Down the resolution of the studies one could
[6] see no evidence of a genetic problem. There are
[7] many genetic problems that are present in the
[8] child with no normal MRI.
[9] **Q:** Are you aware of any chromosomal abnormality in
[10] this child?
[11] **A:** Not that I'm aware of. Chromosome is a rather
[12] large structure genetically. There are millions
[13] of genes even with a chromosomal study that
[14] cannot be tested.
[15] **Q:** Do you agree that the prenatal course for mother
[16] and child was perfectly normal?
[17] **A:** As reflected in the records there were no
[18] problems listed.
[19] **Q:** And with the onset of labor up until, let's just
[20] say about the time pitocin was introduced, it was
[1] a normal laboring process?
[2] **A:** Based on my review of the records, that seems to
[3] be what was reflected.
[4] **Q:** Fetal heart tracings indicated a normal reactive
[5] infant?

Page 30

[1] **A:** Once again, based on my review of the records I
[2] would have assumed that.
[3] **Q:** Have you reviewed the fetal monitor strips after
[4] pitocin is introduced?
[5] **A:** I'm aware they are part of the records. They
[6] were given to me. I haven't interpreted them.
[7] **Q:** Have you read the deposition testimony of the OBs
[8] involved in this case?
[9] **A:** Yes.
[10] **Q:** Both of whom have testified that the strips show
[1] late decelerations occurring at approximately
[2] 1750?
[3] **A:** Yes.
[4] **Q:** They also indicate that there was a loss of
[5] beat-to-beat variability?
[6] **A:** Yes.
[7] **Q:** And bradycardia?
[8] **A:** Yes.
[9] **Q:** Without getting into the specific numbers, which
[10] those have been testified to, correct, do you
[1] agree that bradycardia, coupled with severe fetal
[2] acidosis with intensive delivery room
[3] resuscitation provides objective evidence for the
[4] indication of severe intrapartum insult?
[5] **A:** By insult, what do you mean?

<p style="text-align: right;">Page 31</p> <p>[1] Q: Injury.</p> <p>[2] A: No.</p> <p>[3] Q: Do you believe that those findings can indicate</p> <p>[4] an insult of sufficient duration to compromise a</p> <p>[5] cerebral perfusion and oxygenation?</p> <p>[6] A: No.</p> <p>[7] Q: When Anthony Caimi was born with a pH of 6.9 and</p> <p>[8] not breathing, do you agree there was some</p> <p>[9] interruption in the exchange of gases and oxygen</p> <p>[10] to the fetus?</p> <p>[11] A: That's an assumption. That seems to be a good</p> <p>[12] working assumption.</p> <p>[13] Q: Okay. And do you agree that the deprivation of</p> <p>[14] oxygen in a fetus can result in permanent brain</p> <p>[15] injury?</p> <p>[16] A: It can under certain situations but not for this</p> <p>[17] particular child.</p> <p>[18] Q: Can you point to anything in the prenatal course</p> <p>[19] which would explain this child's neurological</p> <p>[20] condition today?</p> <p>[21] A: No.</p> <p>[22] Q: Is there anything in the medical background of</p> <p>[23] the mother or the father that you can point to to</p> <p>[24] explain the child's present neurological</p> <p>[25] condition?</p>	<p style="text-align: right;">Page 33</p> <p>[1] evidence prenatally, as you asked me to attest</p> <p>[2] to, and most cases children like this have no</p> <p>[3] demonstrable prenatal maternal history to support</p> <p>[4] why they are having language problems, memory</p> <p>[5] problems, et cetera.</p> <p>[6] Q: Do you agree that Anthony Caimi has impairment in</p> <p>[7] motor function and language and —</p> <p>[8] A: I have already stated in general he does. But I</p> <p>[9] will emphasize the motor findings which are</p> <p>[10] extremely important when judging whether an</p> <p>[11] intrapartum event had something to do with a</p> <p>[12] full-term infant having this sort of deficit.</p> <p>[13] He has very minimal findings. He has fine</p> <p>[14] motor dexterity issues. He has balance and</p> <p>[15] coordination issues which are evasive and</p> <p>[16] important but not demonstrable of the event in</p> <p>[17] question that I may be asked to opine about.</p> <p>[18] Q: If I understand these events, every person, every</p> <p>[19] fetus has a certain amount of reserve which</p> <p>[20] enables them to get through labor and delivery in</p> <p>[21] good shape; is that fair?</p> <p>[22] A: In general that is fair as long as I have a</p> <p>[23] chance to elaborate.</p> <p>[24] Q: Okay. Just tell me when I'm off track.</p> <p>[25] MS. HARRIS: You're not going to</p>
<p style="text-align: right;">Page 32</p> <p>[1] A: Not that's recorded in the records available to</p> <p>[2] me or they have admitted to.</p> <p>[3] Q: None that you're aware of then?</p> <p>[4] A: That's correct.</p> <p>[5] Q: What is your basis for saying that Anthony</p> <p>[6] Caimi's neurologic condition is explained by</p> <p>[7] events which preceded labor and delivery?</p> <p>[8] A: In general the way in which he responded to the</p> <p>[9] stress that he had and the neurologic syndrome we</p> <p>[10] have talked about and the rate of recovery that</p> <p>[11] he had, together with the hindsight that I have</p> <p>[12] on his neurologic findings at present, which I</p> <p>[13] believe to be subtle with respect to motor</p> <p>[14] impairment, which would be a hallmark of kids</p> <p>[15] with cerebral palsy from potential intrapartum</p> <p>[16] events and the bihemispheric or left and right</p> <p>[17] hemisphere dysfunction he appears to have on</p> <p>[18] neuropsychological testing in memory, language,</p> <p>[19] in reasoning. If indeed we are to believe he had</p> <p>[20] a diffuse or multifocal injury or damage, the</p> <p>[21] events in question, to my opinion, in the</p> <p>[22] neonatal period do not explain the multifocal or</p> <p>[23] diffusion process.</p> <p>[24] It may not be an injury acquired process. It</p> <p>[25] may be a developmental one since there is no</p>	<p style="text-align: right;">Page 34</p> <p>[1] let him elaborate? That's what he was</p> <p>[2] asking.</p> <p>[3] Q: Do you want to elaborate now?</p> <p>[4] A: It may help in your subsequent questions. When</p> <p>[5] you say reserve, the question is still regarding</p> <p>[6] dysfunction versus damage. A child who has</p> <p>[7] decreased reserve, and I don't think we have ways</p> <p>[8] in which to measure that in medicine, a child may</p> <p>[9] then reflect with decreased reserve more</p> <p>[10] dysfunction at the time of stress which I believe</p> <p>[11] Anthony had an incident of damage that occurred</p> <p>[12] during the time the stress occurred.</p> <p>[13] What I don't want to be an assumption is that</p> <p>[14] the decreased reserve that a child like Anthony</p> <p>[15] has then causes either further damage, which I</p> <p>[16] don't believe happened from the events for</p> <p>[17] Anthony during the intrapartum period, or all the</p> <p>[18] damage.</p> <p>[19] Q: Do you think that the labor and delivery events</p> <p>[20] contributed in any respect to Anthony's present</p> <p>[21] neurological condition?</p> <p>[22] A: No, I do not.</p> <p>[23] Q: They have absolutely nothing whatsoever to do</p> <p>[24] with his present state?</p> <p>[25] A: That's correct.</p>

Page 35

[1] **Q:** And you have no idea what may have caused it; is
[2] that fair?

[3] **A:** No. I tried to explain to you the distribution
[4] of his problems which are multifocal or diffuse
[5] as documented at an older age suggests a prenatal
[6] problem that may have been developmental from
[7] hindsight. At the time I would obviously not
[8] know that. The only way I can assess that is by
[9] my knowledge and experience of understanding what
[10] causes the constellation of his problems now in
[11] relationship to the events in question at labor
[12] and delivery.

[13] **Q:** Have you read Dr. Rothner's deposition?

[14] **A:** Yes.

[15] **Q:** And he has a different opinion as to the cause of
[16] Anthony's cerebral palsy, doesn't he?

[17] **A:** You have to refer me specifically to the line of
[18] the way he responded but in general we have a
[19] difference of opinion.

[20] **Q:** Do you respect Dr. Rothner?

[21] **A:** In general he is a competent neurologist.

[22] **Q:** Do you refer patients to him ever?

[23] **A:** We refer patients to each other.

[24] **Q:** And you know that Dr. Rothner has been Anthony's
[25] treating neurologist for quite some time?

Page 36

[1] **A:** I have seen his notes for follow up on multiple
[2] occasions, yes.

[3] **Q:** You saw the medical records and examined this
[4] child on one occasion?

[5] **A:** Correct.

[6] **Q:** You saw him for about 15 minutes in examination?

[7] **A:** Probably longer than that but yes.

[8] **Q:** By the way, you don't have your notes from your
[9] physical examination of this child with you, do
[10] you?

[11] **A:** No, I don't.

[12] **Q:** Where would those be?

[13] **A:** We have an office chart that I scribble notes
[14] prior to dictation.

[15] **Q:** Would that — would your notes still be available
[16] in the file?

[17] **A:** Yes.

[18] **Q:** I would like you to provide those to Ms. Harris
[19] so I have those.

[20] **A:** Sure.

[21] **Q:** In your March '99 report where you state there is
[22] a questionable abnormality on the MRI scan that
[23] may suggest a prenatal malformation, do you stand
[24] by that statement?

[25] **A:** No. I just testified I reviewed the scan and I

Page 37

[1] also stated that it was questionable based on the
[2] neuroradiologist that read it.

[3] **Q:** Can you point me to any studies or report that
[4] indicate the timing of brain injury is coupled
[5] with the severity of the multiorgan involvement?

[6] **A:** There are studies that I don't have. I have not
[7] reviewed the literature for this deposition so
[8] there may indeed be studies I'm not mentioning
[9] but there are a number of studies that look at
[10] statistically a group of variables that occur
[11] during the intrapartum and neonatal period to
[12] assess whether the severity of the child's
[13] neurologic syndrome or stress reflects
[14] intrapartum or antepartum problems. There's one
[15] from Australia within the last year or two years
[16] that indicates in children who have a newborn
[17] encephalopathy or brain disorder there are
[18] antepartum reasons that explain the child's brain
[19] disorder other than intrapartum. I don't recall
[20] the specifics. That is one recent one I'm, in
[21] general, aware of.

[22] **Q:** Do you know who the author of that was?

[23] **A:** No.

[24] **Q:** Is it your testimony, Dr. Scher, that the labor
[25] and delivery events, the fetal distress which was

Page 38

[1] evidenced on the strips, the ruptured uterus, the
[2] condition of the infant when born is absolutely
[3] no consequence to the child's present neurologic
[4] condition?

[5] **A:** Correct.

[6] **MS. HARRIS:** I am going to object
[7] that he has not agreed that those strips
[8] were evidence of fetal distress.

[9] **Q:** You would not disagree with an OB's
[10] interpretation of fetal monitor strips, would
[11] you, Doctor?

[12] **A:** In terms of distress being of the heart and not
[13] of the brain and being the fact that the stress
[14] may alter the OB's management independent of
[15] damage to the brain, sure. I'm not here to
[16] interpret the strips. I'm also aware as a child
[17] neurologist, quote, fetal distress, unquote, from
[18] FHT or fetal heart rate tracing abnormalities
[19] have very poor correlation with neurological
[20] damage.

[21] **Q:** That is more to neurological outcome?

[22] **A:** I would include damage — if you look at ominous
[23] fetal heart rate tracings, as a general there is
[24] no correlation.

[25] **Q:** This baby was acidotic at birth?

Page 39

[1] A: Again, as I stated before the initial blood gas
[2] showed a pH less than 7. But in my experience,
[3] as well as what is published, less than half of
[4] the children have the full blown post asphyxial
[5] brain disorder which makes one concerned when
[6] they have a pH less than 7.
[7] Q: If less than half have it, the rest won't?
[8] A: What I find more fascinating why do more than
[9] half of the babies that have pH less than 7 do
[10] not go on to severe, severe asphyxial brain
[11] disorder. That underlines my opinion here today.
[12] Anthony Caimi was symptomatic during stress
[13] because of preexisting problems to his brain and
[14] the untoward problems that occurred from the
[15] uterine rupture from a child whose main brain was
[16] not put together right made him not negotiate the
[17] birth process well and became symptomatic.
[18] Q: There is no evidence of any problem with this
[19] infant prior to the introduction of pitocin?
[20] A: To the limits of our fetal monitoring, I agree
[21] 100 percent. I wish both of us could sit here
[22] ten years from now and applaud ourselves on newer
[23] techniques that can detect brain damage before
[24] labor and delivery. Right now we don't have very
[25] good tools.

Page 40

[1] Q: Do you agree a neonatologist would be a better
[2] judge of the effects of the labor and delivery

[5] Q: Do you agree that a neonatologist has more
[6] training and experience in treating an infant in
[7] utero and within the first 48 hours of life?

[10] specialist for the newborn. I'm not here opining
[11] about the ABCs of dealing with circulation and
[12] breathing and resuscitation. But I am here as a
[13] neurologist that deals with newborns on a regular
[14] basis where a neonatologist may turn to me about
[15] the system I am experienced in.
[16] Q: How about prior to birth in the last few months
[17] of gestation, would you defer to the expertise of
[18] a neonatologist?
[19] A: Probably in that case a perinatologist but there
[20] are situations I have been asked, both in
[21] Pittsburgh and Cleveland, to give an opinion as a
[22] fetal neurologist when it deals with information
[23] or data I may have some contributions to make
[24] before labor and delivery such as sonogram
[25] abnormalities —

Page 41

[1] Q: Okay.
[2] A: — as an example.
[3] Q: Okay. Even though you may be called in to
[4] consult on some basis, would you agree a
[5] perinatologist would have more expertise in the
[6] physiology of a fetus prior to birth than
[7] yourself!
[8] A: I think in the management of the pregnancy of the

[10] yes. But there are situations that perhaps their
[11] training does not extend to the details of the
[12] neurologic diagnosis of the unborn that I may
[13] offer some insight to that that helps.
[14] Q: Are you ever called into the labor and delivery
[15] room?
[16] A: No.
[17] Q: Are you ever asked to review a fetal monitor
[18] strip in a laboring mother?
[19] A: No.
[20] Q: Does the duration of the fetal asphyxia have any
[21] relationship to the long-term prognosis of the
[22] child?
[23] A: In general it does. The problem I have in
[24] answering a question in general each child is
[25] really unique to themselves based on what reserve

Page 42

[1] they have, which is a general statement you
[2] mentioned before, and the particular situation

[5] the asphyxial event, the poorer the outcome?
[6] A: In general, that is beginning truism to use as a
[7] working hypothesis. I have been proven wrong

[10] normal. So it's a general statement I will agree
[11] to.
[12] Q: And children with long periods of asphyxia who
[13] have a better outcome than you would expect, you
[14] would attribute that to the reserve of that
[15] individual?
[16] A: Once again, we are not defining what you mean by
[17] long. What is long? Is long ten minutes or 10
[18] hours? I guess you need to be a little more
[19] specific.
[20] Q: Can you define long?
[21] A: No because it depends on the child.
[22] Experimentally one tries to use animal studies to
[23] define what is long in an animal laboratory
[24] setting. It's difficult to take that into the
[25] human situation.

Page 43

[1] Q: You study it retrospectively?

[2] A: You try. Clearly there are guidelines that

[3] suggest it but I don't think we truly know, once

[4] again, the compromise to actual brain function.

[5] All we know from asphyxia if we are talking about

[6] that is blood gasses that are peripheral blood,

[7] the assumption is made there are changes in

[8] oxygenation or perfusion that happens in the

[9] brain but we don't measure that directly. It's

[10] all assumed. So you may have a severe

[11] oxygenation problem or acidotic problem or even

[12] perfusion problem and you make the assumption

[13] that may or may not have hurt the brain, more

[14] stress to the brain but you have no way of

[15] measuring that directly.

[16] Q: But we know that some stress can result in

[17] permanent brain injury?

[18] A: That's one assumption one has to make. But also

[19] there are processes that protect the brain, auto

[20] regulation is a good one. There are ways the

[21] brain can be protected against stress from major

[22] changes in peripheral blood flow which I believe

[23] he had.

[24] Q: What would that be?

[25] A: Auto regulation. When you're a full-term infant,

Page 44

[1] you're built to maintain — cerebral blood flow

[2] is protected over a wide range, changes in

[3] peripheral parameters such as acidosis or blood

[4] pressures.

[5] Q: For a lay person, does that mean the body will

[6] work to save the brain by reducing the flow of

[7] blood, more oxygen to other parts of the body?

[8] A: That's another phenomena that is true. I'm

[9] referring to a process that is actually within

[10] the brain that protects the brain from damage or

[11] dysfunction.

[12] Q: What about the loss of vagal nerve function, is

[13] that important to a fetus?

[14] A: It may or may not. It's a peripheral nerve

[15] function dealing with autonomic nervous system

[16] and its effects on the heart is measured by beat

[17] to beat and heart rate. But it may be

[18] independent of what's going on across the blood

[19] brain barrier within the brain.

[20] Q: Do you agree that effective resuscitation in the

[21] delivery room proves the neurological outcome for

[22] asphyxiated neonates?

[23] A: Yes, in general.

[24] Q: Do you agree fetal distress puts the fetus at

[25] greater risk for hypoxic brain injury?

Page 45

[1] A: Yes, for hypoxia. Hypoxia alone is not a common

[2] reason for injury in the brain.

[3] Q: If I say hypoxic ischemic brain injury, is that a

[4] better term?

[5] A: Yes.

[6] Q: Would you agree that fetal distress puts a fetus

[7] at greater risk for hypoxic ischemic brain

[8] injury?

[9] A: Yes.

[10] Q: You examined Anthony on November 4, 1999?

[11] A: Yes.

[12] Q: He had a generally normal neurological exam?

[13] A: From what I could ascertain from my short time

[14] with him, yes. I did state some of the provisos

[15] of my difficulty interacting with him, mental

[16] status exams which many of the problems are that

[17] the records reflects.

[18] Q: And even his motor function was somewhat limited,

[19] limited your ability to evaluate?

[20] A: There were some aspects of motor function we can

[21] get to. He had some balance difficulties, very

[22] subtle left-sided motor findings, and fine motor

[23] problems, yes, which are reflected in the medical

[24] records.

[25] Q: You have no disagreement with the neurological

Page 46

[1] findings as they exist in the medical records

[2] with the neuropsychological testing and

[3] Dr. Rothner's records?

[4] A: In general, no. Although the description of

[5] cerebral palsy he does not have at the present

[6] time, he may or may not have had it at ten months

[7] when Dave saw him initially. If he did, he

[8] outgrew a mild degree of it.

[9] Q: You don't believe Anthony has cerebral palsy at

[10] this time?

[11] A: Yes, I don't believe he has cerebral palsy at

[12] this time.

[13] Q: On what basis do you now say Anthony does not

[14] have cerebral palsy?

[15] A: All cerebral palsy is a descriptor of motor

[16] impairment of posture and tone. At this point

[17] the types of problems Anthony has are clearly in

[18] a different venue or different category than

[19] describing significant posture and tone

[20] abnormalities. It's not to say he doesn't have

[21] balance problems and fine motor problems but it's

[22] in the context of much more diffuse or multifocal

[23] issues I referred to earlier dealing with memory,

[24] language, adaptive social skills.

[25] Q: But he does have impaired motor function?

Page 47

[1] A: Very minimally.
[2] Q: He has increased tone?
[3] A: Very minimally.
[4] Q: Are those not characteristics of cerebral palsy
[5] on a minimal basis?
[6] A: No. That would not be my working definition of a
[7] child with cerebral palsy at this time. It does
[8] not reflect the type of problem he has.
[9] Q: Based on your examination, you saw no evidence of
[10] a genetic explanation?
[11] A: Not that I could ascertain, no.
[12] Q: Head size is normal?
[13] A: Yes.
[14] Q: No dysmorphic features?
[15] A: None that I could describe.
[16] Q: So based on all the evidence and information you
[17] have on Anthony Caimi, the only noteworthy event
[18] is the labor and delivery process; is that
[19] correct?
[20] A: Could you explain what you mean by noteworthy?
[21] Clearly this was a significant time, both in the
[22] mother's and child's life, I am not refuting
[23] that.
[24] What I'm trying to state with the wisdom of
[25] hindsight seeing him today and looking at all the

Page 48

[1] records in its entirety is the problems that
[2] occur around the uterine rupture made a
[3] vulnerable child who was already damaged or
[4] dysfunctional before labor and delivery
[5] symptomatic during the neonatal period.

[7] was already a damaged child, you hold the opinion
[8] that the events of labor and delivery had no
[9] additional adverse impact on this infant?
[10] A: Correct, based on the available data I have and
[11] reviewing the records.
[12] Q: So an hour and 40 minutes of severe fetal
[13] distress, coupled with loss of beat-to-beat
[14] variability and a severely acidotic infant has no
[15] impact on the neurological outcome of this child?
[16] MS. HARRIS: Objection to the
[17] interpretation of the fetal strips. Go
[18] ahead, Doctor.
[19] A: Even if I was to assume all was true, which may
[20] or may not be actually, my interpretation as a
[21] child neurologist begins at birth. If indeed
[22] that was the case, this child would have been
[23] profoundly depressed at birth and would not have
[24] responded to formal equivalent of bicarbonate
[25] with improvement to acidosis as he did. So your

Page 49

[11] rupture and he became symptomatic.
[12] Q: How about this child had extraordinary reserves
[13] and in light of the severe fetal stress in the
[14] intrapartum time period responded quickly and
[15] favorably to resuscitation?
[16] A: Then he should not have the deficit he has today
[17] based on only the events of the last hour and
[18] something minutes that you asked me to consider.
[19] Q: You're saying those events in and of themselves
[20] are not sufficient to cause neurological damage?
[21] A: That's correct. I have had children in
[22] Pittsburgh with uterine rupture with pH less than
[23] 7 who have had a newborn syndrome several hours
[24] and have resolved to perfectly normal follow up.
[25] Q: Do you have some that don't?

Page 50

[1] A: Not uterine rupture. The question is how is the
[2] child evolving their brain disorder during the
[3] immediate neonatal period to support the
[4] possibility the severe dysfunction may be a
[5] marker or surrogate marker for damage and I'm

[7] ventilator in 12 hours. His tone became rapidly
[8] increased. He had no documented seizures. The
[9] child neurologist said mild to moderate post
[10] asphyxia syndrome. He had minimal affect of
[11] other children.
[12] This is not a child I would have expected
[13] damaged. I would have been concerned and would
[14] have followed him, given all the concerns, but I
[15] would not expect multifocal or diffusion function
[16] he has now based on the events in question and
[17] the way he presented in the newborn period as I
[18] pointed out.
[19] Q: You have offered no opinions on the extent of the
[20] language difficulties or memory difficulties that
[21] this child has, correct?
[22] A: I have no way of judging that based on his
[23] response and shyness during the one time I met
[24] him.
[25] Q: In your report of November 4, 1999 you indicated

Page 51

[1] no prognosis for this child?

[2] **A:** Correct.

[3] **Q:** What is tandem walking?

[4] **A:** One foot in front of the other.

[5] **Q:** You write that Anthony was unable or unwilling to

[6] tandem walk?

[7] **A:** You were there. You saw that he was shy,

[8] reluctant. Whether he was unable to do it, I

[9] don't know. He just said, no, he didn't want to

[10] do it.

[11] **Q:** Did you see him toe walking?

[12] **A:** Yes.

[13] **Q:** What does that indicate?

[14] **A:** That he has strength to get up on his toes to

[15] support his weight plus it did not allow him to

[16] express other motor abnormalities which is the

[17] other reason I do toe walking which is to see

[18] other features of the exam which might become

[19] abnormal.

[20] **Q:** This baby was jaundiced a few days after birth.

[21] Is that also a consequence of the asphyxia?

[22] **A:** No.

[23] **Q:** Any idea the cause of that?

[24] **A:** Most likely it's due to his age and the fact that

[25] many kids can get jaundice from no pathological

Page 52

[1] reasons. I really hadn't thought about a

[2] differential of why he was jaundiced.

[3] **Q:** Did you note he had some problems a few days

[4] after birth with temperature regulation?

[5] **A:** Yes.

[6] **Q:** Did you note his attending physician believed it

[7] was from central nervous system dysfunction?

[8] **A:** Yes.

[9] **Q:** Do you agree with that?

[10] **A:** As long as we understand that my opinion is that

[11] the dysfunction was reflective of antepartum

[12] period, yes.

[13] **Q:** The basis you already stated?

[14] **A:** The basis is the same as already stated.

[15] **Q:** Did you, in your review of the records and all of

[16] the depositions in this case, find any references

[17] to any antepartum events which would explain this

[18] child's neurologic condition?

[19] **A:** No.

[20] **Q:** Do you have any understanding as to why fetal

[21] monitors are used in the laboring process?

[22] **A:** In general I'm aware that it's used for

[23] management, obstetrical management of children

[24] and mothers in the way the baby's are delivered.

[25] **Q:** Anthony's first arterial blood gas showed a pH of

Page 53

[1] 6.9 and base excess of minus 27?

[2] **A:** Yes,

[3] **Q:** Is the minus 27 a significant number?

[4] **A:** Yes.

[5] **Q:** What does it mean?

[6] **A:** It means the buffering capacity was acutely and

[7] severely compromised in the body.

[8] **Q:** I'm sorry the buffering —

[9] **A:** The buffering capacity, the body's ability or the

[10] ability to prevent acidosis. We have chemicals

[11] in our body that are released that counteract

[12] acidosis. He was using them up very quickly so

[13] he had very little reserve of bicarbonate.

[14] **Q:** Would that be the mechanism you referred to

[15] earlier that the brain has to preserve neurons?

[16] **A:** No. That's what the body has to preserve

[17] cellular function generally and it may have very

[18] little to do with what is doing across the blood

[19] brain barrier in the brain.

[20] **Q:** I believe that his next blood gas indicated a

[21] base excess of minus 16?

[22] **A:** Yes.

[23] **Q:** Is that still a worrisome figure?

[24] **A:** In terms of its trend downward or upward,

[25] depending on your point of view, it's encouraging

Page 54

[1] but it's still abnormal.

[2] **Q:** What is normal?

[3] **A:** Less than — greater than minus 10, minus 9,

[4] minus 8, et cetera. And actually the working

[5] definition of at least a significant —

[6] clinically significant base deficit is anything

[7] greater than minus 15.

[8] **Q:** I take it you do not know Dr. Scolnick?

[9] **A:** Correct.

[10] **Q:** You do not know Dr. O'Shaughnessy?

[11] **A:** Correct.

[12] **Q:** Dr. Nowicki?

[13] **A:** Correct.

[14] **Q:** Dr. Bruce?

[15] **A:** Correct.

[16] **Q:** Do you have privileges at St. Luke's?

[17] **A:** That's changing. I might. Right now I have not

[18] gone to St. Luke's. Since it's joined, I

[19] believe, the University system that may change

[20] but I don't know.

[21] **Q:** Okay. Do you know any of the medical personnel

[22] who participated in Anthony's scare?

[23] **A:** Other than Dave Rothner, no.

[24] **Q:** What do you charge for your time for reviewing?

[25] **A:** \$350 an hour.

Page 55

[1] Q: Deposition?
[2] A: Same.
[3] Q: Trial?
[4] A: Same.
[5] Q: How many times have you testified in trial?
[6] A: About 12, 15 times.
[7] Q: When was the last time?
[8] A: Last year.
[9] Q: In Cuyahoga County?
[10] A: No.
[11] Q: Where?
[12] A: I'm trying to remember. I don't recall. I
[13] apologize.
[14] Q: That's okay, What was the issue?
[15] A: It was a newborn, question of a newborn.
[16] Q: Can you recall for me any case where you have
[17] testified that the labor and delivery events
[18] caused brain injury in a child?
[19] A: Yeah. I am involved in a case now in
[20] New Hampshire which I have shared with the
[21] lawyer, the last name is Duggan. It's a case I
[22] just recently reviewed that events during labor
[23] and delivery at least have to be included as
[24] contributing to injury.
[25] Q: Are you being consulted by a plaintiff or defense

Page 56

[1] attorney?
[2] A: Plaintiff.
[3] Q: And where in New Hampshire?
[4] A: Nashua, I believe.
[5] Q: I'm sorry?
[6] A: Nashua.
[7] Q: N-a-s-h —
[8] A: — a-u .
[9] Q: Do you know Mr. Duggan's first name
[10] MS. HARRIS: Objection. I am
[11] going object. I don't know anything about
[12] that case, Claudia, and it would be
[13] improper for us to reveal any information
[14] about that case without the permission of
[15] the attorney. This case is a pending case.
[16] It's not one that is closed so I'm going to
[17] tell him not to answer any of these
[18] questions.
[19] MS. EKLUND: He's not your witness
[20] to direct not to answer. I'm masking the
[21] attorney's first name and that's the extent
[22] of my question.
[23] MS. HARRIS: The problem I have
[24] this attorney may not know — want anybody
[25] to know whether or not Dr. Scher was

Page 57

[1] involved in this case. Now you're going to
[2] call him up and I think that's a violation
[3] of any agreement they might have and it
[4] would be quite unreasonable to have this
[5] doctor reveal those conferences in a
[6] pending case.
[7] A: I don't remember his first name.
[8] Q: Can you tell me a case that would now be closed
[9] where you testified that a child's been injured
[10] by labor and delivery events?
[11] A: There was a case in Ashtabula, near here, a
[12] spinal cord injury that I opined for the
[13] plaintiff that that caused child's injury.
[14] Q: Do you remember the name of the case?
[15] A: No.
[16] Q: Name of the attorneys?
[17] A: No. It was just in Ashtabula County.
[18] Q: How long ago that was?
[19] A: Couple years.
[20] Q: Do you keep a record anywhere of the cases in
[21] which you have been involved in as an expert
[22] witness?
[23] A: No.
[24] MS. EKLUND: I'm just about
[25] finished. Give me a minute to look over my

Page 58

[1] notes.
[2] Q: Doctor, do you agree that the asphyxia which
[3] Anthony had at birth was due to fetal distress in
[4] utero?
[5] A: Yes.
[6] Q: Fetal distress occurring at or near about the
[7] time of delivery?
[8] A: Yes.
[9] Q: Do you agree that the acidosis which this baby
[10] had was a result of labor and delivery events?
[11] A: Yes.
[12] Q: Do you agree that the multiorgan dysfunction that
[13] he had was related to the labor and delivery
[14] events?
[15] A: As far as you understand the type of dysfunction
[16] of the other organs as reflected in the records,
[17] yes.
[18] Q: Do you agree that if this infant had neonatal
[19] seizures, at least on a clinical basis they would
[20] have been related to the labor and delivery
[21] event?
[22] A: No, not necessarily true. If indeed there were
[23] seizures, and let's assume there were, it may
[24] reflect the lower threshold or decreased reserve
[25] that may have made the child have seizure from a

<div>Page 59</div> <div><p>[1] preexisting damage.</p><p>[2] Q: Are you able to say with any probability it's the</p><p>[3] labor and delivery events or lower threshold?</p><p>[4] A: You're asking me to assume there were —</p><p>[5] Q: I'm asking you to assume there was.</p><p>[6] A: I have no way of knowing the difference.</p><p>[7] MS. EKLUND: I don't have any more</p><p>[8] questions for you, Doctor.</p><p>[9] MR. GOLDING: Good evening,</p><p>[10] Doctor. We met earlier. My name is</p><p>[11] Michael Golding. I have a couple questions</p><p>[12] for you.</p><p>[13]</p><p>[14] CROSS-EXAMINATION OF MARK S. SCHER, M.D.</p><p>[15] BY MR. GOLDING:</p><p>[16] Q: Ms. Eklund had just asked you a series of</p><p>[17] questions and you said at one point you couldn't</p><p>[18] determine whether this condition may have</p><p>[19] resulted from preexisting damage, correct?</p><p>[20] A: Correct.</p><p>[21] Q: Okay. What is your basis for saying there may</p><p>[22] have been preexisting damage?</p><p>[23] A: First of all, in my interpretation of the facts</p><p>[24] the lack of severity and longevity of the</p><p>[25] neonatal brain syndrome to support the</p></div>	<div>Page 61</div> <div><p>[1]</p><p>[2]</p><p>CERTIFICATE</p><p>[3]</p><p>[4] The State of Ohio,) SS:</p><p>County of Cuyahoga.)</p><p>[5]</p><p>[6]</p><p>I, Tami A. Mitchell, a Notary Public within</p><p>[7] and for the State of Ohio, authorized to</p><p>administer oaths and to take and certify</p><p>[8] depositions, do hereby certify that the</p><p>above-named MARKS. SCHER, M.D., was by me,</p><p>[9] before the giving of his deposition, first duly</p><p>sworn to testify the truth, the whole truth, and</p><p>[0] nothing but the truth; that the deposition as</p><p>above-set forth was reduced to writing by me by</p><p>[1] means of stenotypy, and was later transcribed</p><p>into typewriting under my direction; that this is</p><p>[2] a true record of the testimony given by the</p><p>witness, and was subscribed by said witness in my</p><p>[3] presence; that said deposition was taken at the</p><p>aforementioned time, date and place, pursuant to</p><p>[4] notice or stipulations of counsel; that I am not</p><p>a relative or employee or attorney of any of the</p><p>[5] parties, or a relative or employee of such</p><p>attorney or financially interested in this</p><p>[6] action.</p><p>[7] IN WITNESS WHEREOF, I have hereunto set my</p><p>hand and seal of office, at Cleveland, Ohio, this</p><p>[8] _____ day of _____, A.D. 19 ____.</p><p>[9]</p><p>[10]</p><p>Tami A. Mitchell, Notary Public, State of Ohio</p><p>[11] 1750 Midland Building, Cleveland, Ohio 44115</p><p>My commission expires October 23, 2004</p><p>[12]</p><p>[13]</p><p>[14]</p><p>[15]</p><p>[16]</p><p>[17]</p><p>[18]</p><p>[19]</p><p>[20]</p><p>[21]</p><p>[22]</p><p>[23]</p><p>[24]</p><p>[25]</p></div>
---	---

[1]	WITNESSINDEX	
[2]	PAGE	
	CROSS-EXAMINATION	
[3]	MARK S. SCHER, M.D.	
	BY MS. EKLUND.....	3
[4]		
	CROSS-EXAMINATION	
[5]	MARKS. SCHER, M.D.	
	BY MR. GOLDING	59
[6]		
[7]		
[8]		
[9]		
[10]		
[11]		
[12]		
[13]		
[14]		
[15]		
[16]		
[17]		
[18]		
[19]		
[20]		
[21]		
[22]		
[23]		
[24]		
[25]		

