

IN THE COURT OF COMMON PLEAS

CUYAHOGA COUNTY, OHIO

REBEKAH BERLINGER,
etc., et al.,

Doc. 281

Plaintiffs,

-vs-

JUDGE J.P. Kilbane
CASE NO. 94277

MT. SINAI MEDICAL
CENTER, et al.,

Defendants.

- - - -

Deposition of LEON I. MANN, M.D., taken as if
upon examination before Dawn M. Hagestrom, a
Registered Professional Reporter and Notary
Public within and **for** the State of Ohio, at the
Cleveland Metropolitan General-Highland View
Hospital, 3395 Scranton Road, Cleveland, Ohio,
at 10:00 a.m. on Friday, July 31, 1987, pursuant
to notice and/or stipulations of **counsel.**, on
behalf of the **Plaintiffs** in this cause.

- - - -

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APPEARANCES:

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On behalf of the Plaintiff;

Patrick J. Murphy, Esq.
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On behalf of the Defendant
Dr. Robert Schwartz;

Gary H. Goldwasser, Esq.
Reminger & Reminger
7th Floor 113 St. Clair Building
Cleveland, Ohio 44114
(216) 687-1311,

On behalf of the Defendant
Mt. Sinai Hospital;

ALSO PRESENT:

Nancy Iler

- - - -

1 LEON I. MANN, M.D., of lawful age, called
2 by the Plaintiffs for the purpose of
3 examination, as provided by the Rules of Civil
4 Procedure, being by me first duly sworn, as
5 hereinafter certified, deposed and said as
6 follows:

7 EXAMINATION OF LEON I. MANN, M.D.

8 BY MR. ILER:

9 MR. ILER: Let the record reflect
10 that we are taking the deposition of Dr. Mann as
11 on cross-examination and as discovery of an
12 expert's opinion concerning the above-entitled
13 case. All the attorneys involved in the
14 litigation have been notified of the deposition,
15 and if there are any imperfections in the notice
16 of this deposition it's been waived; we are all
17 here by agreement, is that agreed?

18 MR. MURPHY: I will object to the
19 characterization as if on cross-examination for
2 the discovery.

2 Q. Doctor, can we have your full name?

2 A. Leon Isaac Mann.

2 Q. That is M A N N?

2 A. Correct.

1 A. 2 Foxwood Lane, Pepper Pike, Ohio 44124.

2 Q. How long have you lived there?

3 A. One year.

4 Q. And your office address is here at Cleveland
5 Metropolitan Hospital?

6 A. Correct.

7 MR. ILER: Can I have his
8 curriculum vitae?

9 MR. MURPHY: I guess the record
10 could show we will incorporate that into the
11 record.

12 MR. ILER: That would be fine, Mr.
13 Murphy,

14 We just received a copy of the curriculum
15 vitae of Dr. Leon I. Mann. We will get a copy
16 of it later on, Mr. Murphy will get me one, so
17 it will help us move along a little bit.

18 Q. You have written a report concerning the care
19 and treatment of Rebekah?

20 A. Yes, I have.

21 Q. The report is dated June the 8th of 3987, right?

22 A. Correct.

23 Q. And did you have, do you have a file on this
24 case? Do you have any personal notes?

25 A. Yes, I do.

1 Q. Can I see them?

2 A. I don't have them here.

3 Q. Could you get them for me?

4 A. Sure.

5 MR. ILER: Could the court reporter
6 please mark these.

7 - - - -

8 (Whereupon, Plaintiffs' Exhibit
9 Nos. 1 through 6 were marked for purposes of
10 identification.)

11 - - - -

12 Q. Thank you very much, doctor. I have had the
13 court reporter mark Plaintiffs' Exhibits Nos. 1
14 through 6. Can you identify what these yellow
15 sheets of paper are?

16 A. These yellow sheets of paper represent my notes
17 as I reviewed the materials sent to me by the
18 attorney for the defendant and --

19 Q. Are the notes made in your handwriting?

20 A. Yes, they are.

21 MR. ILER: Can we at a later time
22 get a legible copy of them?

23 MR. MURPHY: We will Xerox them for
24 everybody.

25 MR. ILER: May I have an agreement-

1 with you, Mr. Murphy, if I find I cannot rear!
2 the doctor's handwriting **for** whatever reason, I
3 would rather not make a mistake, can I work
4 through you? **If** you send **me** a **copy** and I can't
5 read a notation can you please ask him, the
6 doctor, so that I don't misinterpret anything?

7 MR. MURPHY: I think I would rather
8 do that than take time now to have him read
9 everything.

10 MR. ILER: **Yes.**

11 MR. MURPHY: Okay, **sure.**

12 Q. I understand **from** your curriculum vitae, you
13 have attained quite a record and congratulations
14 to you on a marvelous curriculum vitae. Very,
15 very nice. And I just will not go through your
16 medical education because it's all Listed **here.**
17 And the staff appointments you have are
18 remarkable and you have also published a number
19 of articles, too, in the field of OB/GYN and
20 neonatology; I see those listed.

21 A. Not neonatology.

22 Q. **Just** OB/GYN?

23 A. **Yes.**

24 Q. This is the first **time** I have seen this. I'll
25 just spend a moment with you on the, in the

1 immediate past position category of your
2 background and your work.

3 In July of '85 to June of '86 you were
4 professor and director of obstetrics, the
5 department of obstetrics and gynecology in the
6 Indiana School of Medicine?

7 A. That's correct.

8 Q. That was from July to June. That covers about a
9 year or thereabout?

10 A. Correct.

11 Q. Was that like on a rotational thing? Why were
12 you there only a year? is there an academic
13 reason that I do not know about?

14 A. No, there is no academic reason.

15 Q. Do you take appointments like this appointment
16 at Indiana University, it being for a year? Why
17 is it only for a year, why isn't it for five
18 years or ten years?

19 A. Initially it was not for a year, it was when I
20 decided to return to academic medicine from the
21 corporate job that I had that had brought me to
22 Indianapolis, I went and was recruited for a job
23 at the Indiana University as director of
24 obstetrics, not a particular time limit.

25 Q. Insofar as the Limeframe, did you go to Indiana

- 1 University after working with the Lilly Company?
- 2 A. Correct.
- 3 Q. Did you go from Eli Lilly Company to Indiana?
- 4 A. Yes.
- 5 Q. The next position that is earlier than that is
- 6 from July of '84 to June of '85 where you were
- 7 the executive director, corporate medica3
- 8 affairs Eli Lilly research department,. Eli Lilly
- 9 & Company, Incorporated,. Indianapolis, Indiana?
- 10 A. That's correct.
- 11 Q. You were there for approximately a year?
- 12 A. Correct.
- 13 Q. And what did you do as an executive director of
- 14 the Eli Lilly Company?
- 15 a. I was primarily involved with the medical
- 16 aspects of the research and development of
- 17 various drugs.
- 18 Q. And are you free to say what those drugs were or
- 19 is this a corporate, you know --
- 20 A. I don't know whether I'm free or not free. I'm
- 21 not sure I can remember any number of them, but
- 22 there are a number that I would remember there
- 23 are certain restrictions in discussion because
- 24 they were at the early stages of development.
- 25 Q. The corporate competitiveness of the subject

1 matter I understand. You were the executive
2 **director** of Lilly Corporation in the research
3 and development of drugs?

4 A. I **also** had involvement with other parts of the
5 corporation.

6 Q. Can you describe those **for** me?

7 A. I worked with the legal division as medical
8 consultation to various questions and issues
9 that might arise.

10 Q. And in that regard in the legal field of the
11 Lilly Company, can you tell me a little bit more
12 about that? How were you involved in legal
13 matters of the Lilly Company?

14 A. If there was a particular product liability that
15 they wanted discussion with a medical person
16 regarding the medical aspects of the case, they
17 discussed **it** with me, as well as other
18 physicians, as part of my assignment.

19 Q. When you worked **with** the legal department of the
20 Lilly Company were you involved in pending
21 claims that users of Lilly products had made
22 against the Lilly Company?

23 A. **Yes.**

24 Q. And in that regard, would you -- **did you give**
25 medical advice to the Lilly Company insofar as

1 those **claims** that users of Lilly drugs or
2 **products** were making against the company?

3 A. In some part, **yes**.

4 Q. **And** did you also work together with **lawyers** in
5 the Lilly Corporation to give them medical
6 **advice** in defending claims that people who had
7 used Lilly products were making against the
8 company?

9 a. **Yes, I did.**

10 Q. Did you, **were** you represented and did you give
If depositions in pending cases against Lilly
12 Company?

13 A. No, I did not.

14 Q. Did you **ever** testify in court **for** the Lilly
15 Company?

16 A. No, I did not.

17 Q. Okay. Was there a, this **was** in the year 1984 to
18 1985. **At** that time **were** these a **series** of
19 **lawsuits** brought against **the** Lilly Company for a
20 particular drug?

21 A. A number of lawsuits ~~for~~ **various drugs**.

22 Q. Do any of those drugs stand out in your mind?

23 A. Not any **in** particular.

24 Q. Did Lilly produce an **early** morning, pardon me, a
25 drug used by, used for women **who** were pregnant?

1 A. Yes, they did.

2 Q. What was that drug's name?

3 A. Diethylstilbestrol.

4 Q. Wasn't there Litigation involving that
5 particular drug throughout the country?

6 A. Yes, there was.

7 Q. What seemed to be the claim?

8 MR. ILER: Am I going too far?

9 MR. MURPHY: I think you are. I'm
10 going to object.

11 MR. ILER: That's all right.

12 Q. Insofar as your legal aspect, were you giving
13 the Lilly Company advice about that particular
14 drug?

15 A. Well, actually for most of the time I was there,
16 counselor, I was sort of learning about it,
17 never paid all that much attention to that one
18 particular drug, learning more about the drug in
19 that short time that I was there.

20 Q. Well, the issue of learning about the drug was
21 to get you acquainted with the use of the drug,
22 the way the drug operated on pregnant women, I
23 assume?

24 A. Yes, I would say that.

25 Q. And then after you had accumulated that

1 knowledge with your medical background then you
3 were prepared to give opinions either to
3 executives of the Lilly Company or to their
4 legal staff on what your medical opinion was
5 concerning that drug, right?

6 A. I'm sorry. Could you repeat that?

[illegible]

8 (Thereupon, the requested portion of
9 the record was read by the Notary.)

10

11 A. Yes, correct. Strictly the legal department.

12 Q. Aside from that particular drug, did you ever
13 work on any other drugs?

14 | A. Yes.

15 | Q. Which were they?

16 MR. MURPHY: Let me note an
17 objection. I think this is far afield of a
18 discovery deposition of an expert unless and if
19 you can show me there are drugs in here that may
20 be an issue that were given by Dr. Schwartz to
21 Mrs. Berlinger, if the doctor knows something
22 about them and can give opinions, but otherwise
23 let's move along and get to this case.

24 MR. ILER: I'm just trying to get a
25 little more background on the drugs because

1 there were drugs used here with this lady.

2 MR. MURPHY: Well, ask him about
3 these drugs.

4 Q. What other drugs were you involved with with the
5 Lilly Company?

6 MR. MURPHY: You **are** not going to
7 answer that question, doctor. Let's move on.

8 MR. ILER: Would you certify the
9 question to Dr. Mann?

10 MR. MURPHY: Yes.

11 MR. ILER: Under agreement of
12 counsel, I want to know what other drugs that
13 Dr. Mann has worked in with the Lilly Company
14 and I also want to know why he was so doing it.
15 and whether **it was** involved in litigation.

16 Q. Now then, what I see is on your curriculum
17 vitae, doctor, after you had been to Lilly
18 Company, before that you were **professor** and
19 chairman **of** the department of OB/GYN, University
20 of Vermont, and as a **professor** you were there
21 from 1976 to 1984, am I right?

22 A. **That's** correct.

23 Q. And during that period of time, were you
24 actually practicing OB/GYN or **simply** the
25 professor, the academic side of that profession?

1 A. Both.

2 Q. You were seeing patients then at the University
3 of -- or at the medical center hospital at
4 Vermont?

5 A. That's correct.

6 Q. Have you ever, in your experience as a
7 physician, as a teacher of medicine ever heard
8 of Reily-Day syndrome?

9 A. Yes, I have.

10 Q. Is that syndrome associated with people of
11 Jewish heritage who have come from Ashkenazi,
12 Poland?

13 A. I'm vaguely familiar with the syndrome. I'm not
14 sure. I believe it is, but I would not render
15 an opinion.

16 Q. On that?

17 A. On that.

18 Q. Okay. I want to see how far I can go with you
19 on your memory so far as Reily-Day syndrome. Is
20 it your understanding that the Reily-Day
21 syndrome is a set of problems that occur from
22 people of Jewish heritage, is that true?

23 A. I believe that to be true.

24 Q. In your lecturing and teaching of medical
25 students and residents, I assume, have you ever

1 talked or discussed this Reilly-Day syndrome?

2 A. I would imagine at some point over the years
3 it's possible.

4 Q Do you see patients here at Cleveland
5 Metropolitan Hospital?

6 A Yes, I do.

7 Q And how much of your time here wish your present
8 position, which is director of ^a the department of
9 obstetrics and gynecology -- then also you have
10 marked here professor of reproductive biology,
11 Case Western Reserve.

12 Can you tell me what your duties are here
13 on a daily basis at Cleveland Metro and then
14 also what you do at Case Western Reserve?

15 A. My duties at Cleveland Metro are the direct
16 supervision of the department in terms of the
17 clinical care rendered in obstetrics and
18 gynecology, the teaching programs, the research
19 activities, the administration of the
20 department.

21 Q. And those, you have that kind of supervisory
22 duties here?

23 A. What kind, sir?

24 Q. That you have just described. Were those
25 supervisory duties that you have here that you

1 have described?

2 A. I don't know I described them, but yes.

3 Q. Okay. So then on a day-to-day basis at

4 Cleveland Metro, do you check on other people

5 who are working in the department of OB/GYN?

6 A. Yes, sir.

7 Q. See that they are getting their jobs done and
8 their assignments are being kept, is that what
9 you do?

10 A. Partly, yes.

11 Q. And do you have any financial responsibilities
12 or administrative duties here at Cleveland
13 Metro?

14 A. I'm sorry. I don't understand the question.

15 MR. MURPHY: Objection.

16 Q. Administrative duties like do you have to, what.
17 I mean by administrative duties as the director
18 of OB/GYN here, you have to make like reports to
19 say we have so many doctors, we have done so
20 many cases here, our budget is 50 million
21 dollars, 25 million dollars and we need some
22 more money. That's the kind of administrative
23 thing I'm talking about.

24 A. Yes.

25 Q. How much of your time is spent in the

1 administrative duties that we **talked** about?

2 A. A quarter of my time.

3 Q. **Okay.** And then insofar as the professor of the
4 department of reproductive. **biology** at Case, what
5 is that, what do you do as professor of
6 reproductive biology?

7 A. Well, we **are** all part of the Case Western
8 Reserve system.

9 Q. Cleveland Metro is?

10 A. **Yes.**

11 Q. True.

12 A. My position is a tenured **professorship** with the
13 medical school which has me participate in **the**
14 curriculum **for** the students in **research**
15 activities of the medical school.

16 Q. How often do you teach there?

17 A. **I'm** sorry, sir?

18 Q. How often do you teach there?

19 A. Those students from Case Western come here to
20 Cleveland Metro, and I teach on **a** daily **basis.**

21 Q. Daily?

22 A. Yes.

23 Q. Hour, two hours in the morning or afternoons?
24 How much **time** do you spend each day,
25 approximately?

I A. We have morning report each morning where the
2 students are present for approximately an hour.
3 I meet with the medical students on assigned
4 time of approximately an hour, hour and a half
5 once a week, and throughout the day there are
6 various times when I meet with students.

7 Q. Who is Dr. Dyker? Do you know him?

8 MR. GOLDWASSER: Dierker?

9 A. Dr. Dierker?

10 Q. Yes. Who is he?

11 A. Dr. Dierker is a member of the faculty,
12 department of OB/GYN, here at Cleveland Metro.

13 Q. What are his duties here? What does he *bo*?

14 A. Dr. Dierker is director of obstetric and
15 maternal-fetal medicine.

16 Q. You are the director of OB/GYN and he was the
17 director of what?

18 A. Of obstetrics, which is a division of the
19 department of OB/GYN.

20 Q. Okay. Have you -- this is not your first
21 deposition, I assume?

22 A. No, sir.

23 Q. Can you tell me if you have given medical
24 reports defending the practice of physicians in
25 given cases before?

1 A. Yes, I have.

2 Q. And approximately how many of those times have
3 you done that?

4 A. I'm sorry, sir. Did you ask me written
5 reports?

6 Q. Yes, just the reports.

7 A. Written reports approximately five, six times.

8 Q. In your entire lifetime?

9 A. That's correct.

10 Q. And were those five, six reports done within the
11 last five years or so or three years or so?

12 A. Yes.

13 Q. And were they made, were the reports made after
14 review of medical records and was an opinion
15 rendered in your reports?

16 A. Yes to both parts of the question.

17 Q. Do you know the difference between a plaintiff
18 and a defendant?

19 A. Yes, I do.

20 Q. And were the reports written on behalf of
21 defendants?

22 A. Yes.

23 Q. Have you ever written a report on behalf of a
24 patient against a physician in a suit?

25 A. Written report?

1 Q. Yes.

2 A. Not have I reviewed a case?

3 Q. No. Have you written a report, on behalf of a
4 patient who was suing a physician?

5 A. I have not written a report. I have reviewed
6 plaintiff cases.

7 Q. Okay. Now, these five cases, were they reviewed
8 for Ohio while you were in Ohio or were they
9 reviewed in other states?

10 A. Most of them since I have been in Ohio.

11 Q. Have you ever reviewed a case outside of Ohio
12 while you were at Vermont or Indiana?

13 A. Yes, I have.

14 Q. How many times have you written a report while
15 you were in the State of Vermont?

16 A. My figure of five or so is a total figure.

17 Q. And how about while you were in the state of
18 Indiana, did you write any medical reports while
19 you were in Indiana?

20 A. I might have written one. I'm not sure.

21 Q. Okay. So, insofar as medical reports are
22 concerned written on behalf of physicians, would
23 you estimate you have ten to 15 times done so?

24 A. No, sir. You are asking me, if I understand
25 your question, written reports.

1 Q. Yes.

2 A. **And** I said I believe earlier approximately five
3 or six written reports.

4 Q. The five or six written reports are included
5 while you were in Vermont, while you were in
6 Indiana and while you were in Ohio, is that
7 correct?

8 A. That's correct.

9 Q. How did it come to pass that you were called by
10 the firm of Jacobson, Maynard, Tuschman & Kalur
11 and particularly Mr. Murphy to review this case,
12 how did that happen?

13 A. I'm not really sure.

14 Q. Okay. Well, did somebody just pick you up?

15 A. Mr. Murphy.

16 Q. Did you inquire of him how he got your name
17 or --

18 A. I don't recall having asked him that question.

19 Q. Okay. Are you insured by the Physicians
20 Insurance Exchange Company?

21 MR. MURPHY: Objection. You can
22 answer.

23 A. I'm sorry.

24 MR. MURPHY: I objected for the
25 record. You can answer the question, though.

1 A. No, I'm not.

2 Q. Do you know any of the lawyers at the Jacobson,
3 Maynard, Tuschman & Kalur law firm?

4 A. Yes, I do.

5 Q. Who do you know?

6 A. I know Mr. Bonezzi, and Mr. Kalur I have met and
7 somebody else, but I'm not sure.

8 Q. Did you help Mr. Kalur with a case?

9 A. No, I did not.

10 Q. And did you ever help Mr. Bonezzi with a case?

11 A. Yes, I did.

12 Q. Was the case a case here in Cleveland, Ohio, do
13 you know?

14 A. Yes, it was.

15 Q. Do you remember the name of the people involved,
16 plaintiff?

17 A. I do not.

18 Q. Did you go to trial?

19 A. No, I have not been to trial.

20 Q. Do you know who the name of the baby was that
21 was involved or the patient?

22 A. No.

23 Q. Do you know who the name of the plaintiff's
24 lawyer was?

25 A. No, I can't remember.

1 Q. If at any time during our questioning and our
2 discussion of the Berlinger case you need to
3 look at either your own personal notes or
4 hospital records or charts or anything just take
5 the time to take a look at them so that you are
6 really confident about **your** answer insofar as
7 applying to **a** record.

8 Can we say that insofar as Heidi Berlinger
9 is concerned, we know this was her first.
10 pregnancy with Rebekah, true?

11 A. Correct,

12 Q. That her pregnancy was a full term one, true?

13 A. Correct.

14 Q. There was no prematurity involved in her
15 pregnancy, correct?

16 A. Correct.

17 Q. That her pregnancy proceeded for nine months
18 with no diabetes on the side of the mother, she
19 exhibited none, Heidi, right?

20 A. Correct.

21 Q. She **had** no preeclampsia, right?

22 A. Correct.

23 Q. **And** she had no severe bleeding during her
24 pregnancy?

25 A. Correct.

1 Q. She had no heart problems herself, Heidi that
2 is?

3 A. Correct.

4 Q. And insofar as the fetus **was** concerned, Baby
5 Rebekah, during the time that she was in her
6 mother's womb she exhibited no fetal problems
7 and no fetal distress, true?

8 A. Correct.

9 Q. That insofar as the mother and child, I will
10 couple them both, both Heidi and Rebekah, that
11 during the time of the pregnancy neither
12 exhibited any lung problems **or** respiratory
13 problems, is that true?

14 A. As far as the fetus goes, we have no way of
15 identifying that. **From** the mother's point of
16 view, there was one episode of dizziness and
17 syncope in June of the pregnancy. Generally,
18 no.

19 Q. Okay. With the syncope part, **do** you put any
20 importance of that particular dizziness problem,
21 and I think **it** was a brief fainting episode. Is
22 that what you understand?

23 A. That's what I understand. **from** the record.

24 Q. Is **it** important in this case or can we just
25 throw it out and **disregard** it?

1 A. I wouldn't. throw it out and disregard it. I'm
2 not sure, I don't believe it **does**.

3 Q. You want to keep it for consideration, see how
4 **we** go along in this deposition, maybe it will be
5 of some import to you later?

6 A. Yes.

7 Q. Now, insofar as Baby Rebekah is concerned, if
8 there was something structurally wrong **with**
9 **Rebekah's** lungs, hypothetically **speaking, okay,**
10 would that show up during **her** pregnancy?

11 A. No.

12 Q. And insofar as the pregnancy of Heidi Berlinger
13 during nine months -- did you want to say
14 something?

15 A. I think the answer to that question is no. If
16 there was severe pulmonary hypoplasia **it's**
17 possible that there may be changes that one
18 would see in the amniotic fluid volume, but the
19 general answer is no.

20 Q. Did you understand whether or not any
21 ultrasounds were taken of **Mrs.** Berlinger, Heidi,
22 during the course of her pregnancy?

23 A. I'm sorry, counselor. Did I understand?

24 Q. Do you know if there **was** or wasn't?

25 A. Yes, there was.

1 Q. How did they come out? What were the results of
2 them?

3 A. The ultrasound was done for dating of the
4 pregnancy, I believe on 12/14/86, and Dr.
5 Schwartz felt that the uterus was 14 weeks, that
6 the size of the uterus was 14 weeks when the
7 dates were only ten, and he had *an* ultrasound
8 performed which revealed that the uterus was in
9 fact, the gestation was ten weeks.

10 Q. So no problems with the ultrasound, I assume?

11 A. Not that I'm aware of.

12 Q. Okay. Can we conclude this way then, that the
13 pregnancy of Heidi **Berlinger** moved normally and
14 for all important matters this pregnancy moved
15 along uneventfully?

16 A. Absolutely.

17 Q. So now we, you are not a pediatric neurologist.,
18 is that correct?

19 A. That's correct.

20 Q. You have confined your practice to obstetrics
21 and gynecology? .

22 A. Correct.

23 Q. Do I understand that you will give no opinion at.
24 the trial of this lawsuit on a neonatology
25 basis; is that outside your field?

1 A. I'm not trained **as** a neonatologist. My
2 experience would be simply in followup on the
3 obstetrical care that we have been, that we
4 deliver and as an individual who has done
5 research in basic questions, issues surrounding
6 perinatal life which includes both the fetal
7 life, intrapartum period and the immediate
8 newborn training, but not by clinical training.

9 Q. We have never met before, doctor, and the only
10 reason I'm asking that is so I can be certain as
11 to what to expect from you as to what opinions
12 are concerned, what branch of medicine. I'm
13 just trying to narrow down what branch of
14 medicine you will testify in so I can prepare
15 myself now for questions of you if you testify
16 at trial. I will note that you are going to
17 confine yourself to OB/GYN only, am I right in
18 that point?

19 A. That's correct.

20 Q. We have talked to several physicians and they
21 have described for us what a late deceleration
22 is, what an early deceleration is, what a
23 variable deceleration is and what a beat-to-beat
24 deceleration is. We had that discussion with
25 other doctors in this matter, and can I just ask

1 you, what. is your definition that. you use
2 insofar as a late deceleration; what does that
3 mean to you, doctor?

4 A. Late deceleration by definition is a
5 deceleration or decrease in the fetal heart rate
6 that has its onset at the peak of the uterine
7 systole, continues into the diastole of the
8 contraction and into the interval between two
9 contractions.

10 Q. If we had a graph of a contraction like a
11 mountain up one side and down the other, and as
12 we mentally look at a picture of this mountain
13 and then we impose on that a late deceleration,
14 where, insofar as this mountain, would the late
15 deceleration begin and where would it end?

16 A. At the peak of the mountain it would begin.
 Right, yes.

18 A. And it would end in the valley beyond the base
19 of the mountain.

20 Q. Okay. Very well. Thank you very much.

21 And with an early deceleration, let's use
22 our mountain again if we can, if you will permit
23 me to, and now we have an early deceleration;
24 insofar as our mountain is concerned, where
25 would the early deceleration start during the

1 contraction and where would it end?

2 A. That is less well **defined**, hut **generally** it
3 would start sometimes on the ascension of the
4 mountain, the upwards slope, may start toward
5 the peek, but the characteristic feature of the
6 early is that there is generally recovery,
7 general recovery by the time you come **back** down
8 the mountain to the valley.

9 Q. Okay. During this **period** the mountain that we
10 have talked about as being a contraction, right?

11 A. As you have described **it**, yes.

12 Q. When you say a recovery you mean that the baby's
13 heart recovers **from** that contraction, is that
14 correct?

15 A. Recover may **be** a poor word. Return to baseline
16 value.

17 Q. Okay. Yes. During the period, as **I** understand
18 **it**, doctor, that, during the period of a
19 contraction, that is a mother's contraction
20 during labor, that the circulation of blood to
21 the **mother** and, of course, to the fetus is
22 stopped, is that right?

23 A. To the **mother** and the fetus, I'm sorry. You
24 will have to **be** a little more **specific**.

25 Q. During the period of a **labor** contraction, is

1 there any interruption of blood flow between
2 mother and/or child?

3 A. Between mother and child?

4 Q. Yes.

5 A. Yes.

6 Q. And when does that occur?

7 A. That occurs when the pressure within the muscle
8 of the uterus, myometrium, exceeds that of the
9 pressure within the **blood** vessel carrying blood
10 to the area of the placenta where exchange
11 occurs between mother and fetus.

12 Q. Okay. Then during the, this period of pressure
13 changes, during a contraction, is **it** so that
14 oxygen, which **is** carried by the blood and is
15 exchanged at the placental area to the baby, is
16 that also stopped?

17 A. When the pressure of a contraction is greater
18 than the pressure within the **blood vessel**, yes.

19 Q. All right. Hypothetically speaking, if we took
20 a contraction, this mountain that we talked
21 about as an illustrative point, and instead of
22 the mountain just going up and then coming down
23 we had a contraction which went up and extended
24 out for a long **period** of time and then came down
25 the child would **be** without oxygen during that

1 period of time, is that correct?

2 A. No, that's not.

3 Q. Okay. Is there a relationship between the time
4 and length, is what I mean, of a contraction **and**
5 the oxygen supply that the baby is getting?

6 A. There could be.

7 Q. And can you explain what could **effect** that?

8 A. You **would** have to have a contraction whose
9 intensity **was greater** than the **pressure** within
10 the vessel for this long period of time in **order**
11 to prolong the obstruction of the exchange from
12 mother to baby of the oxygen.

13 Q. Within the period -- strike that.

14 You, of course, are familiar with external
15 and internal monitoring of babies?

16 A. Yes, I am.

17 Q. Rehekah had both an external monitor **and** she had
18 an internal monitor, true?

19 A. Correct.

20 Q. Of the phenomenons or the occurrences such as
21 late decelerations, early decelerations,
22 variable decelerations and beat-to-beat losses,
23 of **those** four items, are they important to be
24 **observed during the monitoring of the mother?**

25 A. Yes, they are.

1 Q. Tell me why?

2 A. Because the association between the type of
3 deceleration and the severity of the
4 deceleration and most importantly the
5 persistence of the deceleration is correlated in
6 some manner with the condition of the fetus.

7 Q. Okay. You used the word decelerations. Does
8 that include all of them, **earlies**, **lates**,
9 variables, or are there certain specific ones
10 you believe require careful monitoring because
11 of their importance *to* this process?

12 A. Well, as I said, the importance of the
13 monitoring is to be able to identify
14 deceleration or examine acceleration pattern.
15 The answer to your question is that once you
16 look and determine the type of either
17 acceleration, deceleration patterns of the heart
18 rate in relation to the contraction one can
19 classify them in *to* what is referred to as
20 innocuous or ominous, again, as it correlates to
21 the objective biochemical and newborn evaluation
22 of the fetus and newborn.

23 Q. Which of the decelerations, first of all, do you
24 consider to be ominous?

25 A. Generally considered ominous decelerations are

1 moderate to severe variables and moderate, **mild**,
2 moderate or severe delayed decelerations,
3 particularly if they persist for any substantial
4 length of time they might, should be considered
5 as indicators of fetal stress and need to **be**
6 evaluated.

7 Q. When we use the word decelerate, what is
8 decelerated?

9 A. Decrease.

10 Q. Decreased. Pardon me, what is --

11 A. When you use the term deceleration?

12 Q. **Yes.**

13 A. I'm sorry. I don't understand your question.

14 Q. What is decelerated, the heart rate of the child
15 or the heart rate of the mother **for** purposes of
16 this record?

17 A. It's the heart rate **of** the fetus as we are
18 talking about fetal heart rate monitoring.

19 Q. Yes, yes. Do you agree that you can have a late
20 deceleration with a fetal or have a baby's heart,
21 rate of 120 to 130 beats per minute?

22 A. I'm sorry, counselor. I don't understand that
23 question.

24 Q. Okay. Can you have a **late** deceleration and
25 still have a fetal heart rate of 120 to 130

1 beats per minute?

2 A. By still have a fetal heart rate of 120, 130,
3 you mean in between the contractions, you mean
4 at the lowest level of the delayed
5 deceleration? I'm not sure I understand what
6 you are asking me.

7 Q. Let me see if I can move that one along for
8 you. You see, sometimes it is said that you can
9 have a late deceleration between a fetal heart
10 rate of 120 to 130, anywhere within those
11 parameters, you see; in other words if you have
12 a fetus who has a heart rate of 120 to 130,
13 within those two numbers?

14 A. That's the baseline heart rate?

15 Q. That's right. Within the beat of 120 to 130 do
16 you have an opinion as to whether or not you can
17 still have a late deceleration within that fetal
18 heart rate?

19 A. The fetal heart rate, baseline heart rate
20 between contractions, 120 to 130.

31 Q. Yes.

22 A. And your question again, counselor, is can you
23 have a delayed deceleration associated with the
24 contraction when the baseline heart rate is 120
25 to 130?

1 Q. Exactly?

2 A. Yes.

3 Q. Then is this true, you cannot, rely on a **fetal**
4 **heart** rate of 120 to 130 to **exclude** a monitored
5 tracing that may indicate a late deceleration,
6 is that true?

7 A. I'm sorry, I don't --

8 Q. You don't understand the question?

9 A. Not really.

10 Q. That's good. Whenever you don't understand I
11 would **really** appreciate your telling me what you
12 are doing now, telling me you are not clear
13 about **it**. I can try to reword **it** for you.

14 Is the oxygen supplied to the baby
15 interrupted during a deceleration?

16 A. Yes, **it** is.

17 Q. Why? Just as briefly as you can without
18 compromising your medical opinion.

19 A. During the uterine contraction as we reviewed
20 before, there is, there can be depending upon
21 the pressures generated in the myometrium
22 **vis-a-vis** the intravascular circulation of the
23 placenta, there is an interruption in the
24 oxygenation of the fetus in the terms of the
25 oxygen tension.

1 Oxygen tension is measured in millimeters
2 of mercury, and it is the oxygen tension that
3 the chemoreceptors in the carotid arch and the
4 aorta are sensitive to.

5 Changes in the oxygen tension that occur as
6 a result of this interruption of the oxygenation
7 of the fetus result in the stimulation of a
8 reflex that is an afferent stimulation to the
9 brain stem of the fetus, and the
10 cardioregulatory sense which sends out an
11 afferent stimulation to the heart by the
12 parasympathetics that results in a slowing of
13 the fetal heart rate.

14 Now, this is oxygenation in terms of the
15 oxygen tension that initiated the reflex slowing
16 deceleration. It says nothing about the true
17 oxygenation of the fetus in terms of its
18 consumption of oxygen, which is calculated
19 entirely differently as a product of the
20 arteriovenous difference across the umbilical
21 circulation of oxygen in terms of blood flow
22 which one requires to speak specifically and
23 objectively about, quote, oxygenation of the
24 fetus.

25 It's possible to have a decrease in the

1 oxygen tension in the fetal circulation as a
2 result of the interruption of the exchange of
3 oxygen from mother to fetus that can stimulate a
4 reflex deceleration of the fetal heart rate
5 which in no way has an effect on the actual
6 consumption of oxygen by the baby that could
7 result in anaerobic glycolysis, formation of
8 lactic acid, lacticacidemia, an increase in the
9 carbohydrate oxygenation and decrease in pH. So
10 that on the one hand, oxygenation can refer to
11 oxygen tensions, and on the other hand, in terms
12 of milliliters of mercury to oxygen, which is a
13 reasonable measure of whether the fetus is
14 oxygenated or not.

15 Q. Is that the true measure?

16 A. In a purely scientific matter, that's correct.

17 Q. Now, during the time that Rebekah Berlinger had
18 her internal monitor on, were the nursing
19 personnel that were watching and observing the
20 monitor strips that were on Rebekah Berlinger
21 supposed to know what you just have described to
22 us in your answer?

23 A. They really don't have to know that. No, the
24 answer is no.

25 Q. Insofar as the, let's say, the nurse that

1 observes the internal monitoring strip from the
2 time it was placed on Rebekah, which we know was
3 after 8:00 in the morning, is that right, on
4 July the 10th, the membranes were ruptured?

5 A. I'm sorry. The internal system?

6 Q. The internal system.

7 A. I believe was placed at --

8 Q. We all know it was in at 8:00.

9 MR. MURPHY: Maybe a little before
10 that.

11 A. The internal system was placed at 8:00 a.m.
12 after artificial rupture of membranes where
13 there was clear fluid.

14 Q So from 8:00 a.m. on July the 10th of 1984 and
15 up until the time a cesarean section was done on
16 Mrs. Berlinger the internal monitoring strip was
17 in place, is that what your understanding is?

18 A That's correct.

19 Q And that would bring us for a period of how many
20 hours, doctor, that the internal monitoring
21 strip was on?

22 A The strip that is available here -- well, I'm
23 sorry. The internal electrode, if we agree it
24 started at 8:00, I believe the strip ends at
25 3:30. I'm not exactly sure of that. I'm

1 sorry. The last panel is 126 and I believe that
2 time is 3:30, although there is a part of
3 that -- so the answer to your question would be
4 8:00 to 12:00 is four, it would be 7 hours and
5 20 minutes, approximately, that I have a strip
6 available to me.

7 Q. All right.

8 A. 126, **yes, sir.**

9 Q. Now, during these seven and one half hours,
10 right, give or take a few minutes, we know it's
11 in excess **of** seven hours, **was** the monitoring,
12 the strip itself, was that, in your judgement.,
13 to be observed carefully for decelerations?

14 A. Decelerations, yes.

15 Q. For arrhythmias?

16 A. Arrhythmias, I'm not sure what you are --

17 Q. **Okay.** Accelerations **of** heart beat?

18 A. Correct,

19 Q. Decelerations of the **baby's** heart beat?

20 A. Correct.

21 Q. And any other unusual cardiac responses from the
22 child?

23 A. Correct.

24 Q. Should a person who is taking on that task of
25 watching the monitoring strip from approximately

1 8:00 in the morning of July the 10th until
2 approximately 3:00, 3:15, 3:20 in the afternoon
3 have the ability to know what a late
4 deceleration is, what an early deceleration is,
5 what coupling is and what beat-to-beat
6 variability is?

7 A. What was the personnel? I'm sorry. Which
8 personnel, any personnel?

9 Q. The person who is supposed to be watching it.

10 A. Yes.

11 Q. Okay. Would you say that based upon your
12 experience as a physician and experience you had
13 that if somebody was **assigned** between the **hours**
14 of 8:00 a.m. and 3:30 or 3:15 in the afternoon
15 and did not have the ability to know what a late
16 deceleration on a monitoring strip was or what
17 an early deceleration was or what beat-to-beat
18 variability was that that would be below the
19 standard of care?

20 A. That's correct.

21 Q. **Here** at your hospital when you have an internal
22 monitor on one of **your** patients, let's assume,
23 are your nurses here instructed **that** as the
24 **doctor** ~~for~~ the mother and the baby that you want
25 **to be** told when there are late decelerations; is

1 that what you instruct your people?

2 MR. MURPHY: I'm going to object,
3 You can go ahead and answer.

4 A. I'm sorry. Here we have a resident staff who
5 while I may be the attending the resident
6 physicians are the first line of reporting.

7 Q. Yes. The resident would be your eyes and your
8 ears. Well, I mean, what you do here at the
9 hospital, you say, look, we have qualified
10 residents, we think they are good people and if
11 the person who is watching the monitoring strips
12 goes to tell the resident, if you can't find the
13 resident, find the floor supervisor of nursing,
14 if you can't find the floor supervisor, and you
15 can't find them, come talk to me about it, is
16 that about right?

17 A. It may be a nurse, it may be a **medical** student,
18 it may be a resident. Everybody is the
19 attending on these cases evaluating the monitor
20 strip.

21 Q. Do you think that Dr. Schwartz in this case of
22 Rebekah Berlinger should have been present in
23 the very room that Mrs. Rerlinger **was** in during
24 the time the internal monitoring strip was
25 running?

1 A. No.

2 Q. Do you think that Dr. Schwartz should have had
3 accurate reliable information as to what the
4 monitoring strip was showing insofar **its**
5 decelerations of any kind or beat-to-beat
6 variability, should he have known that or been
7 told that?

8 A. Yes.

9 Q. Did you review the record from Mt. Sinai
10 Hospital for both mother Heidi and the baby?

11 A. Yes.

12 Q. Did you review the nurses' notes made on both
13 Heidi **and** the baby from the time she was
14 admitted at about 11:00 on July the 9th of '84
15 until the cesarean was completed?

16 A. Yes, **I** did.

17 Q. Anywhere in those notes did **you** ever find a **note**
18 in the nurses' notes that **told** you when a
19 contraction started in labor and when **it** ended
20 and how far the contractions were separated from
21 each other and whether or not the decelerations
22 occurred or not; did **you** ever see that. written
23 down?

24 A. Yes, **I** believe **I** did.

25 Q. Do **you** want **to** get that?

1 A. On **several** occasions.

2 Q. Okay. And how often should those notes have
3 been made in the hospital records? Let me
4 withdraw the question **first** of all.

5 Let's see if there is a, your judgement is
6 for a requirement **that** the contractions in a
7 mother such as **Heidi** should be recorded in the
8 medical record; do you believe that is true?

9 A. We have **a** continuous monitor both externally and
10 internally.

11 Q. Just listen to my question.

12 A. I'm **sorry**.

13 Q. What do you think about **it**?

14 A. Would you repeat the question?

15 Q. Do you think that the contractions, the number
16 of contractions and the **spacings** and **time**
17 between contractions should have been recorded
18 in the Mt. Sinai Hospital records during the
19 time the internal monitoring strip **was** being run
20 on Mrs. Berlinger?

21 MR. GOLDWASSER: Now you are
22 including the monitor as part of the hospital
23 record, I trust, because **it** is, are you or are
24 you telling the doctor to include the monitor?

25 MR. ILER: No, I'm not telling him

1 to include anything. I'm saying should there be
2 a recording.

3 MR. GOLDWASSER: He answered your
4 question, that's why I'm curious, because he
5 told you it was in the monitor. That's why I
6 didn't understand why you were repeating the
7 question. That's my point.

8 Q. I have to start over from the beginning here.
9 You confused me.

10 Is it required in your judgement that in a
11 case where an internal monitoring strip is being
12 run on a mother such as Mrs. **Rerlinger**, that
13 there be a record kept in the hospital records
14 during the period of time the internal
15 monitoring strip is running which indicates the
16 contractions, the number of contractions, how
17 they were separated by time one from the other,
18 the severity of the contractions and any
19 abnormalities in the contractions, should those
20 be recorded?

21 A. They are recorded on the monitoring strip, which
22 is a part of the record, it's a continuous,
23 on-going. If the, if we did not have continuous
24 monitoring then there is the requirements that
25 the nurses' notes and the doctor's notes record

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and the types of deceleration patterns or no deceleration patterns with a certain frequency in the hospital record. But with a continuous record, counselor, it's right there. We sometimes make notes on the record, which is part, on the monitoring strip which is part of the record, we sometimes make a **progress** note at intervals depending on where we are. It's difficult to answer your question with a yes or a no.

Q. Okay. Can we do it this way then so we move along. The answer is if you do not have a monitoring strip that is running on paper and that's not being done then notes should be made in the hospital record that indicate the number of contractions, the time between them and the severity?

A. Yes, I agree with that.

Q. If there is a monitor strip I think your testimony is no, you don't have to record them other than on the monitoring strip if you wish because you have a record with the strip itself, is that true?

A. It's partially true, counselor. I would also

I want, certainly, progress notes written at intervals to summarize **what**, has gone on on the monitor strip for a while.

Q. Why do you want that, why do *you* want the progress note?

A. Because it's going to take **what**. is on the monitor strip and incorporate it into the total picture of the case as it **relates** to **dilatation**, effacement, maternal condition, et cetera.

Q. Why should it be on the progress note?

A. I'm sorry.

Q. Why should it be put **on** the progress **note**?

A. Because **that's** where we record our observations of the progress of the patient.

Q. In this case was the internal monitoring strip run continuously from the time it was put on at approximately 8:00 a.m. on July the 10th, 1984 **and** run until 3:00 or 3:15 continuously?

A. I believe by looking at the number of the panels on the monitoring strip the answer is yes.

Q. How do you reach that conclusion? If you could just explain how you reach that conclusion I would appreciate it?

A. I reached that conclusion by first noting a confusing print on the record on Panel 77 that

1 indicates 11:00 a.m. and then a note on the
2 pane3 that indicates 13, which would be 1:00
3 p.m., but the numbers on the chart paper are
4 consistent in the progress of the numbers with
5 no interruption in the strip, so I assume that
6 what was done in error in putting in the time
7 and that, in fact, this was 11:00 when it was
8 meant to be, when it says 13.

9 Q. When you say 11:00 you mean 11:00 in the morning
10 of July the 10th?

11 A. That's correct.

12 Q. So the first reporting you have on the internal
13 monitoring strip is at what time?

14 MR. GOLDWASSER: You are changing
15 streams now. That's a whole different
16 question. Okay.

17 A. The first report, I think it says right here an
18 Panel 37, internal EKG.

19 Q. Okay. And what time would that be?

20 A. That time says 7:42 and a half.

21 Q. Okay. At 7:42 and one half do we take it now
22 the internal monitoring strip, internal monitor
23 was placed in Mrs. Berlinger?

24 A. Written on the monitor strip is internal EKG, so
25 I assume --

1 Q. That would be Panel Number **37**, correct?

2 A. Panel Number 37, I believe, sir.

3 Q. Okay.

4 A. About there. Now, I don't know if you **are**
5 asking me specifically when that electrode was
6 clipped and when we began getting a recording,
7 I don't know. We would, this may be that they
8 are going to do it, this may be that they had
9 done it. I would say that we have to have a
10 range here of somewheres from 7:42 and a half
11 to, I don't know, I guess about 8:00. So I'm
12 not sure, counselor, exactly where this is, hut.
13 it's at this point that we were putting on an
14 internal electrode.

15 Q. Let's assume that the electrode is placed in at
16 that time, let's say 7:42 or 8:00, whichever
17 that is, would you now tell me how you concluded
18 from the numbering of the panels *or* from the
19 times that the monitoring, internal monitoring
20 strip ran continuously from the time it was
21 starting to record, let's assume the latest
22 point at 8:00 a.m., till when it was
23 discontinued?

24 MR. MURPHY: I'm going to just
25 object because it was just asked **two** minutes ago

1 and answered. If you can answer the question,

2 A. Well, we can do a calculation, counselor, if you
3 want me to get my computer. We can assume about
4 8:00, and went to Panel 126. We can go from
5 panel -- yes, sir, I believe we can do the
6 calculation. I may be off by two or three
7 minutes.

8 Q. Okay.

9 A. If we take, for instance, 37, Panel 37, which is
10 a little bit earlier than 8:00, and I agree we
11 don't know, and that's Panel 37.

12 Q. Right.

13 A. And we go to 126, we subtract the two, is 89
14 panels with 5 minutes in a panel, that's 445
15 minutes, 60 minutes in an hour divided into that
16 would give us 7 hours and 25 minutes; and I
17 believe we calculated 7 hours and 20 minutes.

18 Q. We considered a little over seven hours.

19 MR. GOLDWASSER: Seven, seven and a
20 half hours.

21 MR. ILER: I think that's where we
22 are.

23 MR. GOLDWASSER: Between those
24 two.

25 A. If I did it correct.

1 Q. The question now then is **did** you **review** each of
2 those panels before rendering your opinion in
3 your letter report. of July, pardon me, June the
4 8th, 1987?

5 A. **Yes.**

6 Q. From your report of June 8th, **3987** you indicated
7 some of the items which you reviewed before
8 making up your report, that's true, but I notice
9 in your letter of June 8th you had not read the
10 deposition of the defendant Dr. **Robert**, Schwartz
11 before writing out your opinion, is that true?

12 A. **That's** correct.

13 e. You did not read the deposition of the
14 plaintiffs' expert Dr. David Abramson?

15 A. Correct.

16 Q. You did not read the deposition of Nurse Thomas
17 who was watching the monitoring strip?

18 A. Correct-

19 Q. From the medical records that we have in this
20 case, your report indicates on Page 2, if you
21 would not mind getting that, doctor, that on
22 July the 9th of '84 Mrs. Berlinger was admitted
23 to Mt. Sinai Medical Center for approximately
24 three hours for observation of early labor.
25 That's what you gleaned from the records?

1 A. Correct.

2 Q. And she was sent home?

3 A. Correct,

4 Q. And then she returns back to the hospital later
5 that evening and is admitted at approximately
6 11:00 or so?

7 A. Correct.

8 Q. Is she in labor then?

9 A. She is in very early **Patent** phase labor.

10 Q. When you say latent phase, what does latent
11 mean?

12 A. Before the active phase of labor.

13 Q. Well, anyhow, she is admitted and when she is
14 admitted your notes reflect that **the cervix was**
15 one centimeter dilated and 50 percent effaced,
16 right?

17 A. Correct.

18 Q. Where was the **baby** in position?

19 A. The position was not determined.

20 Q. It says effaced with the vertex at minus two
21 station.

22 A. That's station.

23 Q. Okay. Does -- let me see. I'll show you a
24 diagram, it's not anatomically exact, perhaps **it**
25 will help us, maybe **it won't**, but can I show you

1 this diagram. And I'll have it marked, if you
2 would.

3 - - - -

4 (Whereupon, Plaintiffs' Exhibit No.
5 7 was marked for purposes of identification.)

6 - - - -

7 Q. Okay. Doctor, I brought out a diagram and I had
8 it marked Plaintiffs' Exhibit No. 7 and it shows
9 in a way a baby's head coming in a position and
10 it's got a center line where it says zero then
11 minus one, minus two, minus three, a midpoint
12 and then it's got plus one, plus two, plus three
13 below the midpoint point.

14 Now, when Mrs. Berlinger has come to the
15 hospital and the station is -- this diagram, can
16 I use this diagram to indicate the baby's
17 station?

18 A. Yes.

19 Q. Now, when the lady comes into the hospital she
20 is at minus two station, am I correct?

21 A. As reported, yes.

22 Q. Okay. Can you mark or can I mark an arrow at
23 minus two admitted, can I do that on this
24 diagram? Would you mind doing that on this
25 diagram?

1 MR. GOLDWASSER: There is nothing
2 to suggest. you can't do it.

3 MR. MURPHY: Why don't you do it,
4 Don.

5 Q. What I'll do is next to minus two I'll put or

7 this baby was at minus two station?

8 A. Correct.

9 Q. From the time that she was admitted at 11:00 on
10 July the 9th of '84 did the baby's head ever
11 descend below zero station?

12 A. Yes, sir.

13 Q. And how far down below zero station did it go?

14 A. I believe plus one.

15 Q. What record, can you show me a record that this
16 baby descended below zero station?

17 A. Panel 106 here, sir.

18 Q. What does it say?

19 A. What I read on the chart is E to plus one, nine
20 centimeters, pit drip. Then I can't read that.

21 Q. What time would that monitor strip reflect?

22 A. 106 would be, if my calculations are correct,
23 1:21.

24 Q. Okay. And what the note shows on the monitoring
25 strip is a range on Plate 106 from zero station,

1 correct, and zero on our little diagram would be
2 right where the diagram says zero in the middle,
3 right?

4 A. Correct.

5 Q. And on the monitoring strip it shows zero to
6 plus one, so there is a range between zero,
7 according to this monitor note, and plus one?

8 A. Correct.

9 Q. Can we agree that the baby never descended from
40 the time of admission, insofar as stations are
11 concerned, anywhere below, giving the zero to
12 plus one interpretation on the monitoring strip?

13 A. Would you repeat that, counselor.

14 - - - -

15 (Thereupon, the requested portion of
16 the record was read by the **Notary**.)

17 - - - -

18 A. That's correct.

19 Q. There is a note in the progress notes, doctor,
20 if **you** would **not** mind turning to the progress
21 notes.

22 MR. MURPHY: What time?

23 MR. ILER: That **would** have to be at
24 3:30 on 7/10/84.

25 Q. Do you have that progress note?

1 A. Yes, sir.

2 Q. On the progress notes, what is the time that it
3 was written, the date and time?

4 A. 7/10/84, 3:30 p.m.

5 Q. What does it say?

6 A. You want me to read the note?

7 Q. Sure, yes.

8 A. Despite two hours of good pushing patient has
9 not brought head down past the zero, minus one
10 station, therefore, a symbol, will do cesarian
11 section.

12 Q. Go ahead.

13 A. Well, then there is red parentheses.

14 MR. MURPHY: That's mine.

15 A. Cervix-complete, pushing since approximately one
16 p.m., Dr. R. Schwartz present.

17 Q. We can conclude then at 3:30 p.m. in the
18 afternoon the baby's head never descended below
19 zero, minus one station, correct?

20 A. According to this note, correct.

21 Q. And we notice that Pitocin was administered,
22 Oxytocin was administered to Mrs. Berlinger, am
23 I correct?

24 A. Correct.

25 Q. What do you understand the reason to be why Dr.

1 Schwartz ordered that Pitocin to be
2 administered?

3 A. He felt that he had inadequate uterine
4 contractions that were related to a protraction
5 disorder and correctly augmented the labor with
6 Oxytocin.

7 Q. When we use Oxytocin, we have been agreeing for
8 a long time Oxytocin, Pitocin means the same
9 thing?

10 A. Correct,^H --

11 Q. So with the use of -- and when do you
12 understand, I think it was at 11:45 in the
13 morning that Pitocin was first administered to
14 this lady Heidi, right?

15 A. Your time, sir?

16 Q. 11:45.

17 A. Correct.

18 Q. What was the dosage?

19 A. I believe it was infused at two milliunits per
20 minute.

21 Q. That's how it was started, right, at two
22 milliunits?

23 A. I believe so.

24 Q. Was it done with an IV, right?

25 A. Infusion pump is my understanding.

1 Q. What do you mean?

2 A. It is a pump that regulates the infusion rate.

3 The settings are according to the dilution that
4 you have.

5 Q. Right.

6 A. I believe in this case they put ten units in 250
7 cc's.

8 Q. But through an IV?

9 A. Correct, yes.

10 Q. Now, the doctor believed that this lady now has
11 been in labor -- strike that. Strike that
12 question.

13 When do you believe that Heidi Berlinger
14 went from latent **labor** to labor, to legitimate
15 **labor**?

16 A. I don't understand your question.

17 Q. Okay.

18 A. To **labor** or legitimate labor.

19 Q. Okay. You **know** earlier you mentioned on your
20 report that she **was** in latent labor.

21 A. Correct.

22 Q. When she was admitted, and you characterize that.
23 labor **as** being what?

24 A. **As a** stage prior to active phase labor.

25 Q. Now, when do you believe that Heidi went into

1 active labor?

2 A. Somewheres between 9:00 and 10:00 a.m.

3 Q. What day?

4 A. The 10th of --

5 Q. July?

6 A. July.

7 Q. 1984?

8 A. Right.

9 Q. So then she was in active labor from that point
10 until when?

11 A. Until she reached full dilatation.

12 Q. And what time would that be?

13 A. That would be somewheres about 1:30, to about
14 1:30. It's difficult.

15 Q. So at 1:30 in the afternoon on July the 10th
16 active labor ceases in Heidi Berlinger, true?

17 A. The active stage of labor ceases.

18 Q. Now, we're going to be talking to jury people
19 who don't understand all of this medicine or may
20 understand some of it, so what I'll try to do,
21 and if you can do it without compromising your
22 medicine, maybe you can help us along.

23 Now, do I understand that her active labor
24 ended at about 1:30 in the afternoon of July the
25 10th of 1984?

1 A. At approximately 1:30 on that day she reached
2 full dilatation, which puts her into the second
3 stage of labor,
4 Q. Which is called what?
5 A. Which is called second stage of labor.
6 Q. Okay. All right.
7 A. At the time period from approximately 9:00 or
8 thereabouts to that time she was in what is
9 called the active phase of the first stage of
10 labor.
11 Q. Okay. And was she progressing normally during
12 that first stage of active labor?
13 A. After the use of the Pitocin augmentation, yes.
14 Q. No, before the use of Pitocin, **from** 9:00 -- oh,
15 I'm sorry. Okay. Go ahead. After the use of
16 Pitocin at 11:45, go ahead, sir, she was
17 proceeding normally in active labor, is that.
18 your judgement?
19 A. Correct.
20 Q. So everything was proceeding satisfactorily
21 insofar as the active stage of Heidi's labor is
22 concerned after the Pitocin was administered at
23 11:45?
24 A. That's correct.
25 Q. What is the protraction of active phase of

1 labor, what does protraction mean?

2 A. Protraction basically means that the expected
3 dilatation, centimeters per hour, that one would
4 expect during the active phase in a primigravida
5 patient was not being met. The curve, the
6 tracing of time **versus** dilatation **is flattened**
7 from the normal.

8 Q. Therefore, the use of Pitocin assists in that
9 regard?

10 A. I'm sorry.

11 Q. The use of Pitocin assists in that **regard**?

12 A. After evaluation **of** the patient who has a
13 protraction disorder of the active phase Pitocin
14 augmentation is one of the options and is within
15 the standard of care.

16 Q. Okay. When Pitocin was started on Mrs.
17 Rerlinger at 11:45 a.m. should somebody
18 personally be watching the effects of the
19 Pitocin on Mrs. Berlinger?

20 A. The answer to this relates back to the
21 discussion we had previously. With a continuous
22 monitor and an internal system in place you are
23 doing that **continuously**.

24 Q. Okay, So the answer to my question is what; no,
25 somebody does not, have to be standing **over** Mrs.

1 Berlinger watching the drip, drip, **drip** of
2 Pitocin into her?

3 A. That's correct.

4 Q. Okay. Is it true that wjth the use of Pitocin
5 the labor contractions become more severe?

6 A. Could you define severe?

7 Q. Increased in severity from **what** they were
8 without the use of Pitocin.

9 A. Well, if they were less than normal the Oxytocin
10 would bring their intensity to normal.

11 Q. And does the use of Pitocin extend the time of
12 the labor contraction?

13 A. The use of Pitocin generally would reestablish a
14 normal labor contraction frequency and
15 intensity. That is the objective of using the
16 Oxytocin or Pitocin.

17 Q. So is it true that in your judgement the use of
18 Fitocin on Mrs. Berlinger was to establish the
19 normal frequency of the contractions and the
20 normal severity of Mrs. Berlinger's
21 contractions?

22 A. If we can replace the word severity **with** the
23 ward intensity, yes.

24 Q. When you say intensity what do you mean by it?

25 A. I mean **as** measured by the internal pressure

I catheter in millimeters of mercury.

2 Q. Okay. Now, what was the basis or the baseline
3 for Mrs. Berlinger's contractions before the

4
5 A. She **was** having irregular contractions every
6 three to four, five minutes of an intensity that,
7 was **low**.

8 Q. And for **how** long a period of time had that been
3 going on before the use of Pitocin?

10 A. A good many hours.

11 Q. So then how, in your mind, do you determine what
12 the normal contraction would be in Mrs.
13 Berlinger with the use of Pitocin?

14 A. I **would** not know exactly what the normal is for
15 any one individual. I would only have a range
16 of normal.

17 Q. All right. What would you expect if you were
18 looking at Mrs. Berlinger while the Pitocin is
19 running?

20 A. I would like --

21 Q. What would you like to be looking at?

22 A. I would like to be looking at contractions that
23 are occurring every two to three minutes,
24 regular, with that regular frequency with an
25 intensity that was somewhere **between** 50 and 60

1 millimeters of mercury above the baseline.

2 Q. When you say with frequency, how frequent would
3 you like those contractions?

4 A. Every two to three minutes.

5 Q. With that formula that you have described on
6 what you would have liked to have seen did that,
7 in fact, occur to Mrs. Berlinger with the use of
8 Pitocin?

9 A. She began to get contractions that were of
10 increased frequency and intensity.

11 Q. After the use of Pitocin **did** they go to two to
12 three minutes per contraction?

13 A. Yes, fewer intervals of time.

14 Q. **And** also did the contractions with the use of
15 Pitocin on Mrs. Berlinger also accomplish the
16 purpose of the Pitocin?

17 A. Well, as we discussed earlier, the flattened
18 curve of time versus dilatation 'that allowed us
19 to make the diagnosis of protraction disorder
20 began to accelerate and come back to the normal
21 curve, and between 11:45 when the Pitocin was
22 initiated and 1:30 or thereabouts she had
23 progressed from five to **six** centimeters to full
24 dilatation.

25 Q. Okay. **So** at approximately 1:30 she is now fully

1 dilated, is that right?

2 A. That's correct.

3 Q. And what does that mean, for purposes of the
4 record, when you say fully dilated?

5 A. It means the cervix is approximately ten
6 centimeters or greater dilated.

7 Q. The cervix then is ready for the baby to descend
8 into, right?

9 A. Correct.

10 Q. All is in readiness for delivery with one
11 exception, the baby must now enter the birth
12 canal, true?

13 A. Must descend the birth canal.

14 Q. Right. Now, at the time Mrs. Berlinger reached
15 full dilatation of ten centimeters at 1:30, what
16 was the position of the baby's head in Rebekah
17 insofar as station is concerned?

18 A. Position as defined by a correlation of a
19 landmark of the fetal presenting part to the
20 landmark of the maternal pelvis is recorded only
21 one place, and I believe it's from the
22 transverse position.

23 Q. Well, doctor, if you would look at the progress
24 note of the 10th of July and at -- will you look
25 at the note of the progress note. July 10 at

1 12:30 there is a progress note. Would you take
2 a look. It says CX, what is that, at 12:30?

3 A. Cervix.

4 Q. FCM is what?

5 A. No, that's a 7.

6 Q. I'm sorry. Seven centimeters dilated, right?

7 A. Right.

8 Q. Then slash C. What is C?

9 A. Complete.

10 Q. And what is zero?

11 A. I didn't write this, but I imagine it's the
12 station.

13 Q. Can we conclude at 12:30 on July the 10th of
14 1984 this baby is at zero station?

15 MR. GOLDWASSER: You asked the
16 doctor what position now. You are confused,
17 Don, between position and station.

18 MR. ILER: That's all right;.

19 MR. MURPHY: It's not all right.

20 MR. ILER: I want to stay with
21 station.

22 Q. What station is the baby at at 12:30 in the
23 afternoon?

24 A. Well, according to this note, it's zero. I'm
25 getting confused on the times now. This is 106,

1 106 is 1:21, other notes -- I'm just trying to
2 check if these were other notes.

3 I think that's correct, counselor.

4 Q. Okay. So now the baby's head being at zero
5 station that we see from our diagram, Exhibit
6 No. 7, the baby's head is approximately in the
7 position shown on the arrows in this diagram, am
8 I correct, on the big line?

9 A. As you have pointed to that diagram at the left
10 of the ischiospines at zero station, correct.

11 Q. I'll mark in red at zero station 12:30,
12 7/9/84 -- 7/10/84, pardon me.

13 Now, doctor, insofar as the station of the
14 baby Rebekah, we know that at 7:30 there is a
15 progress note, also, which indicates that the
16 station of the baby is at zero station, minus
17 one, right?

18 A. That's what it says.

19 Q. Okay. At 3:30 in the afternoon on July the 10th
20 of 1984 the baby has been receiving Oxytocin or
21 Pitocin for close to four hours, right?

22 A. Correct.

23 Q. The dosage of Pitocin was increased from its
24 initial dosage of two millileters to -- two
25 what?

1 A. Milliunits.

2 Q. Milliunits to how many milliunits?

3 A. I believe it was doubled to four, and I can't
4 determine from the records whether it was
5 increased beyond that, but I don't believe so.

6 Q. Okay. Would it make any difference to you as to
7 whether or not the Pitocin was increased beyond
8 four milliunits?

9 A. No.

10 Q. It would make no difference in your medical
11 judgement as to whether or not the increase of
12 Pitocin in Mrs. Berlinger increased beyond four
13 milliunits despite the fact the child had not
14 descended beyond zero station?

15 A. No, because I have the monitor strip regarding
16 uterine contraction frequency and intensity and
17 I have no significant abnormality recorded on
18 that monitor.

19 Q. Okay. Now, did the child Rebekah ever descend
20 below station, zero station before the cesarean
21 was performed.

22 MR. GOLDWASSER: The doctor has
23 answered that question already.

24 Q. Did you, did you answer that?

25 A. Well, we spent time on Panel 106, counselor,

1 that says zero to plus one.

2 Q. And the cesarean was performed at about 4:14 or
3 4:12 in the afternoon?

4 A. The baby was delivered at 4:14. The cesarean,
5 preparation for and incision I believe was made
6 at 4:04.

7 Q. Now, do you believe that based upon reasonable
8 medical certainty that Pitocin should be stopped
9 in a patient who is suspected of having a
10 cephalopelvic disproportion?

11 A. Are you through with the question? I'm sorry.

12 Q. Yes, I am.

13 A. Now I have to have it repeated.

14 - - - -

15 (Thereupon, the requested portion of
16 the record was read by the Notary.)

17 - - - -

18 A. Absolutely not.

19 Q. If there is a **cephalopelvic** disproportion, does
20 that mean that the baby's head is bigger than
21 the pelvis of the mother?

22 A. No.

23 Q. Okay. What do you understand **cephalopelvic**
24 **disproportion** to be, what is that?

25 A. First, determination of **cephalopelvic** is made

1 retrospectively after one has evaluated the
2 situation. What it is is the relationship
3 between, if you will, as simplistic as I could
4 explain it to you, the power, the passenger and
5 the pelvis.

6 Sometimes the, quote, "cephalopelvic
7 disproportion" may be due to inadequate uterine
8 contractions that need Pitocin. Sometimes the
9 pelvis is of adequate size and the passenger is
10 too big. Sometimes the passenger is of normal
11 average size and the pelvis is too small. It's
12 a relationship between those three parameters.

13 Q. Is it your medical opinion that Rebekah
14 Berlinger's head or skull was too big for her
15 mother's pelvis?

16 A. I'm sorry. There is one word you said in there
17 that I didn't hear. Stuck?

18 - - - -

19 (Thereupon, the requested portion of
20 the record **was** read by the Notary.)

21 - - - -

22 A. It would either be that the head was somewhat
23 larger than the size of the pelvis or that there
24 was a position change from the normal
25 well-flexed head.

1 Q. Hypothetically speaking, if Rebekah's head was
2 too big to pass through the pelvis of the mother
3 you could not deliver this **baby** vaginally?

4 A. That's correct.

5 Q. If it was determined that her head, Rebekah's
6 head, in fact, was too big for her mother's
7 pelvis should you do a cesarean as quickly as
8 possible after making that determination?

9 A. No.

10 Q. Okay. And you indicated earlier you still would
11 not stop Pitocin once you recognized that the
12 baby's head was too big for the mother's pelvis?

13 MR. GOLDWASSER: Objection. I
14 don't think that's what he said at all.

15 A. That is not what I said.

16 Q. Okay. Thank you. If you learned while the
17 mother is getting Pitocin that the baby
18 Rebekah's head is too big **for** her mother's
19 pelvis and cannot be delivered vaginally, would
20 you stop the use of Pitocin?

21 A. I would stop the use of Pitocin when I made the
22 decision to do the cesarean section for
23 cephalopelvic disproportion.

24 Q. When would that be, doctor?

25 A. In this case **Dr.** Schwartz made this decision

1 after two hours of full dilatation, appropriate
2 time for Mrs. Rerlinger to push and to try to
3 effect the descent of the baby's head.

4 3:30 in this case would be the answer,
5 counsel.

6 Q. Would you change your mind on the timing to do
7 the cesarean section insofar as Mrs. Rerlinger
8 is concerned if Mrs. Rerlinger was pushing and
9 gushing ineffectively during her labor?

10 A. I don't know what that means, pushing
11 ineffectively. I'm sorry, counselor.

12 Q. If during the point in labor Mrs. Rerlinger is
13 determined that she is not getting any result
14 from her pushing during the labor contraction,
15 you know, would that alter your opinion as to
16 when you would do the cesarean section?

17 A. What would alter my decision would be less
18 related to her perception of pushing as it would
19 to the progress that was being made in the
20 descent of the fetal head.

21 After a period of time, which was
22 appropriate in this case, where no further
23 descent, it arrested, there was an arrest of
24 descent, and during which time the fetus was, in
25 my opinion, positioned to be all right, at that

1 point I would have stopped and done the cesarean
2 section.

3 Q. All right. And would you have done the cesarean
4 section early if active labor failed to
5 progress?

6 MR. GOLDWASSER: Objection. Early
7 is a relative term. I object to the question.

8 Q. He objects to the question. Let me give a
9 nonobjectionable question.

10 We know the decision to do the cesarean
11 section was made by Dr. Schwartz at 3:30 p.m.,
12 true?

13 A. Correct.

14 Q. Let us assume that there is a point earlier than
15 that that is earlier than 3:30 when active
16 progress of labor has ceased in Mrs. Berlinger,
17 would you then change your mind and make an
18 earlier time, earlier than 3:30 p.m. to do the
19 cesarean?

20 MR. MURPHY: Objection.

21 MR. GOLDWASSER: The record should
22 reflect --

23 MR. ILER: Just make an objection.

24 MR. GOLDWASSER: At 3:15 a nurse
25 said, Dr. Schwartz examined, no progress, will

1 do C-section. There is a progress note written
2 by a doctor at 3:30 that says C-section will be
3 done, but the nurse says Dr. Schwartz decided.

4 MR. ILER: What do you want to do?

5 MR. GOLDWASSER: I want you to use
6 facts accurate in the record.

7 MR. ILER: What fact do you want?

8 MR. GOLDWASSER: 3:15.

9 Q. Doctor, let's change this question around and
10 say at 3:15 Dr. Schwartz has indicated to
11 somebody he is going to do the cesarean section
12 and you find that there has been no active
13 progress of labor; would you change your mind of
14 doing the cesarean earlier?

15 MR. MURPHY: Objection.

16 A. I'm not trying to -- it's hard for me to
17 understand the question.

18 MR. MURPHY: That's why I object.

19 A. At 3:15 or 3:30 Dr. Schwartz, as I reviewed the
20 case, looks back **over** two hours of full
21 dilatation, plus or minus a certain period of
22 time.

23 Q. Right, right,

24 A. And he **says** fully dilated, good pushing, I have
25 **not**, I do not observe further descent of the

1 fetal head. I'm going to do a cesarean
2 section.

3 He has to experience that time period which
4 is normal accepted standard of obstetrical care
5 and then look back over that period of time in
6 order to make that decision. He can't start
7 back here at full dilatation and say, well, she
8 is now fully dilated and zero station, I'm going
9 to do a cesarean section, that would be a
10 deviation from standard of care, because there
11 is no reason to do the section.

12 Q. He has no reason to do the section when?

13 A. When she reaches full dilatation.

14 Q. Okay.

15 A. She has now reached full dilatation. He then
16 within good obstetrical care allows a period of
17 time, as long as the fetus is okay, to allow
18 this lady to deliver vaginally by pushing. At
19 that point he then looks back and he said in
20 retrospect here, I am two hours, I'm not going
21 to go any further. I'm going to stop because
22 there is no further descent.

23 Q. Was that the main reason that Dr. Schwastz
24 decided to do the cesarean was because the
25 baby's head had not descended into the birth

1 canal?

2 A. Well, I believe in the operative report,
3 discharge summary I think he also, somebody also
4 adds on, I say I think there is a couple of,
5 question of fetal stress or mild decelerations.

6 Q. Was it two reasons then, mild decelerations and
7 also --

8 A. I need the records in order to answer. If I
9 understand the question asked me is why he did
10 the section. That's his primary reason for
11 doing the section.

12 Q. If that's your judgement.

13 A. Fine.

14 Q. During the period of time that the Pitocin was
15 running, that would be from 11:45 until the time
16 that it was stopped, approximately shortly
17 before the cesarean section, was Mrs. Berlinger
18 still going through labor contractions?

13 A. Yes.

20 Q. During the period of contractions between 11:45
21 and the time that the cesarean was done was
22 there pressure exerted on Rebekah the fetus in a
23 downward position?

24 A. You mean was there fundal dominance?

25 Q. What is fundal dominance?

1 A. Fundal dominance reflects coordinated
2 contractions that begin in the cornual, the
3 sight and left cornual.

a Q. The upper portion?

5 A. The upper portion of the uterus that then comes
6 down from the upper myometrium, upper segment,
7 the midsegment, the lower segment establishing
8 fundal dominance and downward pressure.

9 Q. I'm interested in downward pressures. Was that
10 occurring?

11 A. There is absolutely no way one can determine
12 that.

13 Q. There isn't?

14 A. Not by the methods that were involved in this
15 case.

16 Q. Isn't there a way to tell by clinical feeling **by**
17 a trained physician as to whether or not there
18 is pressure being exerted downward to the fetus?

19 A. The only objective way of establishing fundal
20 dominance is to have a series of tocodynamometer
21 or internal myometrium balloons at the upper and
22 mid and lower and to establish the propagation
23 of the wave in a downward. A clinical
24 observation would give a feeling, but the best
25 evidence of downward pressure would be further

I dilatation, effacement of the cervix and descent
2 of the head. Those are the clinical parameters
3 that we use to coordinate with this downward
a pressure concept that you have asked me about.

5 Q. Is it your medical judgement that after the
6 Pitocin was used that there was no downward
7 pressure on the fetus?

8 A. If we determine -- are you asking me after 3:30
9 when the Pitocin was turned off?

10 Q. Yes. After it was turned off. I want your
11 opinion as to between the period of time from
12 11:45 when the Pitocin was started until it was
13 turned off at say approximately 3:30 in the
14 afternoon, was that baby being propelled
15 downward by the contracting force of the uterus?

16 A. Well, obviously there was no descent of the
17 baby's head beyond zero station, as you have
18 identified zero to plus one station in the
19 diagrams. But at the same time the downward
20 pressure that I agree has been exerted was not
21 being excessive because there was no molding of
22 the fetal head. Neither described by clinical
23 examination of Rebekah Berlinger during the
24 labor nor in the immediate newborn period could
25 I find a description of abnormal molding.

1 There is always, **thank** God, a normal amount
2 of molding that we all go through as we descend
3 the canal. It was created this way to allow us
4 to accommodate to our moms' bony pelvises, but
5 there was no excess molding.

6 Q. How would you describe that excess molding?

7 A. I would describe excess molding as clinically
8 suspected by the inability to determine **suture**
9 lines in fontanelles on the baby's presenting part
10 and an actual deformation of the skin with
11 formation of edema over the baby's head, the
12 scalp.

13 e. How about a misformation of the forehead?

14 A. That's a general statement, counselor. A
15 misformation of the forehead, there is no
16 normal, what a normal forehead looks like on
17 birth. I think **we** all have different foreheads.

18 Q. Would you consider then a dysmorphic
19 presentation of the forehead to be indicative of
20 this kind of pressure which **was** excessive on the
21 baby's head?

22 A. No. A dysmorphic would appear differently.

23 Q. Doctor, insofar as meconium is involved, **we know**
24 the individual --

25 A. **As** far as what is involved?

1 Q. Meconium. These is no question **it** was heavy
2 meconium on delivery of Rebekah, wasn't that
3 right?

4 A. I'm sorry, sir. I don't mean to be rude, hut
5 meconium.

6 Q. Right.

7 A. And the question was was meconium found? Yes.

8 Q. Was **it** in heavy quantities?

9 A. The meconium was found at the cesarean section
10 and the quantity **I'm** not sure. There was enough
11 of **it** so that appropriate and immediate
12 intubation in attempting to **suck** out that
13 meconium **was** done, I believe, three times.

14 Q. What did that mean to you insofar as when the
15 meconium occurred first; does that, give you any
16 indication?

17 A. Does what give me an indication of when --

18 Q. The heavy meconium which was found.

19 A. It could have occurred -- well, we know, if the
20 records are correct, at 8:00 a.m. artificial
21 rupture of membranes is clear fluid, and I don't.
22 remember seeing any note about any meconium
23 during the labor in the **doctor's** notes or the
24 nurses' notes that I reviewed until clearly
25 there was meconium noted at the time of cesarean

1 sectinn?

2 A. Right.

3 Q. Right.

4 A. The baby was given to Dr. Lee, I believe and --
5 I don't know **it** is Dr. Lee. The pediatricians
6 in the room who immediately intubated, which is
7 the important part of the management of the
8 meconium here.

9 If it's found at delivery, it's not there
10 at 8:00 and there is no notes all the way along
11 the line here, I can't answer the question. I
12 don't know when the meconium was passed.

13 Q. Meconium **can** result from stress on the fetus, is
14 that right?

15 A. That's one of the causes, yes.

16 Q. **Did** you find any evidence of stress on the fetus
17 between 8:00 a.m. in the morning and the
18 **delivery** of the child at 4:12 or 4:14?

19 A. Any stress that has ~~me~~ concerned or any stress?

20 Q. Any stress.

21 A. If **we** use the appearance of some isolated and
22 nonpersistent **early** -- I'm sorry, late
23 decelerations, there are a couple of those
24 somewheres through there.

25 Q. When did they occur, the late decelerations?

1 A. I'm not sure, questionable where they are, what
2 they are. I think if you go to panel --

3 Counselor, can I go back? Are you asking
4 me about decelerations, when decelerations are
5 occurring, because I can go through here and
6 pick out any of these. These are isolated
7 nonpersistent early decelerations.

8 Q. I would like to have you --

9 A. Do you want one particular or a series of a
10 couple that you want me to interpret? I don't
11 know what you want me to do.

12 Q. See, you have given an opinion that in reading
13 the monitoring strips you find no decelerations
14 which cause you any concern, am I correct.?

15 A. That's correct.

16 Q. All right. And I want to test your opinion by
17 you going over and finding for me each
18 deceleration, where it is and tell me whether it
19 is early, whether it is late or whether it is
20 variable or whether there is a beat-to-beat
21 problem that you see so that I can take your
22 opinion and have it matched as to what somebody
23 else may think is a late deceleration, is an
24 early deceleration, is a variable deceleration
25 or is a beat-to-beat deceleration, so then I'm

1 in a better position to evaluate your opinion,
2 see?

3 MR. MURPHY: Can I ask you a
4 question? Do you want to match it with somebody
5 else's? Can we match it with at least the
6 timeframe of Dr. Abramson?

7 MR. ILER: No. I want to know what
8 his judgement is on these panels.
9 Do you want me to start in the beginning of the
10 monitor strip.

11 Yes, sir, that would be wonderful. Just run
12 through each of those plates so I can understand
13 the foundation for your judgement.

14 I thought your original question was where you
15 found ominous, where I found ominous
16 deceleration.

17 No. I'm sorry. I want you to start with the
18 very first plate. I think you said it was 37?

19 MR. GOLDWASSER: Internal or
20 external or both?

21 MR. ILER: I'm sticking with
22 internal.

23 We have agreed that internal is beginning at
24 37. Now, during the period -- do you want me to
25 go 37, 38, 39?

1 Q. That's it, that's exactly right.

2 A. Okay. 37, there is a pattern of reactive
3 tachycardia probably due to the placement of the
4 internal electrode.

5 Q. Okay.

6 A. You want an interpretation of significance to
7 the fetus?

8 Q. No.

9 A. Or do you just want classification?

10 Q. Just tell me what your thinking is with Plate
11 38. If you want to comment go ahead.

12 A. Excellent condition of the baby.

13 Q. All right.

14 A. The reactivity continues through 38, 39, 40.
15 Baseline heart rate is 150 with good charted
16 long tern beat-to-beatvariability. Panel 41
17 may have an early deceleration. 42, an early
18 deceleration but the reactive tachycardia
19 continues reflecting no concern on my part for
20 the fetal condition.

21 Panel 45 and 46 shows --

22 Q. What happened to 43 and 44?

23 A. 43 and 44?

24 Q. Yes.

25 A. 43 is, I think I just said, has an early

1 appearing deceleration. 44 looks fine, may have
2 a very slight early deceleration.

3 Panel 45, when you get to variables,
4 variables cannot be determined by simply one
5 panel. You have to look at the profile of
6 panels because they vary from one to the other
7 But 45, 46 look to me as the possibility of a
8 variable deceleration.

9 47 shows nice reactive tachycardia.

10 Q. Is that tachycardia on 47?

11 A. Reactive tachycardia, yes. 48 has variable
12 appearing --

13 Q. Decelerations?

14 A. Correct Good variability. 49 there is a
15 deceleration of probably the early type.
16 Through 50, 51, 52, 53. There are some early
17 decelerations, greatest deceleration being about
18 25 beats per minute with heart rate of about
19 150.

20 Panel 54, and these are always plus or
21 minus a couple of minutes here where we go
22 forward or backwards, there is no decelerations
23 associated with the contraction. Another early
24 in 55.

25 57 appears like an early, may have the

1 characteristics of a variable, it's
2 indeterminate.

3 59 has some nice reactive tachycardias.
4 This may be an acceleration pattern which
5 reassures me, this acceleration pattern assures
6 me of good fetal oxygenation.

7 62, 63, good beat-to-beat, again a reactive
8 tachycardia or an acceleration pattern. 65, 66,
9 67 fine, good.

10 Q. Was that a deceleration then?

11 A. Where is that?

12 Q. At 65, 66 and 67.

13 A. No. 65, 66 and 67 the heart rate looks fine to
14 me.

15 Q. I was *just* interested in knowing --

16 A. You want to know ~he::the deceleration are?

17 Q. Yes. I want you to look through a17 of these.

18 A. You want me to go through and identify only the
19 decelerations?

20 Q. I thought that's what you were doing.

21 A. I thought you wanted me to look at each panel
22 and give you an interpretation.

23 Q. No. What I want from you, doctor, is your
24 decelerations, your variables, your lates,
25 that's all I want.

1 A. The ominous stuff, you don't want the
2 innocuous?

3 Q. Listen to me carefully. What you call ominous
4 some other physician may not think it's
5 ominous. You **may** look at an early deceleration
6 and somebody else may look at **it** and say that's
7 a late deceleration.

8 A. Fair enough.

9 Q. So what I'm trying to get, from you is your
10 opinion on each plate that you consider to be a
11 deceleration or a variable so I can say this is
12 what Dr. Mann says about this, see.

13 So we are -- apparently 65, 66 and 67 are
14 okay, you wouldn't include those as a
15 deceleration. Okay. Just if you want to just
16 go right ahead.

17 A. Panel 73, maybe there is an early deceleration
18 there. 74 may be a mild early. Good reactive
19 tachycardia throughout here at 77, 78, 79.

20 Q. They're normal then or are they tachys?

21 A. No, those are nice reactive tachycardias. Those
22 are reassuring.

23 Q. Without the characterization, because it's
24 confusing me, about your reassurance, the only
25 thing I want to **know** is are they evidence of

1 tachycardia or no, if you would, doctor.

3 A. Counselor, there are different types of
3 tachycardia. There is persistent tachycardia of
4 the baseline, there are intermittent
5 tachycardias that are in relation to uterine
6 contractions, and then there are tachycardias
7 that are related to fetal movements. There are
8 all kinds of tachycardia. It's hard for me to
9 understand what you want or don't want me to do.

10 Q. If you say a tachycardia that is a result of
11 fetal movement I think that would be fine,
12 okay.

13 A. Most of what I see here as tachycardias are
14 reaction to fetal movement or uterine
15 contraction which prognostically is --

16 Q. Is that 74 or 75?

17 A. This is the whole record.

18 Q. What whole record?

19 A. As we are going along here there are, has been
20 these recurrent reactive tachycardias to fetal
21 movement or uterine contractions. I have not
22 seen to this point a persistence of a baseline
23 tachycardia above 160 or so.

24 Q. Okay. What panel are we on now?

25 A. We are up at Panel 88.

1 Q. What happened from 74 to 88?

2 MR. GOLDWASSER: You just told him
3 to go through, Don.

4 MR. MURPHY: You said just tell me
5 when there is a deceleration.

6 Q. My question is is **there** anything on 74 to 88.

7 MR. MURPHY: **He** said on 74 there
8 might be a slight mild deceleration.

9 MR. ILER: I have a mild early
10 maybe. Now that's the last record I have.

11 A. Panel 84 there is a deceleration that cannot be
12 determined because there is temporary
13 discontinuation of the toco.

14 Q. Doctor, would you listen to me for just a
15 minute? Between Panel 74 and 88 is there
16 anything there insofar as a deceleration?

17 MR. GOLDWASSER: Don, you have got
18 to **get** your act together.

19 MR. MURPHY: It would be nice if
20 you listen to your own question. **You** asked him
21 to **go** through and **call** to your attention when he
22 has seen a deceleration so he has gone from 74
23 to **84**.

24 Q. That's my only question. There are none between
25 **74 and 88**. I'm just confirming a point. Am I

1 right?

2 A. Yes, other than the suggestion of maybe a few
3 early, mild early decelerations.

4 Q. And when are those, what panels show me mild
5 early deceleration? That's what I want.

6 A. 78. Maybe 77.

7 Q. Okay.

8 A. Now, counselor, where are we?

9 Q. I'm at panel 78.

10 A. My instructions now are to go to the next
11 deceleration?

12 Q. Wait a minute. Hang on a minute here. You see
13 what I want from you, doctor, is as you go
14 through these panels, and we are now at 78, what
15 I want is your opinion on each of the panels as
16 to whether like Panel 79 or 80 or 81, which will
17 follow, indicate some kind of a deceleration, a
18 beat-to-beat variability or a late or early
19 deceleration in **your** judgement so that when I
20 finish all of the panels I'll know what your
21 opinion is as to each panel as to whether they
22 show a deceleration which is either a late one
23 or is an early one or is a mild early or is a
24 mild late or is a variable.

25 A. Earlies, lates and variables with mild moderate

1 or severe. You don't want to hear about
2 acceleration patterns? I want to follow your
3 instructions, counselor, as best I can. I'm
4 very confused at this point.

5 Q. I'm really interested in the deceleration here.

6 A. Okay. 79 --

7 Q. Let me help you a bit. The next panel is 79.

8 Okay. Does that show a deceleration?

9 A. No, it does not.

10 Q. Does 80?

11 A. 80?

12 Q. Panel 80.

13 A. Maybe a mild early deceleration.

14 Q. How about Panel 81, does that show a
15 deceleration of any kind?

16 A. No, sir.

17 Q. And 82?

18 A. No, sir.

19 Q. 83?

20 A. There is something here on 83 but there is no
21 contraction, so there is a very mild something,
22 some type of deceleration.

23 Q. You can't identify whether it's early or late?

24 A. No, sir.

25 Q. What panel was that?

1 A. 83.

2 Q. All right. How about Panel 84?

3 A. 84 there is a deceleration.

4 Q. And how long does it last?

5 A. That's approximately a minute -- no, two

6 centimeters, about 45 seconds.

7 Q. Okay. And the next panel, Panel Number 85?

8 A. 85, no deceleration.

9 e. 86?

10 A. There is, from 86 there is an increase in

11 this -- you don't want me to comment on that.

12 Q. That's all right. Comment.

13 A. There is no specific deceleration.

14 a. On 86?

15 A. Correct.

16 Q. 87?

17 A. Maybe mild early.

18 Q. 88?

19 A. No, sir.

20 Q. 89?

21 A. No, sir.

22 Q. 90?

23 A. No, sir.

24 Q. 91?

25 A. 91 is where I would have gone to if I had gone

1 specifically to the way **we** started this. These
2 have -- it's hard to classify these.

3 Q. When you say these, do you mean P1, 92, 93?

4 A. 91, 92, 93.

5 Q. Okay.

6 A. There are just three of them and then 94, 95, 96
7 **other** than a 160 beat per minute baseline heart
8 rate with good beat-to-beat variability, you
9 don't see them.

10 Q. I'm confused. Start me back, doctor, with Panel
11 **Number 91**. Do you see any decelerations on 91,
12 92 and 93?

13 A. *Yes, sir.*

14 Q. How do you classify them?

15 A. **I would** classify them as early decelerations.

16 Q. All right. And then with 94, 95 and 96, are
17 there any decelerations in those panels?

18 A. No.

19 Q. And are there any variabilities in those
20 panels?

21 **MR. MURPHY:** I'm trying to figure
22 out what he is asking. Any variable
23 decelerations?

24 **MR. ILER:** Yes, right.

25 A. There is on Panel **93** a deceleration which

1 doesn't really fit into any classification. It
2 might very well be a variable, somebody might
3 call it a deceleration, somebody might call the
4 91, 92 a mild deceleration. It would have no
5 significance to me because it does not persist.

6 Q. Your next panel would be?

7 A. 94, 95 no deceleration. 96, 97, 98, 99 no
8 deceleration.

9 Q. Okay. And the next ones?

10 A. Where were we?

11 MR. MURPHY: 99 you left off.

12 A. 99, no deceleration.. 100, maybe a mild early
13 maybe in 101 or just over the hundred mark maybe
14 a mild early, 100 -- you don't want
15 accelerations.

16 102 has a little acceleration. Maybe a
17 little deceleration as an early, I'm not sure
18 whether that's just not normal changes. 103,
19 maybe a mild early. 104, mild early.

20 In each of these my determination of them
21 being an early is that they return to the
22 baseline heart rate by the time the pressure has
23 reoccurred, has returned to baseline.

24 104, again mild early. 105, no
25 deceleration. 106, a nice -- sorry. I'm not

1 supposed to identify acceleration patterns.

2 Q. You can if you want to. If you want to offer it.
3 in go ahead.

4 A. 107, it's hard to tell because the uterine
5 contraction is not recording well. Again I
6 would say that's an early, though.

7 Q. Why isn't the uterine contraction recording
8 well?

9 A. Well, this happens **from** time to time. It
10 depends upon the pressure being reflected in a
11 tube that's passed into the uterine cavity and
12 that tube very frequently gets blocked, you have
13 to flush it through. This is a very frequent
14 occurrence.

15 I believe at this point already she is now
16 pushing.

17 Q. What time would that be?

18 A. We're at Panel 108. 110, we are beginning to
19 see, we're about 2:00, I believe, sir, and **from**
20 this point forward we have multiple -- let me be
21 a little **more** specific.

22 Panel 108 to Panel 113 **we** see decelerations
23 that somebody might call earlies, somebody may
24 call them variables. They are not late
25 decelerations.

1 Q. Okay.

2 A. Panel 113 -- I'm sorry. Panel 114 to, through
3 Panel 117 is very reassuring. These is an
4 acceleration pattern. I'm sorry.

5 Q. All right. There is an acceleration pattern.

6 A. 117, you have got some moderate early or
7 variable, it's very hard to distinguish these.
8 It is not an uncommon pattern when a lady is
9 pushing in the second stage of labor, these are
10 not deep decelerations, there is a good return
11 to baseline in between them with good
12 beat-to-beat.

13 Q. What is your conclusion?

14 A. My conclusion is that --

15 Q. 114 to 117 are okay, moderate, earlies or what?

16 A. 114 to 117?

17 MR. MURPHY: He has commented.

18 A. I believe we just commented on.

19 Q. What was --

20 MR. MURPHY: 117 to something.

21 Q. To what, sir?

22 A. 117 -- the reason that I get into looking at the
23 pattern of panels, a number of panels is because
24 no interpretation of a monitor, of the monitor
25 heart rate and its relationship to contractions

1 can be made by one panel. You have to look at a
2 profile of these.

3 Q. So you are looking **from** 117?

4 A. 117.

5 Q. To where?

6 A. To basically to the end.

7 Q. **What** would the end be, Panel 116?

8 A. 126, sir.

9 Q. What do you see in there?

10 A. I see periods of **early** or maybe they're variable
11 decelerations that at most are of 30, 40 **beats**
12 **maximum**, never much **below** 120 beats per minute.
13 They always recover. There is good
14 beat-to-beat. There continues to be **some good**
15 reactive tachycardia and acceleration.

16 Q. so --

17 A. I'm not particularly concerned about the baby at
18 this point.

19 Q. In concluding, **from** Panels 117 to Panel 126 you
20 see some of those as being early and variable
21 decelerations, is that true?

22 A. I **said they** may. I don't **know** what they are,
23 early or variables.

24 Q. You cannot tell **me** what they are?

25 A. I can tell you what they are not.

1 Q. What are they not?

2 A. They are not late **decelerations**.

3 Q. Okay.

4 A. And they are not severe variable decelerations.

5 Q. **Okay.** That's fine. Now we have concluded with
6 the monitoring strip, doctor, and I want to take
7 a ten minute break for just **a** minute and see how
8 far we have to go.

9 - - - -

10 (Thereupon, a recess was had.)

11 - - - -

12 Q. **Okay. Let's** go to the doctor's notes, if you
13 would, doctor. These are Exhibit No. 1, they
14 are your notes that you made during your review
15 of this case. On **page, it** looks like the second
16 page under orders, which are orders that you
17 have marked, I can't read the first line after
18 orders,

19 A. These are just some notations from the external
20 monitors. 20 minutes every two hours.

21 Q. What does that mean? Was that the orders the
22 doctor made?

23 A. Yes.

24 Q. That was done, right?

25 A. In fact, I don't know what time that **refers** to

1 but she had a continuous monitor on.

2 Q. The next line, Pitocin begun at two?

3 A. Two milliunits per minute.

4 Q. Underneath that it says what?

5 A. Mefoxin at cesarean section. It's an
6 antibiotic.

7 Q. Then you have an asterisk and it says what?

8 A. It says there is an order for activity in the
9 postoperative orders ad lib, and I say
10 inappropriate.

11 Q. What is that, what do you mean by that.?

12 A. Why did I write inappropriate?

13 Q. What does the whole thing mean? Why did you
14 write inappropriate and --

15 A. The order was written for activity ad lib as the
16 patient wanted to get up and walk around, and my
17 feeling was that she **had** a spinal headache and I
18 just as soon her not up walking all over the
19 place. Inappropriate. Deviation from standard
20 of care, no, just not appropriate.

21 Q. At the top of the Page 2 you have got what looks
22 to be with an asterisk, it's got FHT, fetal
23 heart rate, is that mild late decels?

24 A. Correct. That's from the nurses' notes.

25 Q. Okay. That's when you believe she was given

1 oxygen and turned on her left side?

2 A. I believe so.

3 Q. That's appropriate for a late deceleration,
4 that's what you should do or not, it doesn't
5 make any difference?

6 A. It's not inappropriate. Yes, it's appropriate,

7 Q. Is it necessary to turn the patient on the left
8 side and give her O2 after a couple of late
9 decels?

10 A. You mean in general?

11 Q. Yes. Is it required? Do you do it?

12 A. Yes.

13 MR. ILER: Pat, I have trouble
14 reading all of his writing. Do you want him to
15 transcribe this and send it to you or do you
16 understand it all?

17 MR. MURPHY: I haven't read it
18 all.

19 MR. ILER: I'm having a little
20 trouble reading it and I don't know whether I
21 should take the time to go through his notes,
22 maybe that would be actually easier.

23 A. Actually you are doing a wonderful job of
24 reading my writing, counselor.

25 Q. I just don't want, to misinterpret.

1 MR. MURPHY: Why don't we do this,
2 at the outside if there are particular things
3 that you say, I don't know what that means, call
4 me and I'll call Dr. Mann and I'll get back to
5 you. I'm not going to impose on him to sit down
6 and dictate this for us.

7 Q. On the first page at this point where it says --

8 A. Uterine size equal 14 weeks.

9 Q. We already got that. No allergies?

10 A. Allergies Erythromycin, codeine. This is all
11 taken from the --

12 Q. The hospital record?

13 A. There is nothing that appears on the first two
14 pages other than what you have identified as
15 order for activity ad lib --

16 Q. Okay.

17 A. -- that is not in the chart **somewheres** and at
18 some point I put it into my notes.

19 Q. Okay. Do **you** know Dr. Schwartz?

20 A. No, I do not.

21 Q. Dr. Nudelman?

22 A. No.

23 Q. Do you do any work at Mt. Sinai?

24 A. No, sir.

25 Q. The **second** last page, would you turn to that,

1 doctor?

2 A. Second to last page?

3 MR. MURPHY: Exhibit 5, Don?

4 A. Okay.

5 Q. On 5 **there** are some notes here that say, I think
6 **it** says ominous decelerations?

7 A. No, sir. That says, right there it says
8 gushing, decelerations, accelerations, and **it**
9 says no bradycardia or ominous decelerations.

10 Q. Okay. 4:14 you have marked as the delivery on
11 that page?

12 A. Right.

13 Q. Under the summary portion?

14 A. Yes, sir.

15 Q. What is the first thing **it** says, number 1?

16 A. It says need cord gases.

17 Q. Who needs **cord** gases?

18 A. We need to, I need to inquire of whether there
19 were cord **gases** obtained.

20 Q. why? Why do you need the cord gases?

21 A. It's not that I need the cord gases. It would
22 be a question of -- on Page 3 I write the same
23 thing up there, question **mark** result of cord
24 blood gases.

25 Q. Yes.

1 A. I'd like to know if cord blood gases were done
2 and what the result was to help me interpret the
3 case.

4 Q. Yes. And what will cord gases give you?

5 A. Cord blood gases will give me the pH, the PCO2
6 and the PO2.

7 Q. All right. And that would be during labor?

8 A. No, sir.

9 Q. During?

10 A. Cord. That's -- cord is only in the newborn
11 period.

12 Q. And did you ever get those?

13 A. I believe I was told that they were not done.

14 Q. Okay. And so, therefore, what information can
15 you not have because there is no cord gases
16 done?

17 A. I cannot have the information of the pH, PO2 and
18 POC2 on the cord on delivery.

19 Q. What, would those relate as to whether the child
20 was acidotic?

21 A. That's correct.

22 Q. Number 1 under summary, would you tell me what.
23 that is?

24 A. It says labor and delivery management. okay.

25 Q. Okay. And Number 3?

1 A. Monitor, it says occasional earlies, mild, few
2 variables, not persistent.

3 Q. Okay. Number 4?

4 A. It says no encephalopathic picture.

5 Q. What does that mean?

6 A. It means the newborn did not have any picture
7 that was suggestive of hypoxic encephalopathy.

8 Q. And then Number 5?

9 A. It says dysmorphic picture.

10 Q. What does dysmorphic mean?

11 A. Dysmorphic means abnormalities in the morphology
12 of the individual.

13 Q. Okay. And what do you have under that?

14 A. I have -- these are all from the notes of people
15 that are written here. Hypontonia, questionable
16 hearing loss, hemivertebra.

17 Q. Okay. And then Number 6?

18 A. It says syncope dash dizziness and postpartum
19 seizure. The question I'm asking was the
20 mother's problem, was any further follow-up done
21 and what, is this related.

22 Q. Okay. And then the last item, Number 7 says
23 what?

24 A. Defendable.

25 Q. Do you mean defendable suit?

1 A. Correct.

2 Q. When were these notes made? Is there a date on
3 any of these?

4 A. Oh, boy.

5 Q. We know that there has been correspondence.

6 MR. MURPHY: Check when I sent you
7 the records and we will know it's from that
8 point forward.

9 A. November 13th, 1986 I received the records.

10 Q. Did you receive any other reports from any other
11 physicians to review?

12 A. In this case?

13 Q. Yes.

14 A. I have said I have the deposition of Dr.
15 Schwartz, the deposition of Dr. Abramson. Is
16 that right, Dr. Abramson?

17 Q. Yes.

18 A. **And** the written report of Dr. Scher, since I
19 reviewed, made these notes.

20 Q. **Okay.** But before, as you were going through the
21 case did you get in any other medical reports?
22 Did you get Dr. Milley's report to read? Do you
23 know **who** he is?

24 A. Could you spell it?

25 Q. M I L L E Y. From Pittsburgh.

1 A. No.

2 Q. Did you get Dr. Scher's report.?

3 A. Yes, I think I said that.

4 Q. Did you get any other doctor's reports to
5 review?

6 A. What I have reviewed for the case is what we
7 went over in my opinion letter of June 8th and
8 since then Dr. Schwartz, Abramson and Scher.

9 Q. Okay. Are there any medical textbooks that you
10 consider to be authoritative in the field of
11 obstetrics and gynecology?

12 A. No, sir.

13 Q. Do you use any textbooks when you teach your
14 residents?

15 A. Will I refer to a textbook from time to time for
16 information regarding one thing or another.

17 Q. Yes. That's the question, well, it wasn't, but
18 I'll take your question.

19 A. Yes.

20 Q. Which one?

21 A. Which one?

22 Q. Ones, one or which book or books would you refer
23 to?

24 A. We would refer to many of the textbooks of
25 obstetrics **and** gynecology because on many issues

1 each textbook presents something a little bit
2 different in terms of the interpretation.

3 Q. Which books would they be?

4 A. They would be Williams' Textbook of Obstetrics.
5 They would be Danforth's textbook, Wilson's,
6 Romney's, Creasy, the Resnik, on and on.

7 Q. With each of those textbooks I think what your
8 testimony is, they each may be, each may contain
9 a portion that you consider to be valuable or
10 authoritative or not the entire book?

11 A. No, sir. I don't consider any textbook to be
12 authoritative. I think I consider them
13 **informational.**

14 Q. Do they use any of these textbooks to teach
15 people who, students who are going to be
16 OB/GYN's?

17 A. I'm sorry. Who is they?

18 Q. I mean do medical schools use any textbooks in
19 the teaching of medical students?

20 A. Yes, sir.

21 Q. Which books do the medical schools use at Case
22 Western Reserve?

23 A. At Northwestern you are going to use Dr.
24 Danforth's. If you are in Boston you are likely
25 to use Dr. Reed's book, Dr. Romney's book. If

1 you are in California you may use Drs. Creasy
2 and Resnik's.

3 Q. How about Case Western Reserve?

4 A. I really don't know which textbook we used. We
5 usually, because of the cost of these books,
6 usually use them as a resource for the students
7 and the students will pick up their information
8 from the series of lectures that we give in some
9 condensed form or a curriculum type of book and
10 then refer in our library to any of the several
11 books that I mentioned and others for more
12 detailed information. And more particularly
13 they and us, residents and faculty refer to the
14 literature, the present literature and past
15 literature, journals for information.

16 MR. ILER: I think those are all
17 the questions I have of the doctor at this time,
18 and I thank you and **ask** for a waiver of
19 signature.

20 MR. MURPHY: When it's written up
21 I'd like you to review it and then we will
22 decide whether you want to waive it *or* if you
23 think something is inaccurate we can **make a**
24 change and we can indicate why.

25 THE WITNESS: You don't want us to

1 waive?

2 MR. MURPHY: No.

3 THE WITNESS: Okay.

4

5

LEON I. MANN, M.D.

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C E R T I F I C A T E

The State of Ohio,) SS:
County of Cuyahoga.)

I, Dawn M. Hagestrom, a Notary Public within and for the State of Ohio, authorized to administer oaths and to take and certify depositions, do hereby certify that the above-named LEON I. MANN, M.D., was by me, before the giving of his deposition, first duly sworn to testify the truth, the whole truth, and nothing but the truth; that the deposition as above-set forth was reduced to writing by me by means of stenotypy, and was later transcribed into typewriting under my direction; that this is a true record of the testimony given by the witness, and **was** subscribed by said witness in my presence; that **said** deposition was taken at the aforementioned time, date and place, pursuant to notice or stipulations of counsel; that **I** am not a relative or employee or attorney of any of the parties, or a relative or employee of such attorney **or** financially interested in this action.

IN WITNESS WHEREOF, I have hereunto set my hand and seal of office, at Cleveland, Ohio, this ____ day of _____, A.D. 19 ____.

Dawn M. Hagestrom, Notary Public, State of Ohio
650 Engineers Building, Cleveland, Ohio 44114
My commission **expires** October 20, 1987