

IN THE COURT OF THE COMMON PLEAS
CUYAHOGA COUNTY, OHIO

GLORIA MASLANKA, Individually
and as Parent and Natural
Guardian of Shane Maslanka,

Plaintiff,

vs.

No. CV-05-552424
JUDGE McDONNELL

METROHEALTH MEDICAL CENTER,

Defendant.

AUDIO-VISUAL DEPOSITION of MICHAEL PARKER

SHERMAN, M.D., taken in the above-entitled case
before Tricia L. Gudgel, a Notary Public of Menard
County, acting within and for the County of
Sangamon, State of Illinois, at 2:15 o'clock P.M.,
on August 3, 2006, at 107 East Allen Street,
Springfield, Sangamon County, Illinois, pursuant to
notice.

JOB NO. 186010

1 APPEARANCES:

2 BECKER & MISHKIND

BY: David A. Kulwicki, Esq.

3 Michelle Mahon, Attorney at Law,
via telephone

4 1660 West Second Street, Suite 660
Cleveland, Ohio 44113

5 On behalf of Plaintiff.

6 REMINGER & REMINGER

BY: Christine Reid, Attorney At Law

7 1400 Midland Building

101 Prospect Avenue West

8 Cleveland, Ohio 44115

On behalf of Defendant via telephone.

9 ALSO PRESENT:

10 Mr. Trevor Baldwin, Videographer

11 Baldwin Legal-Visual

12 107 East Allen Street

13 Springfield, Illinois 62704

I N D E X

DEPONENT	PAGE NUMBER
Michael Parker Sherman, M.D.	
Examination by Ms. Reid	5

E X H I B I T S

NUMBER	MARKED FOR IDENTIFICATION
Exhibit 1	(Before the deposiiton.)
Exhibits 2-4	(Conclusion of deposition.)

S T I P U L A T I O N

It is stipulated and agreed, by and between the parties hereto, through their attorneys, that the audio-visual deposition of MICHAEL PARKER SHERMAN, M.D. may be taken for before Tricia L. Gudgel, a Notary Public and Certified Shorthand Reporter upon oral interrogatories, on the 3rd of August A.D., 2006, at the instance of the Defendant at the hour of 2:15 o'clock P.M., 107 East Allen Street, Springfield, Sangamon County, Illinois;

That the oral interrogatories and the answers of the witness may be taken down in shorthand by the Reporter and afterwards transcribed;

That all requirements of the Civil Practice Act and the Rules of the Supreme Court as to dedimus, are expressly waived;

That any objections as to competency, materiality or relevancy are hereby reserved, but any objection as to the form of question is waived unless specifically noted;

That the deposition, or any parts thereof may be used for any purpose for which discovery depositions are competent, by any of the parties hereto, without foundation proof;

That any party hereto may be furnished copies of the deposition at his or her own expense.

(Whereupon the Deponent was
sworn by the Notary Public.)

M I C H A E L P A R K E R S H E R M A N, M. D.
Having been first duly sworn by the Notary Public,
deposeth and saith as follows:

EXAMINATION

BY MS. REID:

Q Good afternoon, Dr. Sherman.

A Good afternoon.

Q As I'm sure Mr. Kulwicki has told you, my
name's Christine Reid, and I'm here on behalf of
MetroHealth Medical Center this afternoon. And
we're here for your deposition to explore your
expert opinions in this case. Is that your
understanding, as well?

A Yes.

Q I apologize for not being there in
person, your weather kept me on a plane for a
couple hours this morning but going nowhere.

I know from reviewing some past
information that you've had your deposition taken
in the past, correct?

A Yes.

Q All right. As we go through this

1 process, particularly because we're on the
2 telephone, if for any reason you do not understand
3 a question I've asked, please interrupt me, stop
4 me, and I will attempt to rephrase or repeat the
5 question so that we're on the same page throughout,
6 all right?

7 A Yes.

8 Q All right. Because as you know, I will
9 rely on the answers you give here today at the time
10 of the trial in this matter.

11 A Understood.

12 Q All right.

13 Could you state your full name for the
14 record.

15 A Michael Parker Sherman.

16 Q And is your business address still with
17 the Southern Illinois University School of
18 Medicine?

19 A That's correct.

20 Q All right. Your practice, Dr. Sherman,
21 has it changed at all since September of 2005?

22 A No. Other than, perhaps, I probably do
23 more clinical or bedside neonatology now than I did
24 last September.

1 Q Okay. The reason why I asked that is my
2 partner, Leslie Jenny, took your deposition back in
3 September of 2005, and you gave a description of
4 your practice at that time. Rather than repeat the
5 questions, I'm just, you know, wondering if I could
6 rely on your description at that point with the
7 editions you've just given me?

8 A That would be correct. It's probably 75
9 percent or more clinical practice at this time.

10 Q All right. Why has there been an
11 increase in your bedside practice?

12 A We took over a -- or are in the process
13 of taking over a level 2 nursery in Decatur,
14 Illinois.

15 Q What's the name of that institution?

16 A Decatur Memorial Hospital.

17 Q And the other hospital you go to is
18 St. John's Hospital?

19 A St. John's Hospital is where the level 3
20 nursery is, and Memorial Medical Center is where
21 the level 2 hospital is. After December of 2005, I
22 had increasing responsibilities at Memorial Medical
23 Center.

24 Q Such as?

1 A Such as being the attending neonatologist
2 in their level 2 nursery.

3 Q All right. Do have an academic
4 appointment at this time?

5 A Yes, I do.

6 Q All right. And is that with Southern
7 Illinois University?

8 A I have an appointment there as professor
9 of pediatrics, and I'm a professor emeritus and
10 professor recalled at the University of California
11 at Davis.

12 Q What does it mean to be a professor
13 recalled?

14 A It means that because I received a
15 research award from the National Institutes of
16 Health, they recalled me as a research professor to
17 do funds. I think it's probably mostly so they can
18 recover the indirect cost from the federal
19 government to fund the university programs.

20 Q All right. Do you currently go to the
21 University of California Davis and do any teaching,
22 lecturing or research?

23 A I have gone to the University of
24 California Davis in the past year to perform

1 bench-side research in the basic science
2 laboratories.

3 Q On what specific areas?

4 A Animal model of necrotizing enterocolitis
5 and its prevention with human recombinant
6 lactoferrin of breast milk protein.

7 Q In reviewing your CV, that's something
8 you've been working on in the past, as well?

9 A That's correct.

10 Q All right. Do you do any didactic
11 teaching currently?

12 A Yes.

13 Q At Southern Illinois?

14 A Yes.

15 Q And how often are you going to the
16 University to teach?

17 A Well, I teach third year or fourth year
18 medical students and residents. So that's almost
19 on a weekly basis. If I'm doing clinical care,
20 I'll have fourth year medical students. If I'm at
21 Memorial, I've had third year medical students.
22 And then we have pediatric residents who are
23 educated at St. John's Hospital.

24 Q Do you do any lecturing at the

1 University?

2 A Yes.

3 Q How -- is there a class you teach on a
4 regular basis or are they irregular types of
5 courses?

6 A There's a neonatology course that we --
7 all the neonatologists participate in.

8 Q And how many neonatologists are in your
9 group?

10 A Six.

11 Q I'm assuming, in your practice of
12 neonatology, particularly at St. John's Hospital,
13 you deal with premature infants?

14 A That's correct.

15 Q Do you treat premature infants at all
16 three institutions you go to or primarily at
17 St. John's?

18 A All three institutions.

19 Q All right. Can you tell me what the
20 percent of your neonatology practice deals with
21 premature or low birth weight infants?

22 A It would be in excess of 50 percent.

23 Q Mr. Kulwicki advises me that you have
24 brought a copy of your curriculum vitae with you

1 today?

2 A That's correct.

3 Q What's the date of the curriculum vitae
4 you have with you today?

5 A It's current, August of 2006.

6 Q Okay. Can you have your -- if you
7 haven't already done this, just make sure the court
8 reporter marks that so it can be attached to the
9 deposition.

10 A She has it marked as Exhibit 1.

11 Q Great. Thank you very much.

12 Have you brought any literature with you
13 today?

14 A No, I did not.

15 Q No articles whatsoever?

16 A No.

17 Q Did you review any medical literature in
18 preparation for either your report, your expert
19 report in this case, or in preparation for today's
20 deposition?

21 A No, not -- not specifically for this
22 deposition.

23 Q How about at the time you were putting
24 together your expert report in this case?

1 A Well, at the time I was putting together
2 the expert report in this case, we had an ongoing
3 research study at the University of California
4 Davis, that was funded with me as the principal
5 investigator, on using near infrared spectroscopy
6 for early identification of the patent ductus
7 arteriosus in extremely low birth weight babies.

8 That research is now in press in Biology
9 of the Neonate. So obviously, in preparing a
10 clinical research paper, you would be reviewing a
11 great deal of information on patent ductus
12 arteriosus.

13 Q Is that research that's now in press?

14 A It's in press, that's correct.

15 Q Is it listed on your CV?

16 A Yes, it is.

17 Q Can you tell me what number it is or --
18 just so I can easily refer to it when I take a look
19 at your CV?

20 A It is on page 30 and it's under a title
21 called "Peer-reviewed Manuscripts" and it's number
22 81.

23 Q All right. Other than that research
24 regarding PDA which you just described, is there

1 any other literature that you can identify for me
2 today that you believe supports any or all of your
3 opinions that are set forth in your expert report?

4 A Well, you know, there's many aspects of
5 my CV that are relevant to this case.

6 Q All right. Your CV obviously has
7 multiple pages. I have an August of 2005 edition
8 of it, I guess. Are there any articles that you
9 can point me to, as we sit here today, that you
10 believe are relevant to this case?

11 A Well, there's many basics research papers
12 that I did in conjunction with Ronald Gibbs,
13 professor and chair of OB/GYN at the University of
14 Colorado that have to do with antenatal infection.

15 And I just revised a chapter for
16 eMedicine that's entitled "Maternal
17 Chorioamnionitis," and it probably will be posted
18 in the next few months as being updated. It was
19 originally published in September 6, 2001, and the
20 revised version has gone in in May of this year.

21 Q Anything else from your CV that you can
22 point me to right now that you believe is relevant
23 to this case?

24 A Well, there's -- there's many articles

1 that have to do with early onset infection.
2 Probably the most famous of the articles are ones
3 that were published when I had a lot more hair than
4 I have today.

5 The one I probably would refer you to is
6 publication number 7 on page 23 published in 1980
7 in Pediatrics, on tracheal aspiration and its
8 clinical correlates in the diagnosis of congenital
9 pneumonia.

10 And reference number 13 also on page 23
11 called Gram's stains of tracheal secretions predict
12 neonatal bacteremia. And that has to do with early
13 onset bacterial infection which would appear a
14 number of clinicians caring for the infant and one
15 of your experts wrongly believe was present.

16 Q Who are you referring to?

17 A Dr. Martin.

18 Q Okay. And why do you --

19 A And Dr. Kumar. We'll get into that, I'm
20 sure, later in the depo.

21 Q Okay. But you -- that comment was
22 specifically related to Dr. Kumar and Dr. Martin?

23 A That's correct.

24 Q All right. Other than articles or

1 publications that are listed on your CV, is there
2 any other literature that you can point me to or
3 you intend on pointing me to that you believe
4 supports your opinions as set forth in your expert
5 report?

6 A Well, that's kind of like asking what's
7 the volume of the ocean. But there certainly is a
8 wealth of information about treatment of PDA's, the
9 use of indomethacin to actually prevent
10 intracranial hemorrhage.

11 There's a variety of subjects on
12 hypernatremia and interventricular hemorrhage.
13 There's information about asphyxial intrapartum
14 events with reperfusion, reoxygenation injury after
15 birth.

16 There's linkage between blood --
17 hyperoxemia, which was present in the first hours
18 of this patient's care, all which can lead to
19 either pulmonary brain injury. So this case is
20 extremely complex with regards to its deviations
21 from the standard of care.

22 Q I understand that there are complexities
23 in this case.

24 My question is, and if the answer is no

1 -- I mean, as we sit here today, is there any
2 article, textbook, chapter in a textbook that you
3 can refer me to that you can say, hey, specifically
4 support your opinions in this case?

5 A Yes.

6 Q All right. And what would that be?

7 A Well, Remington and Klein, which is a
8 textbook on infectious diseases of the newborn. A
9 host of publications on patent ductus arteriosus by
10 Ronald Clyman, professor of pediatrics at UCFS.
11 Work by Dr. Coulter: C-O-U-L-T-E-R.

12 Clyman's spelled: C-L-Y-M-A-N.
13 C-L-Y-M-A-N. Coulter: C-O-U-L-T-E-R.

14 Dr. Coulter was at the University of
15 Utah, he still may be there. He did work on
16 hypernatremia and intracranial hemorrhage.

17 And then there's a host of literature
18 about the risk of -- increased risk of retinopathy
19 of prematurity, and potentially pulmonary injury
20 from pulmonary oxygen toxicity associated with
21 hyperoxemia.

22 That probably can be looked at very
23 simply by looking at the range of acceptable
24 intraarterial oxygen tensions in the "Manual of

1 Neonatal Care" by Cloherty from Harvard. That name
2 is spelled: C-L-O-H-E-R-T-Y. There are two other
3 editors that are part of that issue.

4 And probably in that regard, I should
5 mention an article that we -- that I just submitted
6 actually today to Pediatrics on the relationship of
7 antenatal methamphetamine abuse, cocaine abuse, and
8 the occurrence of respiratory distress syndrome and
9 other pulmonary conditions in the newborn.

10 Q Why is that article you just mentioned
11 relevant to this case?

12 A Well, because it has to do with the
13 manifestations of different types of pulmonary
14 disorders and -- and their causes. And certainly
15 there's a disparity between Dr. Kumar, who says
16 that this is a severe respiratory distress
17 syndrome, and Dr. Martin, who describes it as mild
18 respiratory distress syndrome.

19 Q Any other literature or does that cover
20 it?

21 A Well, there's -- we could go on and on
22 about what are the proper values for coagulation
23 values in infants. I recently had done CD-ROM for
24 the pediatric residents that lists a variety of

1 articles from the literature that they can use as
2 resources on a variety of topics including:
3 Bleeding, patent ductus arteriosus, retinopathy in
4 prematurity, respiratory deceases, chronic lung
5 disease, interventricular hemorrhage, PBL, and
6 other aspects of this case.

7 So, you know, there's -- you know, we
8 could be here the rest of the afternoon giving
9 citations of the medical literature since there was
10 probably a thousand articles associated with that
11 CD-ROM.

12 Q Was that CD-ROM published by a national
13 publisher or was it something you just put
14 together?

15 A It was something I put together for the
16 pediatric house officers at Southern Illinois
17 University.

18 Q Would there be a way for me to request a
19 copy of that CD at my expense?

20 A I don't know why you would be privileged
21 to have it. Maybe Mr. Kulwicki can discuss that
22 with you. But I see no reason why you should
23 receive a -- something that took several weeks to
24 put together and had to be reviewed. I don't think

1 it's appropriate that I do your research on --
2 medical research on cases.

3 Q Well, I mean, do you believe that it's
4 appropriate that I'm aware of what medical
5 authorities and research you're relying on to
6 support your opinion?

7 MR. KULWICKI: Chris, let me -- let me
8 interrupt. Let me interpose an objection. The
9 right way to get this, rather than trying to
10 negotiate with Dr. Sherman in the course of a
11 deposition, would be to either drop a subpoena on
12 him or drop a request for production of documents,
13 or even less formally, a letter on me.

14 Allow me to consider the discoverability
15 of that, and we can handle that as a records
16 request, as opposed to trying to negotiate with
17 Dr. Sherman right now.

18 I think if you're asking him will he
19 agree to give it to you, he's telling you no --

20 MS. REID: All right, that's fine. I mean, I
21 -- a lot of times when I ask experts if they'll
22 agree to give me a piece of literature or a study,
23 they say yes. So I think I was trying to do it the
24 easy way. If you want me to do it the formal way,

1 I will do so. And I'll move on.

2 MR. KULWICKI: Okay.

3 THE DEPONENT: Well, I think there's a --
4 there's -- there's a -- there was an interruption.
5 And I think that you can refer to an article that
6 we published, I think in 2003 in "American Journal
7 of Obstetrics and Gynecology," that it had to do
8 with a center that founded on perinatal medicine
9 and law.

10 And you may be under the assumption that
11 Fanteroff and Martin's textbook is authoritative or
12 that peer-review articles are authoritative.
13 They're authoritative in the eyes of the beholder,
14 and they hold no special significance.

15 So whether you're going to produce
16 something from the CD-ROM and consider it to be
17 authoritative, it's a peer-reviewed publication,
18 okay. It's no different than the publications that
19 I've cited to you that I -- that I had
20 peer-reviewed and were published. So -- so what
21 you consider authoritative and what the medical
22 community considers authoritative is quite
23 different.

24 MS. REID: Q What do you consider

1 authoritative?

2 A There is no authoritative thing because
3 there's disagreement among medical experts as to a
4 variety of subjects.

5 Q All right. So no piece of medical
6 literature, as far as you're concerned, is --
7 should be considered authoritative?

8 A Well, there are some classic articles
9 that I think are well accepted over time but that
10 requires time. And most of the articles on this
11 CD-ROM were published probably in the last three to
12 a maximum four years. And it takes time to become
13 authoritative. This was produced to give the
14 residents a flavor of the current state of the art,
15 not necessarily where we'll be, three, five, or
16 even ten years from now.

17 Q So what you're saying is that while you
18 -- I presume you consider the literature you write
19 to be authoritative or...

20 A I think that's judged by somebody else,
21 not by me.

22 MS. REID: All right. Well, let me move on.

23 I'll be frank with you, David, and frank
24 with Dr. Sherman, I mean the reason why I asked

1 this is if there's any piece of literature that
2 Dr. Sherman is going to use at the time of trial to
3 support his opinions, I think I'm entitled to know
4 that, see it. And that's really what I'm getting
5 at.

6 So you can tell me there's nothing or you
7 can tell me you'll produce anything he intends on
8 using at the time of trial to support his opinions
9 and we can move on.

10 MR. KULWICKI: Well, again, I think that sort
11 of request is not for purposes of a deposition but
12 is to be obtained through a records request and you
13 know how to do that. I mean, I intend to ask you
14 for any lit that you intend to use at trial and
15 certainly you have the right to ask me.

16 Trial is several months away, do I have a
17 list in mind right now, not at all. Are there a
18 couple articles I'm thinking about, yes. I
19 consider it work product at this point in time.
20 But obviously at some point in time before trial,
21 if you give me a formal request, I think I have a
22 duty to show you it, so.

23 MS. REID: Well, as long as we have an
24 understanding that that's how we're going to handle

1 it, I can -- that's how we'll handle it. Fair
2 enough?

3 MR. KULWICKI: Fair enough.

4 MS. REID: All right.

5 Q Dr. Sherman, can you do me a favor,
6 since, unfortunately, I'm not there with you today,
7 and I don't mean to make this tedious, but I'd like
8 you to read into the record what materials you have
9 with you today that you reviewed as it relates to
10 this case.

11 A Well, the first two things, I was
12 contacted, I believe, either -- and I don't
13 recollect whether it was via a E-mail or via a
14 telephone call by, I think it's a Mrs. Chaya:
15 C-H-A-Y-A; a nurse. And after our discussion, I
16 told her I would look at the case and render an
17 opinion about it. And she sent me two volumes.
18 Okay.

19 One is entitled medical records of Gloria
20 and Shane Maslanka and it says: expert copy. And
21 it's the smaller of the two binders.

22 The second one is newborn records of
23 Shane Maslanka from MetroHealth Medical Center and
24 volume one. And under that in parenthesis it also

1 has: expert copy. Okay.

2 So those were the -- those are the two
3 major documents I've relied upon for my opinion
4 today.

5 Q Can I interrupt you. Are all of those
6 records in those two volumes from MetroHealth
7 Medical Center?

8 A For the most part, yes. Okay.

9 Q Meaning?

10 A Well, there's -- there's maybe some -- I
11 think most of the other stuff is in fact reports or
12 depositions.

13 Q I was talking about with the two volumes
14 of records you just described.

15 A Yes. Most of the -- almost all, if not
16 all, are in those volumes. Okay.

17 MR. KULWICKI: Chris, I am looking through it,
18 since we sent these records, and I'm certain it's
19 the same two volumes that we sent to you as part of
20 our production. And looking at them, they are all
21 MetroHealth medical records.

22 MS. REID: Okay. Thank you.

23 MR. KULWICKI: Okay.

24 MS. REID: All right.

1 Q What else have you reviewed then,
2 Dr. Sherman?

3 A I was sent an expert report by
4 Dr. Gimovsky that's about two-and-a-half pages
5 long, and a one-page letter sent to Mr. Kulwicki
6 from a Robert W. Bendon.

7 And then I was just given today two
8 expert reports of defense experts. One has a cover
9 letter with your name on it, and then the letters
10 are a three-page letter by Richard Martin, and a
11 slightly over one-page letter by Marilyn Segal.

12 Q Do you know Richard Martin?

13 A I've had dinner with him on one occasion
14 in Nice, France.

15 Q What was the occasion for that dinner?

16 A We were both presenting at a pediatric
17 pulmonary conference at a pediatric pulmonary
18 scientific meeting.

19 Q Do you maintain a copy of the Martin and
20 Fanteroff text in your library?

21 A Yes, I do. Along with --

22 Q Do you believe that Dr. Martin is a well
23 respected neonatologist?

24 MR. KULWICKI: Objection. You can answer.

1 THE DEPONENT: Yes. As far as I'm aware,
2 that's correct.

3 MS. REID: All right.

4 Q Do you know Marilyn Segal?

5 A No, I do not.

6 Q I don't know if -- strike that.

7 Do you know a physician named
8 T. Murphy Goodwin from the University of Southern
9 California?

10 A No, that name's not familiar with me and
11 I practiced many years at UCLA.

12 Q Okay. All right.

13 What else? We've gone through the
14 records, the expert reports, what else have you had
15 the opportunity to review?

16 A Okay. I was sent depositions on a number
17 of people. Actually, on one person, I was sent two
18 copies, one of which included the vitae of the
19 individual, that person is Deepak Kumar. The other
20 depositions I was sent was Gloria Maslanka,
21 Judette Louis, Ahmad Razi, Joseph Sciarrota,
22 Graham Ashmead and Cathy Rhodes.

23 Q Any other materials you've reviewed in
24 this case?

1 A No, that's it.

2 Q Were you provided any type of medical
3 records summary in this case?

4 A No. And I don't look at medical record
5 summaries if I had gotten them.

6 Q Did you say no, you were not provided
7 with them?

8 A I was not provided them and I did not --
9 and I wouldn't look at them if I was. I don't ever
10 -- I make my own opinions based solely, usually on
11 the medical records.

12 Q Have you maintained the correspondence
13 that you received from the Becker and Mishkind law
14 firm?

15 A Yeah. There's several things here that
16 -- there's several cover letters here that -- I
17 think three or four.

18 MS. REID: David, do you have any objection to
19 those being marked as exhibits?

20 MR. KULWICKI: I don't.

21 MS. REID: All right.

22 Q Doctor, and we can do this at the end in
23 the interest of time, but I'd like the -- can you
24 tell me how many there are, just so I know?

1 A Let me look inside the volumes and see if
2 there's -- I have three here in front of me.

3 Q You can hand them to the court reporter
4 and we'll have them marked as exhibits.

5 (Discussion off the record.)

6 MS. REID: Q Dr. Sherman, were you provided
7 any films as it relates to Shane Maslanka in this
8 case?

9 A No, I was not.

10 Q Okay. You have not reviewed any
11 ultrasound films?

12 A I have not reviewed any ultrasound films
13 or any radiographic materials.

14 Q All right. In your practice, do you
15 review head ultrasounds of infants?

16 A Yes.

17 Q All right. Do you interpret it
18 themselves or do you rely -- interpret them
19 yourself or do you rely on a radiologist to do so?

20 A On an emergency basis, I interpret them
21 myself, but I always ultimately rely on the report
22 of the pediatric radiologist.

23 Q All right. A pediatric radiologist would
24 have more expertise than you in interpreting a head

1 ultrasound?

2 A I think that might be questioned because
3 I was part of a big study at UCLA in which I did
4 thousands of head ultrasounds on babies under 1500
5 grams. But that's I think -- I think the pediatric
6 radiologists have respect for my opinions in
7 interpreting head ultrasounds.

8 Q But you also respect their opinions and
9 rely on their reports, correct?

10 A I rely upon their reports, that does not
11 mean we might not have a discussion occasionally on
12 differences of opinion.

13 Q Fair enough. Okay.

14 Dr. Sherman, how many years have you been
15 doing expert work in the medical/legal field?

16 A I started in 1983.

17 Q All right. Why was it that you first got
18 involved in doing expert consulting work?

19 A At that time, I was on the faculty at the
20 University of California, and one of the charges
21 for faculty members was to render public service,
22 and doing medical/legal reviews was considered
23 public service.

24 Q Okay. And have you continued to do your

1 expert consulting work because you believe it's in
2 the public service?

3 A Yes.

4 Q All right.

5 A Otherwise we wouldn't have founded the
6 Center for Perinatal Medicine and Law to try and
7 avoid malpractice litigation against OBs and
8 neonatologists in 2001, I think it was.

9 Q That's when the center was first
10 developed?

11 A Yes. It's -- I think it's on my vitae, I
12 think.

13 Q And is that center still ongoing?

14 A Well, I think it's probably reduced its
15 activities since I left.

16 Q Were you the head of -- the head of the
17 center?

18 A I was the codirector for research.

19 Q All right. Who was the other codirector?

20 A William Gilbert, who was a
21 perinatologist, and interestingly, a plaintiff's
22 attorney named Don Fascio.

23 Q Do you have any involvement currently
24 with the Center for Perinatal Medicine and Law?

1 A No, I don't.

2 Q I note in some the articles where you're
3 an author there's a Jan Sherman, RN?

4 A Yes.

5 Q Is that your wife?

6 A Well, she's a Ph.D., and RN, and MNP.
7 That's my wife, that's correct.

8 Q Okay, just curious.

9 A She's much smarter than me.

10 Q You should have that page blown up for
11 her.

12 What is your understanding, when you do
13 expert consultant work, like we're doing here
14 today, what your role is?

15 A Well, I never allow defense or
16 plaintiff's attorneys to define a role for me.
17 Okay. All that I do is I look at the records and I
18 render whether I believe that the case is
19 defensible or that they -- that a claim should be
20 prosecuted.

21 But on both sides of the aisle, I would
22 say maybe 25 percent of the time, I refuse to be
23 involved with the case I'm sent because it either
24 it's not defensible or the plaintiff's claim has no

1 merit.

2 Q That's in 25 percent of the cases, you
3 said?

4 A Yes.

5 Q Do you believe your role in -- as an
6 expert consultant is to be an advocate for one side
7 or the other?

8 A No, it's just to be an expert.

9 Q Okay. You a member of the American
10 Board of Pediatrics; is that correct?

11 A That's correct.

12 Q Are you a member of any other board?

13 A I have many scientific associations.

14 Q Okay. But as far as medical boards, is
15 the American Board of Pediatrics the one that --

16 A And the National Board of Medical
17 Examiners.

18 Q Okay. Do either of those boards,
19 Dr. Sherman, that you're aware of, have any type of
20 guidelines for serving as an expert witness in a
21 medical malpractice case?

22 A Well, the American Academy of Pediatrics,
23 it's not as rigorous as ACOGs, but the American
24 Academy of Pediatrics, of which I'm a member, has

1 published guidelines on providing expert testimony.

2 Q And you've reviewed them and are familiar
3 with them?

4 A Yes, I have. In fact, I often cite them
5 in depositions when people provide less than honest
6 and candid and scientifically sound testimony,
7 especially if they're pedestrians.

8 Q All right. So you agree with those
9 guidelines, I assume?

10 A Yes, very much so.

11 Q All right. Is it your intention in this
12 case, Dr. Sherman, to provide any opinions
13 regarding the standard of care for the
14 obstetricians in this case?

15 A No. But I will provide some opinions of
16 how neonatal injury may have occurred as the
17 consequence of obstetrical care.

18 Q Right. So you'll talk about the factual
19 scenario related to the obstetrical care but not
20 state that there was or was not a deviation from
21 the standard of care?

22 A That's correct.

23 Q All right. Can we agree, Dr. Sherman,
24 that when Gloria Maslanka presented to MetroHealth

1 Medical Center on July 31, she was in preterm
2 labor?

3 A Yes, she did seem to be having some
4 contractions.

5 Q Okay.

6 A Infrequent but having some.

7 Q Can we agree that on that date,
8 Gloria Maslanka had a premature rupture of
9 membranes?

10 A I'm not convinced of that.

11 Q Why not?

12 A I couldn't find a result of a ferning
13 examination or a nitrazine test in the -- in the
14 records that would go along with membrane rupture.
15 It could have been that the leaking she experienced
16 was in fact a urination.

17 Q Well when do you believe Gloria Maslanka
18 ruptured her membranes?

19 A Perhaps with placement of the
20 intrauterine pressure catheter. But that's an
21 opinion that should be given by an obstetrician not
22 by a neonatologist.

23 Q All right. So, I mean, do you believe
24 that she had spontaneous rupture of membranes?

1 A I don't think that that's conclusively
2 proven by the -- by the -- by the medical record.
3 But again, that requires testimony from an
4 obstetrician or perinatologist.

5 Q Well you made mention in your report
6 about expectant management of the pregnancy,
7 correct?

8 A Right. Expected management when there is
9 rupture of membranes.

10 Q All right. So --

11 A At 27 weeks gestational age.

12 Q Right. Now, let's assume that expected
13 management, as you described, was used in this case
14 -- that's probably not the appropriate word -- for
15 the rupture of membranes at 27 weeks. Do you have
16 an opinion as to how long delivery in this case
17 could have been delayed?

18 A I have an opinion based on experience and
19 serving on the obstetrics and maternal-fetal
20 biology study section at the National Institutes of
21 Health, but that is an opinion that actually should
22 be obtained by an obstetrician or a perinatologist
23 rather than myself.

24 Q All right. So, I mean, ultimately you

1 would defer to an obstetrician/gynecologist as to
2 how long delivery could have been delayed in this
3 case?

4 A That is correct.

5 Q All right. I mean, can we agree though
6 in generalities, that regardless of any
7 interventions that could have been taken or should
8 have been taken, however you want to it put it,
9 that Shane Maslanka was going to be a premature and
10 low birth weight infant?

11 A No, we can't agree on that.

12 Q Why not?

13 A Because we recently had babies that are
14 surviving in our institution that ruptured their
15 membranes at 18 weeks and went to 28 weeks. While
16 if she did have ruptured membranes, and that's an
17 assumption, we don't know that she wouldn't have
18 gone to 34, 35 weeks, a gestational age which would
19 have had far less risk of complication.

20 Q How is it that you maintain a pregnant
21 woman with rupture of membranes for 10-plus weeks?

22 A If they don't get infected and the baby
23 has well-being, they can go that long. There's a
24 recent article, if you're interested in this, that

1 I just printed off for my colleagues from Europe, I
2 think it was the "European Journal of Obstetrics
3 and Gynecology" or something of that nature, so.

4 So there's -- there's certainly
5 literature to support that as long as there's fetal
6 well-being, you may be able to go quite a time with
7 a premature rupture of membranes. We have two
8 babies in the nursery right now that are living
9 proof.

10 MR. KULWICKI: My daughter's living proof,
11 three months.

12 THE DEPONENT: Three months rupture?

13 MR. KULWICKI: Yeah.

14 THE DEPONENT: It happens. It's not common
15 but it happens.

16 MS. REID: All right. That's the point I was
17 going to get to is that --

18 A Well that's an opinion that you have to
19 get from an obstetrician not from me.

20 Q Okay. And so you're not going to weigh
21 in to a reasonable degree of medical probability as
22 to how long the delivery could have been delayed in
23 this case?

24 A No, I'm not going to weigh in on that

1 point.

2 Q All right. Can we agree, Dr. Sherman,
3 that complications of prematurity and low birth
4 weight account for the majority of perinatal
5 morbidity and mortality?

6 A That's kind of a broad question that I'm
7 not -- I'm not quite getting the meaning of.

8 Q All right. Fair enough.

9 The delivery of a premature or low birth
10 weight infant can cause morbidity and mortality; we
11 can agree to that?

12 A We can agree to that.

13 Q And low birth weight or premature infants
14 have a greater probability of developing morbidity?

15 A That's generally true in broad terms,
16 yes.

17 Q Okay.

18 A But term infants, there's a large number
19 of term infants that have cerebral palsy without
20 any known risk factors as well.

21 Q Right. But --

22 A "But" is the -- you know.

23 Q But -- but infants that were premature or
24 born with, actually, in this case, a very low birth

1 weight, they're at risk or have a great deal of
2 probability of developing cerebral palsy, as well,
3 correct?

4 A Babies born at 27, 28 weeks gestation
5 will have some increase risk. However, I have now
6 many, many babies born at 27, 28 weeks that
7 actually send me their graduation announcements
8 from college and send me their wedding
9 announcements. So I have many, many very normal
10 functioning 27-weekers at the present time --

11 Q All right.

12 A (Continuing)--provided they got good
13 obstetrical care and good neonatal care.

14 Q Now, but at 20 -- in general terms,
15 though, a 27-weeker born at 1100 grams is -- has a
16 greater probability of developing cerebral palsy
17 and other potential complications than a term 3,000
18 gram baby; can we agree upon that?

19 A We could agree upon that. But I think if
20 you looked at the recent literature, the outcome
21 for babies at 27 to 28 weeks is now considered to
22 be far, far better than it was 10 or even 20 years
23 ago.

24 Q Right, and I understand that, and that's

1 why I'm talking in terms of probability related to
2 a full-term normal birth weight infant.

3 A Well we're not -- we're not doing a
4 neonatal consult here in discussing the pros and
5 cons of delivery with the parents. For any
6 individual baby, you know, there may be a potential
7 for increased risk. But it's our duty to practice
8 good obstetrics and good neonatal medicine and
9 prevent those complications that might lead to
10 increased morbidity.

11 Q I'm assuming in this case, and perhaps
12 now is a good time, that you are going to have
13 criticisms of the neonatologists and the care
14 provide to Shane Maslanka in the immediate -- no --
15 in the NICU; is that correct?

16 A That's correct.

17 Q All right. Why don't you go through
18 because -- and if you could, in list fashion, tell
19 me what those criticisms are going to be.

20 A Well, I think the only really cogent way
21 we can do that is to go through -- and I apologize,
22 this record is not Bate stamped, so we'll have to
23 refer to certain aspects of it. But what I'm going
24 to do right now is -- is go -- I'm starting to go

1 through the progress notes. Okay?

2 Q All right.

3 A And the first -- the first thing that I
4 note is that on 8-1, and I really don't know who
5 wrote the admission note, it's not identified as a
6 resident, but it must be a resident because the
7 person subsequently identifies them as such.

8 And this person actually somehow knew
9 that there was a positive Group B strep culture of
10 less than 10,000 colonies on June 28, and also knew
11 that there was a pelviectasis on the fetal
12 ultrasound that was done on 7-12.

13 So this person that wrote the admission
14 note obviously had access to records that provide
15 that information, which would have identified this
16 baby as a 27-week gestation based on an EDC of
17 10-31, 2001.

18 The person does not mention in that
19 initial examination a murmur. And we go on to then
20 look at Dr. Kumar's note from the 1st which talks
21 about the slightly dilated right kidney, without
22 really defining what the abnormality was. And in
23 his note, he says that the GBS status is unknown,
24 something that is not correct.

1 And you'll note on this examination of
2 Dr. Kumar, there is no physical examination or
3 description of the infant. He gives only one
4 saline bolus for a low blood pressure of 39 over
5 19, a low diastolic pressure, and says the baby
6 will receive additional fluid boluses and
7 vasopressors as necessary. So he's concerned about
8 low -- low blood pressure.

9 Now, he never verifies the examination of
10 the admitting physician who does do an
11 examination. He never discusses that he -- he
12 never -- he never verifies that they've discussed
13 the management, and that they have come to
14 agreement of what the management will be. That's
15 what we call a compliance violation, which
16 ethically needs to be potentially reported to the
17 government accounting office since this was a
18 Medicaid patient.

19 I think the next deviation from the
20 standard of care besides doing -- not doing a
21 proper physical examination is that on the next
22 day, the 2nd, the same person who evaluated the
23 baby with the physical exam notes that there is --
24 that the baby has a positive PDA murmur. And right

1 after that, he indicates that the dopamine was
2 increased from 10 to 12 mics.

3 Certainly if you have a ductus with large
4 ductal runoff, the baby will be hypotensive. And
5 they record the lowest blood pressures as 34 over
6 18. They record the average map on that as 26.
7 This would suggest that the baby might have a
8 hemodynamically significant ductus arteriosus.

9 Now, that would suggest that a
10 echocardiogram should have been ordered on the 2nd
11 to assess the severity of the ductus. And, in
12 fact, on the 3rd, it did reveal left atrial and
13 left ventricular dimensions were increased.
14 Indicating it was a hemodynamically significant
15 ductus that was going left to right at both the
16 foraminal valley and at the ductus arteriosus. And
17 would be certainly treating a ductus that is
18 present and was hemodynamically significant in a
19 27-weeker, should have been begun on the 2nd.

20 Now, it was predetermined that they were
21 going to get an ultrasound on the third day after
22 birth without actually looking at the patient and
23 evaluating how the patient was doing.

24 Now, there's two issues that I'd like to

1 cover right now, and they have to do with the care
2 of the infant from a respiratory standpoint. You
3 can easily look at the blood gas values on the
4 first and second days. And if you would like, I
5 can go back to those values, those arterial blood
6 gas samples, and you will find that there are a
7 number of samples that have PAO2's above a hundred
8 tore.

9 And that deviates from the standard of
10 care as outlined in the Manual of Neonatal Care
11 that I mentioned to you, where people will talk
12 about 50 to 70, or 55 to 80 is the partial pressure
13 of oxygen. And when you don't wean like that, you
14 potentially will dilate the ductus more. You
15 potentially will cause pulmonary injury, but most
16 importantly, will increase the risk of retinopathy
17 to the patient.

18 In addition, there were some PCO2's which
19 were in the twenties, and those PCO2's could be
20 associated with a reduction in cerebral blood
21 flow. Certainly, a large patent ductus will be
22 associated with a reduction in cerebral blood flow
23 as a result of what we call a ductal steal.

24 That's the reason why the ductus

1 arteriosus is treated. That's why indomethacin is
2 given prophylactically to avoid intracranial
3 hemorrhage in babies of this gestational age.

4 And so the blood goes back to the lung
5 rather than going to the cerebral circulation,
6 creates an ischemic event, which then later in the
7 course of the hospital stay can be associated with
8 periventricular leukomalacia due periventricular
9 ischemia.

10 But there was probably other factors that
11 resulted in periventricular leukomalacia since it
12 appeared at about four weeks of time, suggesting
13 that timing was around the time of birth. And
14 those factors include the fact that the baby had
15 fetal bradycardia. Consideration was given to
16 potentially delivering the baby by cesarean
17 section. Afterwards, the baby persisted in having
18 decelerations up until the time of delivery.

19 And if we look at the fetal monitoring
20 strip, the very last two panels on it, we'll see
21 that at the end of the fetal monitoring strip --
22 and I'll identify the panels for you. Starting at
23 about 6:31, there appears like a bradycardia starts
24 to occur. And through 6:35, 6:38, the fetal heart

1 rate is about 90 a minute. And then continues to
2 be 90 or less than 90 per minute until the delivery
3 after 6:45. So that's a prolonged period of
4 bradycardia.

5 When the baby is resuscitated, the baby
6 will get a reperfusion injury of the brain, and
7 along with high oxygen values in the intraarterial
8 blood, the baby will also get a reoxygenation
9 injury to the brain.

10 Both of those can result in problems that
11 could ultimately end with a Grade 3
12 interventricular hemorrhage and/or periventricular
13 leukomalacia. And those two complications can be
14 interlinked to some extent, as well.

15 If we then look at Dr. Kumar's note from
16 August 2, we will find that again there is no
17 physical examination of this infant. There
18 actually is no mention of a murmur consistent with
19 a patent ductus arteriosus.

20 He does note the sodium of 150 and a
21 chloride of 117. But in fact, the sodium was much
22 higher than that, and the chloride was much higher
23 than that. And there is a -- the fluids that were
24 ordered for this baby had no sodium in them, they

1 only had calcium in them.

2 The only sodium source that the baby
3 received was the bolus of saline for the
4 hypotension on 1, August. So how did the baby --
5 and this was a fairly large baby -- how did this
6 baby get such high sodiums? High sodiums by
7 Dr. Coulter have been associated with
8 interventricular hemorrhage.

9 How this undoubtedly occurred is that a
10 procedure was done, which I have never experienced
11 in 30 years of doing neonatology, and that is doing
12 an amnioinfusion with saline on a 27-week gestation
13 fetus.

14 Now, as the baby had fetal bradycardias,
15 the baby would most likely gasp and certainly would
16 have inhaled or aspirated saline into the lungs.
17 The baby would also have fetal swallowing, which
18 would load the baby with sodium.

19 So the only firm explanation for the
20 hypernatremia, which was -- which very likely could
21 have been associated with brain injury came from
22 the amnioinfusion with the saline.

23 Again, this was not recognized as the
24 cause by Dr. Kumar in his discussion. And again,

1 we have a very cryptic discussion here of the
2 baby's status, with no discussion or confirmation
3 of the physical examination, no plan to explore the
4 presence of and significance of a ductal murmur on
5 the 2nd of August.

6 And certainly, in my opinion, the ductus
7 was hemodynamically significant, the echocardiogram
8 confirms that. And it was probably a major need --
9 was a major cause of for the need of assisted
10 ventilation in this infant.

11 On the day that a ultrasound was
12 obtained, which is the 3rd again this resident says
13 that the baby's on 12 mics of dopamine. In other
14 words, the diastolic pressures were as low as 16.
15 That is fairly indicative of a diastolic runoff
16 associated with a significant PDA.

17 The heart rate was up as high as 180.
18 Again, associated with increased volume overload on
19 the left ventricle and associated with the left
20 ventricular dilatation.

21 The baby is noted again to have a Grade 2
22 over 6 murmur, consistent with a patent ductus
23 ateriosus. Again, the resident notes hypernatremia
24 in the form of a sodium of 154.

1 (Whereupon a short recess
2 was taken.)

3 THE DEPONENT: Okay, let me go back just
4 restating that this baby at this time had low
5 diastolic pressures, a diastolic pressure as low as
6 16, an elevated heart rate of 180, was requiring 12
7 mics of dopamine to provide cardiovascular support.

8 The baby had a base deficit, on the note
9 by the resident, of minus 7; a metabolic acidosis
10 associated with patent ductus arteriosus. There was
11 a patent ductus murmur present. And the baby also
12 had continuing hypernatremia with a sodium of 154
13 and a chloride of 121, which also contributes to
14 metabolic acidosis.

15 Now, on this date of the 3rd, you will --
16 it is stated in the impression that there was a
17 Grade 2 IVH, that is not exactly -- that's not
18 correct, based on the text of the report. There
19 certainly was a subependymal hemorrhage or germinal
20 matrix hemorrhage present, but -- and that
21 hemorrhage was said to be, perhaps, not occurring
22 at that time.

23 The baby had a slightly cystic
24 characteristic to that germinal matrix hemorrhage.

1 There was no description of clot within the
2 ventricle. And there was no description of the
3 ventricle being dilated in any way.

4 So it was an assumption that there could
5 be a Grade 2 hemorrhage. It is difficult to
6 understand why there would be a Grade 2 hemorrhage
7 for the following reasons: If there was a clotted
8 hematoma in the germinal matrix, why would there
9 not have been clotted blood in the ventricle.

10 Moreover, the next day, coagulation
11 studies were performed. I believe that the PT was
12 13, the upper limits of normal was 12.9. The PTT
13 was 60, their normal level was 32. But I'm certain
14 that that specimen was drawn from umbilical
15 arterial line, and the heparin in the umbilical
16 arterial line will interfere with the PTT value.

17 Additionally, the fibrinogen was normal
18 on the 4th. And the -- there was no evidence of a
19 coagulopathy based on fibrin degradation products
20 or D-dimers. Also, the platelet count was normal.
21 Therefore, there was very little indication from
22 the medical record that there was ongoing bleeding,
23 which would exclude the use of indomethacin.

24 And, in fact, on the 3rd, there was no

1 coagulation studies ordered that would be required
2 if there was bleeding, so that those coagulation
3 factors could be replaced and further bleeding
4 minimized.

5 So that in toto is a deviation from the
6 standard of care from the standpoint of not trying
7 to prevent bleeding if they believed it was
8 present. However, it's -- the report is very
9 cryptic as to whether there is in fact Grade 2
10 hemorrhage present, and, in fact, it's not
11 supported by other facts in the medical record.

12 There is the suggestion that they would
13 not use indomethacin but try to manage with fluid
14 restriction because of interventricular
15 hemorrhage. But, in fact, the literature by Ment
16 and others -- M-E-N-T -- would suggest that
17 indomethacin in fact is used to prevent
18 interventricular hemorrhage, not cause it.

19 And there's nothing to support in the
20 literature, in the absence of any active bleeding,
21 and the physicians in this case had no indication
22 of any active bleeding, there was no evidence of
23 glitter formation or Doppler evidence of active
24 bleeding in the ventricle that's described in the

1 report of the 3rd.

2 Now, probably more worrisome than
3 anything is that there is no note by Dr. Kumar on
4 the 3rd, at least in the records that I have. So I
5 would ask who was managing this patient and who was
6 making decisions of a critical nature since the
7 patent ductus arteriosus, if it's not taken care of
8 on the 2nd and the 3rd, certainly increased the
9 risk of intracranial hemorrhage, particularly
10 interventricular hemorrhage, and a patent ductus
11 arteriosus also increases the risk of worsening
12 chronic lung disease, both of which occurred in
13 this case.

14 The first note that does appear by
15 Dr. Kumar is on the 4th, and it actually states
16 that -- it mentions nothing in the note on the 4th,
17 other than at the beginning of the note, it talks
18 about last night there was a base deficit of minus
19 10.7; that the heart rate and blood pressure remain
20 normal.

21 However, that may not be the case if one
22 looks at the vital signs. And one cannot assume
23 that when a baby is on a dopamine of 12 mics per
24 kilo per minute, as he puts in his note.

1 There he states that there is a Grade 2
2 over 6 diastolic murmur but he doesn't provide any
3 more information about his own examination to
4 determine whether this is a hemodynamically
5 significant ductus, such as visible axillary
6 pulses, an active precordium, a bounding dorsales
7 pedis pulse, or other physical characteristics that
8 would suggest that a hemodynamically significant
9 ductus was present.

10 In his note he still mentions that the
11 sodium is 149. And in fact, in this time frame,
12 actually -- in this time frame actually started a
13 sterile water drip into the stomach to try and
14 treat the hypernatremia; therefore, they considered
15 it an extremely dangerous situation to have
16 hypernatremia because sterile water drips are
17 themselves potentially associated with intestinal
18 perforation.

19 In his note of the 4th, he says, and I
20 quote: A head ultrasound last evening showed a
21 Grade 2 -- a Grade 2 IVH, and hence -- and hence,
22 despite a cardiac echo showing no ductal patent
23 lesion with a patent ductus, treatment with
24 indomethacin was deferred for the time being.

1 And in fact, that might not be what a
2 prudent neonatologist under similar circumstances
3 would have concluded, and would have performed
4 additional studies to confirm whether the baby
5 could or could not be treated with indomethacin.

6 Moreover, since he mentions that this
7 head ultrasound was done last evening, it actually
8 was done at 4:30 in the afternoon, I actually would
9 have to conclude that he did not examine nor know
10 anything about the head ultrasound when it was done
11 on the 3rd. And no note by him reflects his
12 management of the patient on the 3rd.

13 We can go on. Ultimately, we can go on
14 with other aspects of the care. If this ductus was
15 hemodynamically significant and there was the
16 concern of bleeding, we don't know why they waited
17 from the 3rd to the 4th to do coagulation studies.
18 That's a significant delay in determining the
19 coagulation status of the patient.

20 The patient went on to continue to have a
21 patent ductus arteriosus. Patent ductus arteriosus,
22 if left untreated, is associated with worsening of
23 interventricular hemorrhage. This hemorrhage
24 became a Grade 3 hemorrhage, it's also associated

1 cerebral ischemia, which can lead to
2 periventricular leukomalacia, and it can also
3 result in pulmonary hemorrhage.

4 And I quote from later in the record
5 where Dr. Kumar states -- and I'll get the exact
6 reference -- after a pulmonary hemorrhage had
7 occurred, he says, on the 7th of August: We will
8 consult the ENT service for possible bronchoscopy
9 to identify possible cause of bloody secretions.

10 Bloody secretions are a classic finding
11 associated with patent ductus arteriosus, pulmonary
12 edema, which was probably a major factor even on
13 the day one, day two of life, and went untreated.

14 Also higher up in that note, he says:
15 We're -- the baby is also receiving fresh frozen
16 plasma because of a PT of 14, which isn't that
17 prolonged; an INR of 1.3, and a PTT of 81.

18 Again, the PTT of 81 would actually
19 require thrombin time because PTTs would not be
20 reliable on a sample drawn from an arterial
21 catheter with heparin in it.

22 The baby goes on -- if the baby had a
23 significant ductus that was leading to pulmonary
24 hemorrhage resulting in a coagulopathy, in fact,

1 the baby, probably based on what we were seeing,
2 extended the hemorrhage, and it probably became a
3 Grade 3 somewhere between the 6th, 8th and 9th.

4 And it very causally could be related to
5 hypernatremia to the patent ductus arteriosus. And
6 the events associated with fetal heart rate
7 decelerations followed by reperfusion,
8 reoxygenation injury after birth.

9 The baby, if the baby was that ill, and
10 it wasn't that ill because the baby was not
11 receiving high-level ventilator support, and was
12 not on high oxygen, could have easily had a
13 surgical ligation of the ductus to take it out of
14 the realm of a problem for this infant.

15 If they were concerned that there was an
16 interventricular hemorrhage, that would preclude
17 the use of indomethacin, but that conclusion is
18 less than obvious from the medical records.

19 Again, on the 8th, it says he has been
20 scheduled to have an ENT evaluation and possible
21 bronchoscopy regarding the cause of the bloody
22 secretions, but now he was -- he has extubated and
23 is doing well. So again, a conflict in terms, a
24 conflict of actually looking and understanding

1 what's going on with this patient.

2 I will note that during all Dr. Kumar's
3 typewritten notes, there is not one of them, one --
4 not one note that describes a physical examination
5 with vital signs; what's happening in the ear, nose
6 and throat; what the chest sounds are like.

7 Finally, we see that he's taken the note
8 of the resident and he puts down on the 9th his
9 abdominal examination is soft, nondistended,
10 nontender -- well -- but urine output is falling.

11 And we go on to continue to have problems
12 for an extended period of time, another ten days
13 after the 9th. And finally on the 19th, a ductal
14 ligation is performed. And I think any prudent
15 neonatologist would ask why it took so long.

16 Now let us address the issue of the
17 assumption that this baby had some type of early
18 onset infection. And I will --

19 MS. REID: Q Doctor, let me stop you there.
20 I mean, when you talk about the early onset
21 infection, I'm assuming you're going to respond to
22 Dr. Martin's report?

23 A In part. But I'm also going to look at
24 the clinical data in the record, okay, in both the

1 maternal record and in the baby's record, okay, and
2 see if that's a reasonable assumption based on the
3 fact that many people consider me an expert in the
4 area of early onset neonatal infection and in
5 maternal chorioamnionitis.

6 Do you want me to proceed?

7 Q Yeah, go ahead.

8 A So this lady's -- when she presented, the
9 fetus had a heart rate of 150. There was no
10 indication that it was an unhealthy fetus. They
11 described heart rate accelerations. Babies who are
12 infected typically have an elevated heart rate,
13 typically above 160. And the heart rate has
14 reduced variability, you usually don't see heart
15 rate accelerations.

16 In addition to that, the obstetrical
17 records very clearly state that the abdominal
18 examination reveals a nontender uterus. The
19 amniotic fluid is described as clear. There is no
20 indication that there's foul smelling amniotic
21 fluid. And there was clearly no abruption, which
22 can be associated with infection.

23 Then you go to the baby. The baby,
24 despite what I would consider a less-than-optimal

1 intrapartum course, had reasonable APGAR scores for
2 a baby of 27 weeks gestation. And babies who have
3 serious life-threatening infections at the time of
4 birth have very low APGAR scores and often require
5 immediate intubation.

6 This mother, although she was GBS
7 positive, did not receive any penicillin, an order
8 was written and then canceled. And so she received
9 no intrapartum antibiotics; therefore, if the baby
10 was bacteremic, you would more readily obtain a
11 positive blood culture.

12 Also there is no discussion here.
13 Oftentimes congenital bacterial pneumonia goes
14 along with bacteremia at birth, and there was no
15 tracheal aspirate obtained to look for bacteria.
16 The lungs should be sterile at birth, and in fact,
17 the lungs showed clearing according to the
18 descriptions of the radiographs in the chart,
19 indicating that the lungs looked more congestant --
20 congested, again, consistent with congestive heart
21 failure from a patent ductus arteriosus.

22 The whiteout lungs were undoubtedly a
23 complication of the saline infusion that occurred.
24 The interamniotic infusion of saline, which I've

1 never seen before in a baby of 27 weeks gestation,
2 but could have, as it did in this case, disastrous
3 consequences for the brain and the lung.

4 The baby had a white count of around 4 --
5 or around 4 to 5,000 at the time of birth, but had
6 28 pollys, an adequate absolute neutrophil count
7 and either zero to one band. This would mean that
8 the baby had a very low immature to total
9 neutrophil ratio, it did not rise to any
10 appreciable extent. One would expect the white
11 count to fall further and the IAQ ratio to increase
12 if this baby had a life-threatening infection.

13 So there is no indication that the white
14 count here reflects, other than the fact that the
15 father of this baby was African-American, and we
16 know and is published well in the literature by
17 Bob Christiansen and others -- that's spelled:
18 S-E-N, Christiansen, Robert -- that
19 African-American babies can have, at birth, normal
20 low white blood cell counts.

21 It is stated by Dr. Martin that this baby
22 had neutropenia. Neutropenia in an
23 African-American baby can be normal, particularly
24 in the context of the lack of a falling white

1 count, a rise in the immature total neutrophil
2 ratio, a negative blood culture, and a host of
3 other factors in the mother that did not suggest
4 chorioamnionitis.

5 There is no indication, okay, from the
6 description of the placenta that this baby had what
7 we call funisitis, an inflammation of the umbilical
8 cord which has to be associated with serious
9 neonatal infection and a subsequent and ultimate
10 adverse neurologic outcome.

11 It -- it -- the metabolic acidosis and
12 the need for pressor support are very adequately
13 explained by the presence of a hemodynamically
14 significant ductus.

15 And the statement made by Dr. Martin
16 regarding the neutropenia and the fact that PVL
17 would be caused by intrauterine infection are
18 absolutely not supported by the facts in this case.

19 And I will work tirelessly with
20 Mr. Kulwicki in this regard before and at the time
21 of trial, since I really truly am an expert in this
22 field.

23 So the assumption that this baby had an
24 infection, the premise is completely false. The

1 baby did subsequently have a bacteremia with
2 coagulates negative staph, that was after the baby
3 received three days of dexamethasone.

4 In the middle part of 2001, it was well
5 known that the administration of postnatal
6 dexamethasone was largely abandoned as a way to get
7 babies off assisted ventilation because there was a
8 significant increase risk of producing cerebral
9 palsy long term in those particular infants.

10 The administration of dexamethasone also
11 could have interfered with host defenses that led
12 to the baby getting coagulate negative
13 staphylococcal infection, something that we know
14 now is a cause of long-term morbidity. Recent
15 papers have indicated that nosocomial infections
16 are associated with an increase risk of cerebral
17 palsy.

18 Finally, there are many things that could
19 have been undertaken as far as the neonatal care of
20 this infant which could have resulted in a far
21 different outcome. But the real thing here that
22 could have markedly affected the outcome, and which
23 is most disturbing to me because this case would
24 have been referred to an internal QA, or quality

1 assurance examination, was the delivery of this
2 baby without knowledge of the 7-12 ultrasound
3 report.

4 That dates the baby to exactly the same
5 gestational age obtained by Dr. Kumar in his
6 physical examination of the infant. There was no
7 ultrasound done to evaluate whether there was
8 rupture of membranes or what the fetal size was or
9 what the maturity of the infant was. There was no
10 knowledge, at least as far as I can tell from the
11 obstetrical record, of that 7-12 ultrasound or the
12 Group B strep results.

13 And it's what we call a system failure.
14 In other words, there was a lack of transfer of
15 outpatient information critical for the proper care
16 of this fetus and the fetus's mother to the doctors
17 providing the care.

18 And that is why I say either expected
19 management or management that would involve
20 tocolysis and the administration of betamethasone,
21 which would decrease significantly the incidence of
22 the ductus arteriosus, interventricular hemorrhage,
23 necrotizing enterocolitis, and perhaps other
24 morbidities was not offered to this fetus and was

1 detrimental to the baby's ultimate outcome.

2 So this was in toto, if reviewed in most
3 QA settings in which I've dealt with for the past
4 30 years, this would have been felt to be a
5 preventable morbidity in this infant, that is more
6 likely than not, and meets the test of deviations
7 of the standard of care, resulted in serious injury
8 to this fetus and to the newborn afterwards.

9 Q Are you through, Dr. Sherman?

10 A Probably not. But I will give -- I'm
11 getting tired of talking.

12 Q Well -- I mean, you've given me a
13 synopsis, so to speak, of your opinions in this
14 case; is that fair to say?

15 A That's correct.

16 Q All right. I mean, we may explore some
17 more of the basis of those opinions as we move on.
18 But if I take what you've just listed for me, would
19 I be correct in saying that summarizes all of your
20 opinions in this case?

21 A I wouldn't say that it summarizes all of
22 my opinions. We would probably have to go through
23 page by page through the laboratory studies, the
24 X-rays, the progress notes.

1 There is one piece of information,
2 because it is difficult to provide large volumes of
3 records, Mr. Kulwicki has not provided me with the
4 nursing notes. And I need to look at those nursing
5 notes to actually confirm whether Dr. Kumar did
6 bedside examinations of the infant, which he did
7 not record in his progress notes. And only by
8 looking at the nursing records will I hope to find
9 that they said Dr. Kumar examined the infant.

10 Q All right. Anything else from the
11 nursing notes you feel like you need to take a look
12 at?

13 A Well, certainly in the period of time
14 through the first -- through the ductal ligation
15 and shortly thereafter, during the time when they
16 gave dexamethasone and when they extubated the
17 baby, and then they were -- had to reintubate the
18 baby because of the coagulates negative staph
19 bacteremia, it will be useful to look at how timely
20 they were in the recognition of the problems that
21 affected this infant.

22 Q Well, what information do you need to
23 explore that?

24 A I'll just look at the nurses' notes.

1 Q Okay. Have you requested those nurses'
2 notes from Mr. Kulwicki?

3 A We have discussed it but we thought at
4 this time that I have more than enough information
5 from the physician records to recognize that
6 deviations of the standard of care had occurred,
7 and that they were causal in injury to the baby.
8 The nurses' notes will be only confirmatory to some
9 of the statements I've made.

10 Q Are there any other portions of the
11 medical record that were not sent to you?

12 A Well one portion of medical record that
13 has not been sent to me is the follow-up care. And
14 certainly -- certainly, it's nice to look at the
15 follow-up characteristics of the infant and
16 translate it back to the neuroimaging of the baby.

17 However, I have two infants that I'm
18 currently caring for, one is a surviving twin of a
19 dead twin who has very severe periventricular
20 leukomalacia. And another baby who had congenital
21 cytomegalo virus infection with interventricular
22 hemorrhage and severe periventricular ischemia with
23 severe PVL at the present time. And those babies,
24 our anticipation, since we have rehabilitation

1 already involved, will be severe.

2 My anticipation in this case, is that
3 this baby will need considerable rehabilitative
4 services. But I will really need to correlate
5 current status by a neurologist or psychologist or
6 both with the clinical record from the intrapartum
7 period in the immediate postneonatal period.

8 Q So as far as --

9 A It won't change my opinions, if that's
10 what you --

11 Q No, no. I just want to make sure I
12 understand.

13 You haven't seen any records then after
14 Shane Maslanka was discharged from Metro on October
15 15 of '01?

16 A That's correct.

17 Q All right. As it relates to the Metro
18 record from 8-1-01 through 10-15-01, --

19 A Right.

20 Q (Continuing)--you mentioned you were not
21 provided nursing notes?

22 A Right.

23 Q Were there any other portions of that
24 record that weren't sent to you?

1 A Not to my knowledge. I have the
2 laboratory studies and I have the radiographic
3 studies and they appear to be quite complete, as
4 well as the physicians notes, within the -- there
5 are consultant notes, etc., that are provided, you
6 know, among those records.

7 Q They have the physicians' orders?

8 A A physicians' orders also appear to be
9 complete, that's how I know the dates and timings
10 of the administration of dexamethasone, fresh
11 frozen plasma, etc.

12 Q So as far as you know, the only thing
13 that was not sent to you from that confinement of
14 Shane Maslanka at Metro were the nurses' notes?

15 A That's correct. And that was by
16 agreement early on between Mr. Kulwicki and myself
17 because -- because the records were already
18 significant in their size.

19 MS. REID: David, do we have a time constraint
20 here?

21 MR. KULWICKI: I need to leave at 4:30 Central
22 Time, so 5:30 your time.

23 MS. REID: All right. I'm going to do the
24 best I can to get through this but --

1 MR. KULWICKI: Approximately 45 minutes.

2 MS. REID: Yeah. I may or may not get
3 through, I'll just let that out there.

4 MR. KULWICKI: Okay.

5 MS. REID: Q Doctor, I'm going to start with
6 your opinions and kind of go backwards from what
7 you were -- the narrative you gave me previously.

8 I want to start with this issue of
9 betamethasone. You're going to provided a standard
10 of care opinion as to whether or not betamethasone
11 should have been administered?

12 A No. My opinion only relates to the fact
13 that it would be preventative in the causation of
14 some of the complications that the baby
15 encountered.

16 Q Okay. Now I want to talk about that in
17 -- kind of in a step-by-step process. It's your
18 opinion, and I'm reading from your report, that the
19 administration of betamethasone would have either
20 -- would have resulted in absence or reduced
21 incidence and/or severity of intracranial
22 hemorrhage and periventricular leukomalacia,
23 correct?

24 A That's correct.

1 Q All right. Let's talk about the
2 intracranial hemorrhage first. What is your
3 opinion -- and the reason why I want -- I just want
4 to be more -- get more specific as to the, you
5 know, how strong your opinions are as to each of
6 these entities.

7 Is it your opinion to a reasonable degree
8 of medical probability that had betamethasone been
9 administered, Shane Maslanka would not have
10 suffered intracranial hemorrhage?

11 A He would have either not suffered it at
12 all or it would have been reduced. And that's to a
13 reasonable degree of medical probability.

14 Q All right. Well, can you be any more
15 specific as to whether it -- it would have been
16 absent, would have been reduced, to what degree it
17 would have been reduced, or is that something you
18 can't be more specific about?

19 A That's something you can't be specific
20 about. There's a wealth of literature out there
21 that would indicate that it would be reduced. I
22 don't think you know in any particular baby where
23 there's multiple injuries that occurred in the
24 intrapartum and postnatal period that were due to

1 deviations from the standard of care. I don't
2 think that it's easy to separate and do -- find
3 nuances of what the outcomes would have been.

4 Q When do you believe the interventricular
5 hemorrhage in this case began?

6 A Well, I'm not -- I can't be convinced,
7 and we'll see, there will be a neuroradiology
8 expert that will review the ultrasounds, according
9 to my discussions with Mr. Kulwicki. But
10 certainly, I believe somewhere between the --
11 somewhere the 6th to 9th, there may have been an
12 extension of bleeding to a Grade 3 hemorrhage.

13 There could have been bleeding, perhaps,
14 even on the 4th. But since we don't have any
15 imaging to follow-up the ultrasound of the 3rd,
16 despite the high risk situation that existed, we're
17 not going to know.

18 Q Well, you've read the report of
19 Dr. Marilyn Segal; is that correct?

20 A Yes, I have.

21 Q Do you have any reason or basis to agree
22 or disagree with her opinions regarding the timing
23 of the bleed?

24 MR. KULWICKI: Objection. You can answer.

1 THE DEPONENT: Well, very simply, her
2 conclusions don't fit with other aspects of the
3 medical record, and we've talked about that before
4 with regards to the presence of coagulopathy. And
5 I think -- I think there will be an expert that
6 will render an opinion --

7 MS. REID: Q Well, I mean, there is no expert
8 at this point in time and --

9 A Well, but the thing is if it comes to
10 that, I'll look at the films myself and make a
11 conclusion, okay, and I'm quite capable of doing
12 that. Okay.

13 But at this time for you to make the
14 assumption that there was a Grade 2
15 interventricular -- intraventricular hemorrhage
16 that was bilateral on the 3rd is not supported by
17 the report that's in the medical record.

18 Q So you don't even believe there was a
19 interventricular bleed as of August 3?

20 A I don't know whether there was or
21 wasn't. All that I'm telling you is that they're
22 using the term Grade 1 to Grade 2 -- is an iffy
23 term. That all that means is that probably we need
24 to look again to see what is going on.

1 And in fact, most radiologists, that I'm
2 aware of, give you a timing of when they'd like to
3 look again to confirm whether there is or isn't a
4 Grade 2 hemorrhage present. That was not the case
5 here.

6 Q Well, you're not going to testify as to
7 the standard of care of a radiologist in this case,
8 right?

9 A No, I'm not. But you'll have to deal
10 with that fact.

11 MR. KULWICKI: Chris, let's go off the record
12 for a second.

13 (Discussion off the record.)

14 MS. REID: Q Dr. Sherman, before we took our
15 break, we were talking about Dr. Segal's report,
16 and you had mentioned to me that her opinion
17 doesn't fit the clinical picture in this case; is
18 that what you said?

19 A Yes.

20 Q Tell me what you mean by that.

21 A Well, the -- one would have anticipated,
22 if you had clotted blood in the sub -- in the
23 general matrix, if you had an interventricular
24 hemorrhage, you would have had clotted blood within

1 the ventricle, and there's no description of clot
2 by the radiologist at MetroHealth.

3 In addition to that, if you have a
4 serious intraventricular hemorrhage, oftentimes it
5 will be manifest by alterations that are
6 significant in the prothrombin time, the INR, and
7 in the fibrinogen.

8 The PT and INR will be significantly
9 prolonged, the fibrinogen may be abnormally low,
10 and the platelet count may be abnormally low. And
11 in this instance, none of those things had
12 occurred, so making the assumption that -- that
13 there was some type of serious bleeding going on is
14 simply not demonstrated by the laboratory facts.
15 And there's no mention in the clinical record
16 whatsoever of pulmonary hemorrhage, skin bleeding,
17 or any other type of disorder that would be
18 associated with bleeding.

19 So in addition to that, the baby has not
20 had seizures, the baby's not obtunded, the baby's
21 not making abnormal movements, the baby's not
22 having an encephalopathy that's described by the
23 caregivers. So none of the things that we might
24 have associated with an interventricular hemorrhage

1 are not substantiated in the clinical laboratory
2 records.

3 Q All right. And I just wanted to make
4 sure I'm understanding this.

5 You understand that it's Dr. Segal's
6 opinion that this hemorrhage occurred in utero,
7 correct?

8 A Well, I guess under that circumstance,
9 since you're making that assumption, then for sure
10 the blood should have been clotted in the ventricle
11 since you've made that -- that -- that comment.

12 One would assume that if there's clot and
13 there's a cystic change in the subependymal and the
14 germinal matrix hematoma, that there should have
15 also been clotted blood and a blood clot within the
16 ventricle. And she -- there's no mention of that
17 on the record.

18 Now, let me -- let me read very closely
19 because this was just given to me earlier today
20 about her opinions. It says that the blood is
21 several days old. Okay. This was done on the
22 3rd. Okay. The mother was in labor -- or I'm not
23 -- I really can't say whether she was or wasn't in
24 labor really, that's a conclusion of the

1 obstetrician.

2 But she was -- she was -- she was
3 presenting in the intrapartum period for a period
4 of time and there was stress placed upon her by the
5 administration of Pitocin, by the amnioinfusion,
6 etc., etc. So there would be ample opportunity,
7 with the decelerations, for the baby to have a
8 hemorrhage related to the intrapartum care that was
9 given by the obstetricians.

10 And so it may be that it is several days
11 old but caused by the care delivered by the
12 obstetricians. But in no place does she clearly
13 state, that I can say here, other than she says
14 that the cystic change and the periventricular brain
15 tissue supports an intrauterine injury. Okay.

16 Well as you're probably well aware, Grade
17 1 intracranial hemorrhages or subependymal
18 hematomas carry a 90 percent or better chance of
19 being totally neurologically normal later on. And
20 so if that was the thing that occurred, the outcome
21 for the baby would still be -- the prognosis would
22 still be excellent. And you can't exclude the fact
23 that the injury was not caused by the intrapartum
24 obstetrical care.

1 Q We're not communicating here. And I'm
2 obviously reading Dr. Segal's report differently.
3 So let me ask it this way: Let's assume for the
4 purposes of this question that the hemorrhages
5 occurred in utero.

6 A Right.

7 Q If we assume that, would you still expect
8 to see alterations in the coagulation studies
9 during the initial neonatal period?

10 A If the -- if the bleeding -- you know,
11 because she has this cystic change, appears 10 to
12 14 days, you know, before, and you're more likely
13 to have coagulation abnormalities if you have an
14 intraventricular hemorrhage: I-N-T-R-A. Okay.
15 Subependymal bleeds, in my experience, rarely cause
16 coagulopathy problems, okay, as opposed to
17 intraventricular hemorrhages because the
18 interventricular hemorrhages release much more
19 brain thromboplastin, which sets off the
20 coagulopathy cascade. So you've answered your own
21 question.

22 If -- if, as a hypothetical, the
23 subependymal hemorrhages that occurred 10 to 14
24 days before when there may have been no

1 coagulopathy associated with them, okay, and if
2 there had been, chances are, it would have
3 recovered by the time the baby was born.

4 But those -- again, those may require
5 conclusions on the part of an obstetrician, not a
6 neonatologist.

7 Q Doctor, you stated earlier that in your
8 opinion betamethasone would have either eliminated
9 or reduced the incidence of the intracranial
10 hemorrhage. Are you aware of whether any
11 double-blind studies have been done and reported in
12 the literature to support that position?

13 A The -- there are a variety of descriptive
14 studies that have done just that. And in fact, the
15 National Institutes of Health felt so strongly
16 about this issue that they actually held a national
17 conference and actually put out a consensus
18 statement to encourage the administration of
19 betamethasone in just this type of situation.

20 So I think when you have the National
21 Institutes of Health and a panel of quotes,
22 experts, behind the use of betamethasone, I think
23 -- I hope you can have some expert that is maybe
24 bigger than God.

1 Q When was this consensus statement
2 published by the National Institutes of Health; if
3 you know?

4 A It's a monograph, and I forget the exact
5 year but -- I don't recollect, but it was -- I'm
6 pretty sure it was before the birth of this baby.

7 Q And they put together a consensus stating
8 -- statement setting forth when and under what
9 circumstances you should administer betamethasone?

10 A That's my recollection that they strongly
11 encourage the use of betamethasone. And then there
12 was people that tried to advocate that hospitals
13 undertake this.

14 This was, I remember, in the 19 -- 1996,
15 1998 period of time when I was at Texas Children's
16 Hospital that people were advocating the antenatal
17 use -- increasing the antenatal use of
18 betamethasone to prevent neonatal complications in
19 just this context. And we're in the process of
20 educating family practitioners and obstetricians
21 who cared for pregnant woman.

22 Q Does this literature that you describe
23 discuss the association between betamethasone and
24 reduced incidence of PVL, as well?

1 A I think that was among the complications
2 that they thought could be reduced. Okay. And
3 there's ever increasing literature over that time
4 to the present time that would suggest that's the
5 case.

6 But again, those would be questions that
7 I think would be best posed to an obstetrician or
8 perinatologist, he's probably the person that will
9 answer those questions. I think it will be very
10 difficult, given the literature, for anyone to
11 refute the benefits of betamethasone in reducing
12 the neonatal morbidity in extremely low birth
13 weight infants.

14 Q Can we agree, though, that the literature
15 or the scientific studies are less supportive of
16 the relationship between betamethasone and reduced
17 incidence of PVL?

18 A I think that's a question that is best
19 posed to an obstetrician or perinatologist, you
20 know, because they're the ones that are
21 administering it to reduce that complication. And
22 PVL is a complex pathophysiologic disease.

23 Q Absolutely. All right.

24 So you're not -- you don't feel

1 comfortable addressing that --

2 A Well --

3 Q (Continuing)--question as a
4 neonatologist?

5 A If -- if -- well -- when I meet with a
6 mother who might be in preterm labor or at 27
7 weeks, and there is no evidence of infection, as
8 there was in this case, I would strongly encourage
9 her to take betamethasone.

10 I did that consult just two nights ago.
11 And I also encouraged her to give betamethasone a
12 time to work to reduce those complications. And
13 she were -- and I encouraged her to do that by
14 receiving tocolysis until a 48-hour period had
15 taken place after she received the drug. So -- and
16 that's pretty standard fair of what neonatologists
17 doing intrapartum or antenatal consults would say
18 to a mother of a potential 27-week gestation baby.

19 Q All right. I understand that. I think
20 my question was different, more on an academic
21 standpoint as to the proven efficacy of
22 betamethasone and the prevention of PVL.

23 A Well --

24 Q I mean, those are two different --

1 A Well, I think that -- I think there is
2 reasonable evidence to say that it reduces PVL
3 because if it reduces the patent ductus arteriosus,
4 okay, or it reduces inflammation from
5 chorioamnionitis, then it would reduce PVL.

6 Because if you don't have ductal runoff,
7 you're not going to have hypotension in the
8 cerebrovascular. If you don't have a rigorous
9 cytokine response related to some type of subtle
10 infection of the utero placental unit then you're
11 going to reduce the occurrence of PVL.

12 And there's an article about antenatal
13 steroids reducing those kinds of complications, I
14 believe it's in "Obstetrics and Gynecology" in
15 2000.

16 Q Could you be any more specific about that
17 article?

18 A I'm not your expert. You'll have to have
19 your expert tell you which one.

20 Q I won't get into that battle with you
21 again because it sounds like it's not a winning
22 one.

23 A You're right there.

24 Q Well, it's not going to be a winning one

1 for you either, so.

2 A Don't bet on it.

3 MS. REID: Let's talk about -- well, David,
4 I'm going to get into the Doctor's opinions
5 regarding the treatment of the PDA.

6 MR. KULWICKI: Okay.

7 MS. REID: If you want me to get started, I
8 will. If you want me to stop, we can stop. It's
9 up to you. I won't be done in ten minutes.

10 MR. KULWICKI: Understood. Understood. Maybe
11 for purposes of making it contextual, maybe now is
12 a good time to break. And what we can do, I think
13 we ought to try to reschedule this as quickly as we
14 can so everybody's fresh and we don't have to
15 reinvent the wheel.

16 I don't know if you have your calendar
17 with you or your schedule or...

18 THE DEPONENT: I'm pretty filled up because
19 from the 16th of August to the 31st, I'm the
20 attending at St. John's.

21 MR. KULWICKI: Okay.

22 THE DEPONENT: Starting next week, I'm the
23 attending at Memorial Medical Center. I have
24 another deposition on the 8th. And there may be an

1 opportunity in the afternoon to perhaps do
2 something 9th, 10th, 11th, but I could be called
3 away for an emergency to the level 2 nursery.

4 MR. KULWICKI: Chris, how does your 9th, 10th
5 or 11th look?

6 MS. REID: I'm starting a trial on the 9th as
7 we speak right now, so, you know. Whether it goes
8 or not, we won't know. You know how that goes,
9 but.

10 MR. KULWICKI: And then, Doctor, you're off at
11 the end of -- beginning of September?

12 THE DEPONENT: Beginning of September, I think
13 I will have some open dates --

14 MR. KULWICKI: Okay.

15 THE DEPONENT: (Continuing)--in September.

16 MR. KULWICKI: Well, why don't we do this.
17 Why don't we tentatively schedule something for the
18 9th, 10th or 11th. Chris, if you go forward,
19 obviously this doesn't. And we will confirm this
20 and get back with everyone hopefully tomorrow or
21 early next week. Does that sound okay?

22 MS. REID: Sounds like a plan.

23 MR. KULWICKI: Okay. All right. We'll see
24 you, Chris.

1 MS. GUDGEL: This is the Court Reporter, I
2 need to find out what size you like your
3 transcript, Ms. Reid.

4 MS. REID: A mini script, please.

5 MS. GUDGEL: And you said you wanted an
6 E-Tran, earlier?

7 MS. REID: Yeah. Could you do that?

8 MS. GUDGEL: Yes. And is regular delivery
9 good?

10 MS. REID: Yeah. How long is that?

11 MS. GUDGEL: Within two weeks.

12 MS. REID: That's fine.

13 MR. BALDWIN: This is the Videographer. Do
14 you like VHS, DVD, CD?

15 MS. REID: DVD, please.

16 MR. BALDWIN: DVD, all right.

17 MS. GUDGEL: And what size do you like your
18 transcript?

19 MR. KULWICKI: Just regular transcript.

20 DEPOSITION TO BE CONTINUED.

1 I, WILLIAM PARKER SHERMAN, M.D., having read the
2 above and foregoing, find the same to be true and correct
3 with the following additions and/or corrections, if
4 any:

5 Page_____Line_____Change:

6 Page_____Line_____Change:

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24 _____
WILLIAM PARKER SHERMAN, M.D. (8/3/06) DATE

1 STATE OF ILLINOIS)

2) SS

3 COUNTY OF MENARD)

4 C E R T I F I C A T E

5 I, Tricia L. Gudgel, a Notary Public and
6 Certified Shorthand Reporter in and for said County
7 and State do hereby certify that the Deponent
8 herein, MICHAEL PARKER SHERMAN, M.D. prior to the
9 taking of the foregoing deposition, and on the 3rd
10 of August A.D., 2006, was by me duly sworn to
11 testify to the truth, the whole truth and nothing
12 but the truth in the cause aforesaid; that the said
13 deposition was on that date taken down in shorthand
14 by me and afterwards transcribed, and that the
15 attached transcript contains a true and accurate
16 translation of my shorthand notes referred to.

17 Given under my hand and seal this 14th
18 day of August A.D., 2006.

19
20 Notary Public and

21 Certified Shorthand Reporter

22 License No. 084-004053
23
24