

IN THE COURT OF COMMON PLEAS
OF CUYAHOGA COUNTY, OHIO

..... -X

STEVEN MAKSYM, a minor, etc.,
et al.,

Plaintiffs,

- against - No. 243093

JOSEPH A. JAMHOUR, M.D.,
et al.,

Defendants.

-----X

DEPOSITION of IVAN HAND, M.D., taken before
Renate Reid, a Notary Public of the State of New
York, held at La Guardia Marriott, 102-05 Ditmars
Boulevard, East Elmhurst, New York on the 1st day
of November, 1996, at 11:00 a.m., pursuant to
Agreement.

BORAK REPORTING SERVICE, INC
CERTIFIED SHORTHAND REPORTERS

50 EAST 42ND STREET, SUITE 501, NEW YORK, NY 10017
HOME PHONES: (212) 505-8333 / (212) 353-9743 / (718) 238-3122

(212) 681-9666
FAX: (212) 681-9787

1

2 A P P E A R A N C E S:

3

4 MANSOUR GAVIN GERLACK & MANOS CO., LPA
5 Attorneys for Deaconess Hospital

6 55 Public Square - Suite 2150

7 Cleveland, Ohio 44113

8 BY: DALE MARKWORTH, ESQ.,
9 of Counsel

10

11 BECKER & MISHKIND, ESQS.

12 Attorneys for Plaintiffs

13 1660 West Second Street - Suite 660

14 Cleveland, Ohio 44113

15 BY: HOWARD D. MISHKIND, ESQ.,
16 of Counsel

17

18 JACOBSON MAYNARD TUSCHMAN & KALUR, ESQS.

19 Attorneys for Drs. Vuppula and Jamhour

20 1001 Lakeside Avenue - Suite 1600

21 Cleveland, Ohio 44114

22 BY: MARK JONES, ESQ.,
23 of Counsel

24

25

1

2

REMINGER & REMINGER, ESQS.

3

Attorneys for Metro-Health Medical Center

4

113 St. Clair Avenue, Seventh Floor

5

Cleveland, Ohio 44114

6

BY: CHRISTINE REID, ESQ.,

7

Of Counsel

8

O O O

9

10

I V A N H A N D, M. D., called as a

11

witness, having been first duly sworn Renate

12

Reid, Notary Public, was examined and

13

testified as follows:

14

EXAMINATION

15

BY MR. MARKWORTH:

16

MR. MARKWORTH: Let the record show

17

that this is the discovery deposition of

18

Dr. Ivan Hand, an expert designated for

19

plaintiff in the lawsuit of Maksym versus

20

Dr. Jamhour, et al.

21

Dr. Hand, would you state your full

22

name, please?

23

A Ivan Leslie Hand.

24

Q God morning Doctor. We're here to

25

conduct your deposition today as the designated

1 Hand

2 expert witness in this lawsuit. Have you had your
3 deposition taken before?

4 A Yes, I have.

5 Q Have you been retained as an 'expert
6 witness in a medical malpractice before?

7 A Yes.

8 Q And has your deposition been taken in
9 that regard before?

10 A Yes.

11 Q How many times?

12 A Depositions or testimony?

13 Q I'm starting with depositions.

14 A I have been deposed -- this is my
15 second time.

16 Q Have you testified in trial as an
17 expert witness in a medical malpractice case
18 before?

19 A Yes.

20 Q How many times?

21 A Four times.

22 Q What were those cases about?

23 MR. MISHKIND: What are you talking,
24 about, the trial or the depo?

25 MR. MARKWORTH: Start with the

1 Hand

2 trial.

3 A One was a case of a premature baby
4 with an infection in -- an osteomyelitis bone
5 infection. Another two cases were full-term babies
6 with some brain damage, and one case **was** a clot in
7 the brachial artery of a premature baby.

8 Q The two times that you were deposed,
9 did that involve these same cases or two of those
10 cases at your appearance as a trial expert witness?

11 A Yes.

12 Q Which two?

13 A Actually, one was the case of the
14 brachial artery clot and there was another case
15 that hasn't gone to trial yet. So, that I was
16 deposed on.

17 Q What was that case about?

18 A I'm trying to recall. I believe it
19 was also just a brain damage case in a full-term
20 baby.

21 Q In the cases that involved infections
22 doctor, can you give us the identity of those
23 cases?

24 MR. MISHKIND: Dale, what I'm going
25 to do from time to time, because like our

1 Hand

2 other transmission, some of the words are
3 cutting off, I will interrupt you or the
4 court reporter will interrupt you if your
5 question isn't coming through, because she
6 had difficulty with that question entirely,
7 okay.

8 MR. MARKWORTH: Fair enough.

9 A I don't recall the -- it was one case
10 and I don't recall the name of the plaintiff or the
11 lawyers involved.

12 Q Do you know what court?

13 A It was in New York County, New York
14 City, Manhattan.

15 Q Do you know what defendant or
16 defendants?

17 A I really -- I just don't remember the
18 names.

19 Q All the cases that you have
20 participated in that you have told us about, how
21 many were for the patient versus how many were for
22 the physician or care giver?

23 A I would say 75 percent were for the
24 physician and 25 percent for the care giver, 25
25 percent for the patient.

1 Hand

2 Q Is your name listed in any service for
3 the retention of expert witnesses?

4 A Not that I know of.

5 Q Doctor, in conjunction with this
6 lawsuit, when were you first retained?

7 A I was contacted in October of '95.

8 Q You rendered a written report dated
9 October 28, 1995, correct?

10 A Correct.

11 Q Doctor, have you written or rendered
12 any other report in this lawsuit?

13 A No.

14 Q Are there any earlier drafts of this
15 report in your file?

16 A No.

17 Q This October 28, 1995 report is the
18 sole report you prepared in conjunction with the
19 lawsuit?

20 A Yes.

21 Q What was your purpose and role as an
22 expert witness as you understood it leading to this
23 report?

24 A My purpose was to review the chart in
25 the -- and the depositions and give an opinion as

1 Hand

2 to whether the standards of care were met in the
3 care of this patient.

4 Q Has that purpose or role on your part
5 changed at all since the time of this report?

6 A No.

7 Q The materials that you received before
8 you authored this October 1995 report consisted of
9 what?

10 A It was a copy of the Deaconess birth
11 records and the mom's record, a copy of the ER
12 forms and histories from Deaconess, the Metro
13 admission, and the depositions of the mom,
14 Dr. Jamhour, Dr. Vuppula, and Dr. Porter.

15 Q Were there any other records that you
16 sought and for whatever reasons were unable to
17 retain in conjunction with the preparation of this
18 report?

19 A I didn't understand the question.

20 Q Were there any other records that you
21 asked for but did not receive before you prepared
22 this report?

23 A No.

24 Q Did you participate in any conference
25 with Mrs. Maksym?

1 Hand

2 A No.

3 Q Or with any family member?

4 A No.

5 Q Or with any other physicians or other
6 persons other than counsel?

7 A No, but I did receive a photograph of
8 the baby from Mr. Mishkind at the time of my
9 review, and which I subsequently returned to him.

10 Q The photograph was of what or who?

11 A The photograph was of the baby, Steven
12 Maksym, that I was told was taken on the day of
13 discharge.

14 Q Were you given any written records
15 that evidenced that that photograph was taken on
16 the day of discharge?

17 A No.

18 Q In all the written records that you
19 reviewed, did you find any reference or testimony
20 that stated that that photograph was taken on the
21 day of discharge?

22 A I don't recall.

23 Q Is it relevant to you that that
24 photograph was taken on the day of discharge as
25 opposed to any earlier day during the infant's

1 Hand

2 admission at Deaconess?

3 A Yes.

4 Q And why, sir?

5 A Because of the protuberant abdomen
6 that this child had on the day of discharge.

7 Q What is your source for relying upon
8 the fact that this photograph was taken on the day
9 of discharge?

10 A Mr. Mishkind.

11 Q At what time on the day of discharge
12 was the photograph taken?

13 A I'm not sure.

14 Q Is that relevant at all to any
15 opinions you may give in this lawsuit?

16 A I don't believe so.

17 Q Would you define your use of the term,
18 "protuberant"?

19 A I have the actual photo in front of me
20 again, and the baby's abdomen is distended,
21 appearing well above the level of the ribs, and the
22 costal muscles, and it is protruding significantly
23 from the baby's body. It's very noticeable.

24 Q Do you use the term "protuberant" as
25 synonymous with the term "distended"?

1 Hand

2 A Yes.

3 Q You feel there's no distinction
4 between the term "protuberant" and "distended"?

5 A There is a distinction between the
6 two. I can say that "distension" to me implies
7 that there's gaseous fluids in there.
8 "Protuberant" to me says that there's extension
9 above where I believe the normal line of the
10 abdomen should fall.

11 Q From the photograph, can you make a
12 distinction that this child had a "distended
13 abdomen", as you just now defined it, versus a
14 protuberant abdomen?

15 A I can say that it is protuberant and
16 it is high on the differential that this child
17 could have a distended abdomen. I can't tell
18 without examining the baby.

19 Q Do you feel that a photograph is
20 sufficient for you to make a diagnosis that the
21 infant has a distended abdomen?

22 A No, it's just one piece of evidence,

23 Q I didn't hear the end of the answer,
24 it's just one what?

25 A Just one piece of evidence. I would

1 Hand

2 want to it to be further corroborated with physical
3 exam.

4 Q Was this photograph taken with the
5 infant on inspiration?

6 A I can't tell from just looking at the
7 photograph.

8 Q Does that make any difference to you?

9 A Not in this photograph.

10 Q Is there anything else significant
11 about this photograph as you see it?

12 A There's some evidence of increased --
13 possibly some increased skin color above the diaper
14 level, but it's just hard to say from the quality
15 of the photograph if it represents jaundice or
16 not.

17 Q How would you characterize the quality
18 of the photograph?

19 A It's a good standard photograph, but
20 not a quality to make a diagnosis of jaundice or
21 hyperbilic --

22 Q You told us you received the
23 photograph before you prepared the October 28, 1995
24 report, correct?

25 A Correct.

1 Hand

2 Q Is there anything else that you
3 received before preparing that report that you have
4 not told us about?

5 A No.

6 Q In conjunction with preparing your
7 report did you do any kind of literature research?

8 A I read some articles and texts on
9 hyperbilirubinemia and galactosemia and E. Coli.

10 Q Are those articles in your file?

11 A I don't have them with me, no.

12 Q But are they with a file in your
13 office?

14 A They're not in any specific place. I
15 have lots of articles, so they're somewhere in my
16 office, but not where I can readily say these were
17 the specific articles that I looked at.

18 Q So you don't recall which ones that
19 you looked at?

20 A No.

21 Q You can't tell us here today what
22 articles you reviewed by name, author or
23 publication?

24 A No.

25 Q Were any of these articles authored by

1 Hand

2 any of the experts, as you understand them to be,
3 in this lawsuit?

4 A No.

5 Q Were any of these articles authored
6 by -- well, it would include yourself -- were any
7 of these articles authored by yourself?

8 A No.

9 Q Is there anything else that you did
10 leading up to the preparation of your October 28,
11 1995 report?

12 A No.

13 Q Since the time of that report, have
14 you received and reviewed any additional material?

15 A Yes.

16 Q Tell us what you received and
17 reviewed.

18 A I received depositions from an office
19 worker named Violet. The second deposition from
20 Dr, Jamhour, a series of nurses' depositions and a
21 series of depositions from the experts, Dr. Klein,
22 Dr. Levy, Dr. Buttis, Dr. Jay -- I received that
23 fairly recently.

24 Q Anything else that you received?

25 MR. MISHKIND: He **has** most of the

1 Hand

2 stuff here. You want to just --

3 Q Why don't you identify for us what you
4 do have before you.

5 A I have a copy of a metabolic screen,
6 in front of me from Cleveland Metro. I have a copy
7 of Dr. Rehms's review of the case. I have a copy
8 of Dr. Jay's review of the case, a report by
9 Dr. Perry, a report by Dr. Levy, a report by
10 Dr. Gold, Dr. Radetsky, Dr. Buttis, medical report
11 by Dr. Klein, and as I said before, by
12 Dr. Jamhour.

13 Deposition of Maria Guyer, Catherine
14 Macrone, Evelyn Forage, Joan Maksym, deposition of
15 Neil Buttis, Jerome Klein, Anamarie Madgemadel,
16 Andrea Safel, Kathleen Johnson, another Joseph
17 Jamhour, and Harvey Levy. As well as I have the
18 medical records of -- of Steven and his mother at
19 Deaconess Hospital in front of me. And the Metro
20 records in front of me.

21 Q Which Metro record, the
22 August/September admission?

23 A Yes.

24 MR. MISHKIND: He's also got
25 additional records, not full records, but I

1 Hand

2 think there's some progress notes.

3 A I have some records, some notes from
4 the Cleveland Clinic, Dr. Cohen, some lab studies,
5 and ECCO EEG reports, and some Metro records dated
6 10/3/90 and 4/24/90, and 7/31/91. I believe that's
7 it.

8 Q Apart from the articles that may be
9 back at your office, is there anything else that
10 you've reviewed in conjunction with this case that
11 is not before you now?

12 A No.

13 Q Did you make any notes in reference to
14 this case?

15 A No.

16 Q Did you make any kind of notations on
17 any of the depositions?

18 A I have little post-it marks on some of
19 the depositions and lab sheets.

20 Q Do you have any post-it martial on any
21 of the nurses' depositions?

22 A No.

23 Q Doctor, have you authored any
24 publications that in your opinion relate to any of
25 the medical issues that are involved in this

1 Hand

2 lawsuit?

3 A No.

4 Q Have you ever had occasion to diagnose
5 galactosemia in an infant?

6 A I have been involved in the care of
7 two galactosemic infants, that I can recall.

8 Q Tell us about that, without giving
9 obviously the identity of the patients, but, I
10 mean, how did you become involved in the care of a
11 galactosemic patient?

12 A One case, I believe I saw while I was
13 in medical school as either a third-year medical
14 student or fourth-year medical student, and it was
15 a child with galactosemia, and E. Coli sepsis, who
16 was about a week or two of age.

17 Q Was it was about a week or two of age
18 when the child developed the meningitis?

19 A Yes.

20 Q Would you agree that bacterial
21 infection among galactosemic infants generally
22 develops during the first week or during the second
23 week of life?

24 MR. MISHKIND: Objection. Go ahead,
25 Doctor.

Hand

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

A I think it depends on when the galactosemia is diagnosed and treated. Again, the one case I saw where the child was infected, it was between the first and second week of life.

Q Well, let's assume that the child is not diagnosed as having galactosemia, would you agree then that bacterial infection among galactosemic neonates generally seems to develop at the end of the first week or during the second week of life?

MR. MISHKIND: Same objection.

A Yes.

Q That child, in that case, how was the diagnosis of the galactosemia made?

A It was made through urine testing.

Q Was the diagnosis of galactosemia and the meningitis made at or about the same time?

A The diagnosis of galactosemia was made after the diagnosis of meningitis.

Q Tell us about the other case that you resolved?

A It was when I was a neonatal fellow, and there was a patient with hyperbilirubinemia, and part of the workup was a screen for

1 Hand

2 galactosemia which was positive in that child.

3 Q How old was the child?

4 A The child was approximately two to
5 three days old when the hyperbilirubinemia was
6 noted and the workup was begun.

7 Q What was the range of the finding of
8 this hyperbilirubinemia?

9 A The bili -- I don't recall exactly,
10 but the bili was above 15 when I first heard about
11 the patient, somewhere on the second or third day
12 of life.

13 Q In conjunction with a neonate, what do
14 you consider to be an abnormal bili range?

15 A It depends on the age of the patient,
16 but I would say, that beyond approximately 13 at 72
17 hours of age is abnormal.

18 Q Doctor, I'll draw your attention to
19 Steven Maksym and Mrs. Maksym. Would you agree
20 with me that Mrs. Maksym underwent a normal
21 pregnancy based upon your review?

22 A Yes.

23 Q Would you agree with me that there was
24 a normal spontaneous vaginal delivery of this child
25 on August 15, 1989?

1 Hand

2 A Yes.

3 Q And would you agree that, in your
4 review of the records, that Steven Maksym had Apgar
5 scores of 9 and 9 at one and five minutes?

6 A Yes.

7 Q Do would you agree that looking at
8 these records, that this infant was a normal
9 full-term infant then, at birth?

10 A From the record, yes.

11 Q Would you agree that there was no
12 history of any fever or illness in the mom?

13 A I don't recall any noted fever or
14 illness.

15 Q Would you agree there's no history of
16 prolonged rupture of membrane?

17 A Yes.

18 Q Would you agree there's no history
19 that was present for any caregiver to be suspicious
20 for any infection in this child at birth?

21 A Yes.

22 Q Was this infant jaundiced at birth?

23 A There's no -- I have no record of
24 that, no.

25 Q Would you agree that this infant was

1 Hand

2 not jaundiced at birth?

3 A Yes.

4 Q Would you define for us physiological
5 jaundice?

6 A Physiological jaundice is
7 jaundice occurring in a healthy newborn and doesn't
8 exceed a level of approximately 13 by 72 hours of
9 age.

10 Q What are the typical symptoms of
11 physiological jaundice in a full-term infant?

12 .A There are no symptoms in physiological
13 jaundice because the baby is a perfectly healthy
14 baby with just jaundice skin discoloration.

15 Q Are there any signs of physiological
16 jaundice in a full-term infant?

17 A Just the physical color of the skin.

18 Q What is the typical onset of signs of
19 physiological jaundice in a full-term infant?

20 A We usually -- it's usually jaundice
21 that becomes apparent after 24 hours **of** age.

22 Q Why is that?

23 A Because jaundice that's apparent
24 within the first 24 hours of age is not considered
25 physiological.

1 Hand

2 Q Is the appearance of this kind of
3 jaundice common or uncommon?

4 A Which kind of jaundice?

5 Q Dr., I'll direct your attention now --

6 MR. MISHKIND: Dale, he hasn't
7 answered your question.

8 MR. MARKWORTH: I thought he did.

9 MR. MISHKIND: He asked you which
10 kind of jaundice.

11 MR. MARKWORTH: Physiological
12 jaundice, we're talking about.

13 A Physiological jaundice is common.

14 Q I'm sorry. Steven Maksym, I think if
15 you check his chart before you, he was born on
16 Saturday, 1:15 a.m. on August 15, 1989?

17 A Correct.

18 Q Looking at day 1, on August 15, can
19 you find the newborn infant record for the initial
20 assessment?

21 A I believe I have it in front of me,
22 yes.

23 Q That includes an examination of the
24 abdomen, does it not?

25 MR. MISHKIND: Are you talking about

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

Hand

the nurses' assessment or MD assessment,
Dale.

MR. MARKWORTH: I'm talking about the
page 2 of the newborn infant records for the
initial assessment.

MR. MISHKIND: Well, let's not use
page 2 because we know that -- I'm not sure
that we're all dealing with the same page
numbering. What does it say on top of it,
just so --

MR. MARKWORTH: It says on the top of
it, reading below the name of the hospital,
it says "newborn infant records/page 2" under
that initial assessment. On the bottom of
the page it has handwritten, Jamhour,
Vuppula.

THE WITNESS: I have that in front of
me now.

Q Would you agree with me that in accord
with this record there was an examination of the
abdomen?

A Yes.

Q And the finding in the abdomen was
soft with bowel sounds?

1 Hand

2 A Yes.

3 Q Doctor, would you agree that that was
4 a normal examination of the abdomen?

5 A Yes.

6 Q Would you agree with me that for this
7 record, there's no indication that this child had a
8 distended abdomen at this time?

9 A Yes.

10 Q Do you hold the opinion that this
11 child had a distended abdomen on day 1, August
12 15th?

13 A I don't know, so I can't really give
14 an opinion on that.

15 Q And what makes you say that you don't
16 know, what about your review in this record gives
17 you cause to say that this child may have had a
18 distended abdomen on day 1, August 15th?

19 A I -- my only impression of the
20 distended abdomen is from the photograph that I've
21 seen from the 17th. So, I don't know if it was
22 there on the 15th and not noted.

23 MR. MISHKIND: Dale, are you able to
24 hear us with that noise?

25 MR. MARKWORTH: I'm getting it.

1 Hand

2 Q So the only point of reference for
3 believing that there's the presence of a distended
4 abdomen at any time during the admission at
5 Deaconess Hospital is the photograph presented to
6 you, correct?

7 A Correct.

8 Q Going back to August 15, on the
9 newborn records for the nursing note, do you have
10 that before you?

11 MR. MISHKIND: Is that the one that
12 starts at 1:30 a.m.?

13 MR. MARKWORTH: Pardon me, it's the
14 newborn records, Howard, it's the one that
15 has all the feeding.

16 MR. MISHKIND: He's got it in front
17 of him.

18 A Yes.

19 Q With that before, is that before you?

20 A Yes.

21 Q In your review of the records I assume
22 you read this, right?

23 A Yes.

24 Q And in reviewing this, did you find
25 that the infant's skin was recorded as "pale pink"?

1 Hand

2 MR. MISHKIND: You're talking about
3 on the 15th?

4 MR. MARKWORTH: On the 15th, only on
5 the 15th, this would be day 1.

6 Q This would be day 1, right, Doctor?

7 A Yes.

8 Q The skin was recorded as "pale pink"?

9 a Yes.

10 Q The child's cry was "lusty"?

11 A Yes.

12 Q The infant was active?

13 A Yes.

14 Q The infant voided?

15 A Yes, there are four check marks next
16 to voiding.

17 Q And all of those recorded activities
18 and signs were normal, the ones I just read?

19 A Yes.

20 Q The feeding regimen is also recorded,
21 correct?

22 A Yes.

23 Q The child also stooled that day,
24 correct?

25 A Yes.

1 Hand

2 Q The stooling, that activity, would be
3 normal?

4 A Yes.

5 Q And the feeding regimen, could you
6 give us what that was, as you understood it?

7 A It looks like the baby, from this
8 chart, was fed at 7:00 a.m., and took, I believe,
9 one ounce, a half an ounce at 9:00, and then it
10 looks like an ounce at 9:30, but the baby threw up
11 at 9:30.

12 Q At 9:30 is there a designation
13 relative to what you term "throw up"?

14 A There's an R.

15 Q What do you understand or interpret
16 the R to be?

17 A Regurgitation.

18 Q Now, you used the term "threw up", is
19 that being used by you as being the same as and
20 consistent with regurgitation?

21 A Yes.

22 Q And do you interpret the regurgitation
23 necessarily as an indication that the child took no
24 feeding at that time or that the child took the
25 feeding as recorded but in addition, had

1 Hand

2 regurgitation?

3 A I believe the child took the feeding
4 and regurgitated the feeding.

5 Q And what's your basis for that?

6 A If the child didn't take the feeding,
7 there would be nothing to regurgitate.

8 Q But is your interpretation saying that
9 this child was unable to take any feeding at this
10 time, that all the feeding was regurgitated, or are
11 you indicating that the child took the feeding as
12 recorded but in addition, there was regurgitation
13 of still other feedings before it was able to
14 consume the feeding as recorded?

15 A I can't tell the volume that was
16 regurgitated from this notation. All I can say is
17 that the child was fed and regurgitated
18 afterwards. Whether it was the full volume of the
19 feeding or just a portion of the feeding, I have no
20 way of knowing.

21 Q Would regurgitation be consistent with
22 a relatively newborn infant learning how to feed?

23 A It depends, again, on the volume. If
24 the nurses had noted that there was just some mild
25 spitting up that would be more consistent with a

1 Hand

2 normal newborn. I'm a little more concerned about
3 the fact that a nurse, presumably an experienced
4 nurse, noted that this baby regurgitated the 9:30
5 feeding.

6 Q So you're interpreting this as the
7 entire feeding was regurgitated?

8 MR. MISHKIND: Objection, that's not
9 what he testified to. Go ahead, Doctor.

10 MR. MARKWORTH: That's what he just
11 said in his answer.

12 MR. MISHKIND: Listen to the answer,
13 go ahead, Doctor.

14 A I'm differentiating between a baby
15 spitting up and regurgitating. And as I said
16 previously, I can't tell whether the baby
17 regurgitated the entire feeding or just half of the
18 it, which I would still consider significant.

19 Q Doctor, are you treating the term
20 "regurgitation" as synonymous with vomiting?

21 A Yes.

22 Q Is that based upon your understanding
23 of the term or is that based upon some review of
24 any of the nursing depositions?

25 A Based upon my understanding of the

1 Hand

2 term.

3 Q Doctor , looking at the feedings as
4 recorded on August 15th, was that in the normal
5 range for a newborn, full-term infant?

6 A Yes. It would be in the low normal
7 range.

8 Q According to that record, does it
9 indicate that there was a visit by the
10 pediatrician?

11 A Yes. There seems to be a visit at
12 6:00 p.m. by Dr. Jamhour noted.

13 Q Now, Doctor, as per the chart, was
14 this child jaundiced at all on August 15th?

15 MR. MISHKIND: You're talking about
16 up to 6:00 p.m. or at any time?

17 MR. MARKWORTH: At any time on August
18 15th.

19 A There's no indication on the chart,
20 no.

21 Q On August 15, as per the chart, was
22 there any evidence that the abdomen was distended?

23 A No.

24 Q Per the chart, was there any clinical
25 signs or symptoms that this infant was sick or ill?

1 Hand

2 A Only the regurgitation, which was
3 discussed previously.

4 Q Enlarging that question and including
5 in that question any history that you may have
6 obtained by review of Mrs. Maksym's depositions or
7 anything else, were there any clinical signs or
8 symptoms or history that this infant was sick or
9 ill on day 1, August 15th?

10 A Well, the mother reported that she
11 felt the baby wasn't feeding properly from the
12 start. But there's no evidence of that on the --
13 on what I have in front of me on this chart.

14 Q Anything else, Doctor, any other
15 source?

16 A There's no other source except the
17 mother's deposition and the reports from the Metro
18 admission, when she talked about the baby being a
19 poor feeder and not that active since birth.

20 Q Would you agree with me that the Metro
21 record is a history and as such the history would
22 have in all probability and likelihood have been
23 derived from Mrs. Maksym?

24 A Yes.

25 Q Turning your attention now to day 2,

1 Hand

2 August 16th, would you agree that at the time of
3 the nurse's morning examination, that the child's
4 skin was recorded as being "pink"?

5 A From the record, I have no idea what
6 time the examination was done, but this is an
7 indication of pink under skin.

8 Q Did you review the nurses' depositions
9 sufficiently to have any understanding as to when
10 those recordings would have been made in this part
11 of the chart, being the newborn record?

12 A I don't recall.

13 Q Looking at that record it also
14 indicates that the child was active, correct?

15 A Yes.

16 Q And that the cry was lusty?

17 A Yes.

18 Q The child, again voided and stooled?

19 A Yes.

20 Q All of these recorded signs and
21 activities are in the area of normal, would you
22 agree with that?

23 A There was also -- there's also an
24 indication that the baby had yellow drainage from
25 the left eye, which may be an early sign of

1 Hand

2 conjunctivitis.

3 Q My question to you, is the fact that
4 the nurse recorded her finding that the skin was
5 pink, the child was active, the cry was lusty, the
6 child voided and stooled, those --

7 A Those findings sound normal.

8 Q What was the feeding **of** the child on
9 day 2, August 16th?

10 A It looks like the baby was fed one and
11 a half to two ounces at 2:56, 9:30 and 1:30.

12 Q Both feedings, were they normal?

13 A Yes.

14 Q Are there any recorded records here of
15 the infant regurgitating or vomiting?

16 A No.

17 Q Dr. Kurchaski, according to this
18 record did a circumcision at 9:00 in the morning,
19 you see that?

20 A Yes.

21 Q **If** this child had a distended abdomen
22 at the time of the circumcision, would you expect
23 that Dr. Kurchaski would have observed that
24 condition?

25 MR. MISHKIND: Objection, go ahead.

1 Hand

2 A It would not have -- I would have
3 expected Dr. Kurchaski to make that observation at
4 the time.

5 Q And if he had made that observation,
6 would you have expected him to examine the child
7 closely and to have recorded the finding?

8 MR. MISHKIND: Objection. Go ahead.

9 A If he made that observation, I believe
10 it would have been the standard of care to examine
11 the child and note those findings.

12 Q And there is no such finding by
13 Dr. Kurchaski as recorded in this chart, correct?

14 A Correct.

15 Q Now, on August 16th, there was a bili
16 result given?

17 A Yes.

18 Q What was that, Doctor?

19 A 6.5.

20 Q And that would fit your definition as
21 in the normal range?

22 A Yes.

23 Q And that information was known by
24 Dr. Jamhour?

25 A I believe so, yes.

Hand

1

2 Q And that bili result was consistent
3 with Dr. Jamhour's discharge examination where in
4 he found there was facial and truncal jaundice?

5 A Could you repeat that question, I'm
6 sorry.

7 Q And that finding of the bili result
8 was consistent with Dr. Jamhour's clinical
9 examination finding on discharge examination that
10 this child had facial and truncal jaundice?

11 MR. MISHKIND: I'll object. I don't
12 know what -- how one can say a lab result is
13 consistent with what Dr. Jamhour's -- I don't
14 know how a laboratory result of 6.5 in the
15 morning could necessarily be said to be
16 consistent with a physical finding by a
17 doctor in the evening. But my objection is
18 noted, the doctor can answer the question.

19 A My concern is that a notation of
20 truncal jaundice may imply a bilirubin level higher
21 than 6.5.

22 Q Why is that, Doctor?

23 A Because generally, jaundice progresses
24 from -- we usually note it first in the face and
25 then it will progress down the trunk and to the

1 Hand

2 lower extremities.

3 So, it appears that the bilirubin,
4 which was done early in the morning and the
5 doctor's exam, which was done later in the day, may
6 represent two different levels of jaundice that
7 were seen, one from the serum level that we
8 obtained in the morning and two that the Doctor was
9 witnessing later in the afternoon or early
10 evening.

11 Q Do you hold that if there's truncal
12 jaundice, that that means that there must be a
13 certain increase in the bili from an earlier lab
14 test?

15 A I can't be sure. There may be some
16 progression.

17 Q Is there any kind of article or
18 treatise that relate or correlate a serum bili
19 level test to the amount of jaundice that's
20 clinically manifest in the child?

21 A I can't recall any particular article
22 or treatise that would discuss that, but it's a
23 commonly accepted fact that jaundice in newborns
24 tends to spread from and be first visible in the
25 face and then spread to the trunk.

1 Hand

2 Q Would it be appropriate, then, to
3 order a repeat bili?

4 A Yes.

5 Q And a repeat bili was ordered in this
6 case, correct?

7 A Yes.

8 Q Was there anything in the chart or
9 from the testimony of Dr. Jamhour or Vuppula or
10 from the testimony of the nurses that indicated
11 that this child was ill or sick on day two?

12 A I recall one statement from a nurse
13 that the child was lethargic and I have to try and
14 find that right now.

15 Q Take a look, Doctor. That was on day
16 1, I believe, August 15, at 6:00 p.m.. And look in
17 the mom's chart.

18 A Okay, you're right.

19 Q Okay, Doctor?

20 A Okay. This was on the first day the
21 baby was noted to be "lethargic". The second day
22 there's no notation.

23 Q Let's talk about lethargic, would you
24 define your understanding and how you use the term,
25 "lethargic"?

1 Hand

2 A "Lethargic" would specifically mean
3 that the baby is not very active, is different from
4 all the other babies that we see in the nursery and
5 that the nurse sees in the nursery, and the baby is
6 just different, abnormal, not as active, not as
7 vigorous as would be expected.

8 Q Would you agree that a single
9 observation of lethargy in a newborn less than 24
10 hours of age is not in itself significant?

11 A I would agree that it's only one
12 finding, and in itself is not significant.

13 Q Now, that note of Nurse Hooley, if you
14 look at that note, that does not indicate that she
15 described the mom as -- at 6:00 p.m., as "sleeping
16 on and off"?

17 A "Patient sleeping on and off", yes.

18 Q And this is the maternity LPN nurse
19 and not the nursery room nurse recording that,
20 that's your understanding?

21 A Yes.

22 Q And her note at the same time also
23 indicates that there were no complaints?

24 A Yes.

25 Q And that same note indicates that mom

1 Hand

2 and baby were lethargic?

3 A Yes.

4 Q If the mom was having no complaint but
5 was sleeping on and off, would those two findings
6 be consistent with your definition of lethargic?

7 MR. MISHKIND: Objection. Go ahead.

8 A No.

9 Q Would it be fair to say that as the
10 nurse was using the term "lethargic" it's not the
11 same as how you use the term "lethargic"?

12 MR. MISHKIND: Objection?

13 A I think lethargic is an accepted
14 medical term that implies more than just a patient
15 sleeping. **So** I would believe that the nurse
16 would -- is using lethargic correctly, meaning that
17 she thought the patient and baby were less active
18 and less awake and vigorous than she would expect.

19 Q Is that the only finding in this
20 entire chart where the description **of** lethargic was
21 applied to the baby?

22 A Yes, I believe so.

23 Q If a physician were to observe the
24 baby as lethargic, would you expect that the
25 physician would make such a recording in the record

Hand

1

2 and do a follow-up?

3 A I would hope so, yes.

4 Q But you would agree with me that at
5 the time of the Nurse Hooley note, maternity nurse
6 at 6:00 p.m., was the same time that Dr. Jamhour
7 visited and did his initial examination **of** this
8 child?

9 A Yes.

10 Q And that the record shows that that,
11 Dr. Jamhour's examination finds the child was
12 normal and not lethargic?

13 A Yes.

14 Q I want to go back to day 2, August
15 16th, Doctor, the jaundice that was present, on
16 that day was that consistent with physiological
17 jaundice?

18 A Yes, it could be.

19 Q Clinically, as per the chart and the
20 depositions of Dr. Jamhour, Vuppula and the nurses,
21 was there any indication that this child was sick
22 or ill?

23 A Not from the chart.

24 Q What evidence is there from any
25 source, that you believe would support any kind of

1 Hand

2 suggestion that this child, infant was sick or ill
3 as of August 16th?

4 A The only indication was the mother's
5 history that the child was not behaving vigorously
6 and did not have a lusty cry from birth.

7 Q I'm going to turn your attention now
8 to the beginning, then of day 3, August 17th.

9 A Yes.

10 Q Looking again at the nurse's records
11 at that time, there was a finding that the skin was
12 jaundiced, is that correct?

13 A Yes.

14 Q That infant was active, correct?

15 A Yes.

16 Q And that the cry was lusty?

17 A Yes.

18 Q That the child voided?

19 A Yes.

20 Q And the child also had a stool?

21 A Yes.

22 Q Those findings are the nurse's, could
23 be characterized and you would characterize them as
24 "normal"?

25 A Yes.

1 Hand

2 Q And you understand that the repeat
3 bilirubin on this day was what, Doctor?

4 A 10.2.

5 Q And the 10.2 again is within your
6 definition of the normal range?

7 A Yes, it can be.

8 Q And this information as you understand
9 it was conveyed to Dr. Vuppula prior to discharge?

10 A Yes, I assume so.

11 Q And what was the feeding of this child
12 on the morning of August 17 as per of the chart, as
13 you understand it?

14 A It looks like the baby fed two ounces
15 at 6:30, 9:30 one and a half ounces. Again, sort
16 of a lower -- low normal for a full-term baby.

17 Q Again, looking at the chart, looking
18 at the depositions of Dr. Jamhour and Vuppula and
19 of the nurses, what evidence is there that this
20 child was sick or ill as of the time of this day of
21 discharge?

22 A There was a temperature elevation from
23 3:00 a.m. of that morning, which is noted in the
24 chart, of 37.9, which represents a fever in this
25 baby, which at that point, probably was a sign that

Hand

2 this baby was not well.

3 Q What is your definition, then, of a
4 fever or when you can conclude that a fever is
5 present relative to a temperature recorded?

6 A This was an axillary temperature of
7 37.9, which is above the expected level and it
8 doesn't appear as if it were repeated until 7:00
9 a.m.

10 Q What was the temperature at 7:00 a.m.

11 A I believe it's 36.6, which is a low
12 temperature. **So, I** can't tell from the chart what
13 the duration of the fever was or why there was this
14 sudden drop and temperature instability from a high
15 fever to a relatively low temperature.

16 Q Are you saying that the temperature of
17 37.9 axillary represents a high fever, is that your
18 opinion?

19 A I would say it's an elevated
20 temperature, it's not normal.

21 Q A single elevated temperature, does
22 that constitute sufficient basis to make the
23 diagnosis that the child is suffering a fever?

24 A Again, one temperature -- you need to
25 know the duration of the temperature, but newborns

1 Hand

2 have very little capability demonstrating signs of
3 illness. It's fairly rare to see any kind of
4 temperature elevation in a newborn. Therefore,
5 even one single event has to be viewed
6 suspiciously.

7 Q What is the upper limit: temperature
8 that can be found that you would not characterize
9 as a fever?

10 MR. MISHKIND: You're talking about
11 axillary now, Dale?

12 MR. MARKWORTH: Let's start with
13 axillary?

14 A I would say, approximately 37.7.

15 Q And rectal?

16 A Rectal would be about 38.

17 Q You said about 38.

18 A 38.

19 Q And your basis for that, is that
20 experiential for yourself?

21 A Yes.

22 Q And can you cite any outside source
23 and support for that statement or that opinion?

24 A Not offhand I can't.

25 Q That is, if some other physician had

1 Hand

2 something other than exactly 37.7 axillary or 38.0
3 rectal as the low temperature to reach fever, you
4 wouldn't necessarily disagree with him?

5 MR. MISHKIND: Objection, it depends
6 upon what the temperature is that that
7 particular physician is using. I just show
8 my objection. Go ahead.

9 A I would disagree with him, because I
10 believe it's generally accepted that an axillary
11 temperature above 37.7 is abnormal. Again, I
12 believe that the child needed to be -- a child with
13 that kind of a fever needs to be examined and
14 observed at that point.

15 Q Was there any other temperature
16 recorded after the 36.6 temperature on August 17th?

17 A I don't see any other recording other
18 than the 36.6 at 7:00 a.m.

19 Q Is there anything else in this chart
20 and by way of the deposition testimony of the
21 nurses or the physicians, which would give you any
22 indication that this child was abnormal or was
23 suspicious for any illness or sick?

24 A The baby's bilirubin from the morning,
25 which we said was 10.2, again, it's -- in and of

1 Hand

2 itself is not -- could be physiological, but it
3 also could be a sign of illness.

4 Q Why do you hold that opinion?

5 A Because I know how bilirubin levels
6 rise, and thus far, I have seen a 6.5, I've seen a
7 10.2, and I don't know how high the next bilirubin
8 level will be.

9 Q But in and of itself, the rise from
10 6.5 to 10.2 is not out of the ordinary, is it,
11 Doctor?

12 A No.

13 Q I want to go to your report, Doctor.
14 And in your report, beginning with the second
15 paragraph, you state that the infant was discharged
16 on the second day of life, are you with me?

17 A I'm trying to find it. One second.

18 Q In the second paragraph.

19 A Yes.

20 Q You would agree with me that this
21 child was discharged at the beginning of the third
22 day of life?

23 A Yes.

24 Q You indicated there that the child was
25 discharged with a rising bilirubin level and facial

1 Hand

2 and truncal jaundice, correct?

3 A Yes.

4 Q And that's what we already talked
5 about that the rising bilirubin level is up to 10.2
6 and the facial and truncal jaundice is documented
7 in the record by Dr. Jamhour, correct?

8 A Yes.

9 Q In my review of records and
10 depositions, the infant was not feeding well at
11 this time. As I now understand your testimony, the
12 sole source for the not feeding well at this time
13 would be the mom's histories, correct?

14 A Yes.

15 Q And that the baby had a distended
16 abdomen. And as I now understand your testimony,
17 the only source for stating that this baby had a
18 distended abdomen was this photograph that's been
19 represented to you as having been taken sometime on
20 August 17th, correct?

21 A Correct.

22 Q And as for these reasons, you go on to
23 conclude that the infant should not have been
24 discharged at this time, correct?

25 A For the -- because of the bilirubin,

1 Hand

2 because of the distended abdomen, because of the
3 temperature instability, because of the initial
4 lethargy. Those are the reasons that I felt the
5 child shouldn't have been discharged.

6 Q In order for you to hold the opinion
7 that this child should not have been discharged, I
8 need to know the constellation of signs, symptoms
9 or findings that you rely upon, Doctor?

10 A The baby, at the time of the bilirubin
11 of 10.2, was 54 hours old. **So**, at that point, I
12 don't know exactly how high his bilirubin level
13 will go. I have that in the back of my mind, as
14 well as the fact that this baby, a few hours
15 previously, prior to discharge at 3:00 a.m., had a
16 temperature elevation.

17 I also have some question as to the
18 baby's lethargy, which was described by the nurse
19 on day 1, but not by the doctor. And this plus the
20 mother's concerns and father's concerns that the
21 baby was just not right, would prompt me **to** hold
22 the baby and investigate further if this baby was
23 going to show some further signs of
24 hyperbilirubinemia or sepsis.

25 Q So this decision on not discharging

1 Hand

2 this child, then, was dependent not only on the
3 findings that are recorded in the chart, but also
4 based upon the history as given by mom and/or dad?

5 A The history helps to strengthen the
6 case, but I would be very concerned about sending
7 home a baby with a rising bilirubin who had a
8 temperature elevation a few hours prior to
9 discharge and not even examining this baby at the
10 time of discharge.

11 Q Are you holding the opinion that a
12 single temperature elevation at 37.9 axillary and a
13 rising bilirubin level from 6.5 to 10.2 is
14 sufficient for a physician to have to keep this
15 baby in the hospital and not discharge the baby?

16 A I think it's sufficient for a doctor
17 to be concerned and to either keep the baby in the
18 hospital or make sure to follow up that baby the
19 next day or that evening with an examination and
20 bilirubin level.

21 Q Understand, Dr. Hand, we need to know
22 what your testimony will be to a reasonable medical
23 probability and whether or not it was below the
24 standard of care for a pediatrician to have
25 discharged this child, Steven Maksym, on August

1 Hand

2 17th, in the face of what you have just indicated
3 was simply a rising bilirubin level from 6.5 to
4 10.2 with one temperature elevation earlier that
5 morning, at 3:00 a.m., of 37.9.

6 Is that all that is necessary or are
7 you dependent also upon the fact that the child had
8 a distended abdomen as referenced in your report?

9 A I believe, just from the bilirubin and
10 fever level, that this child needed close attention
11 and follow-up. I don't believe it was against
12 the -- below the standard of care to discharge the
13 baby that day, but I do believe it was below the
14 standard of care not to follow this baby closely
15 and be in contact with the mother, see the baby and
16 get a repeat bilirubin that evening or the next
17 day.

18 Q And if a repeat bilirubin had been
19 done the next day, can you state with reasonable
20 medical probability what the result would have
21 been?

22 A I believe it probably would have been
23 above the level of 13 and would have placed it in
24 the category of non-physiological jaundice or
25 pathological jaundice.

1 Hand

2 Q When you say above 13, so it could
3 have been 14 or 15 and that would qualify?

4 A Yes.

5 Q Your opinion as being
6 non-physiological jaundice?

7 A Yes.

8 Q As I look at your report, your
9 criticisms are relative to the discharge of the
10 baby and the failure to schedule a reexamination of
11 this baby, correct?

12 A Yes.

13 Q Your report later goes to one other
14 area of criticism and that was the fact that there
15 was not an earlier diagnosis of galactosemia,
16 correct?

17 A Correct.

18 Q And all of the three general areas
19 were your holding an opinion in this case to a
20 reasonable medical probability that there is a
21 deviation of standard of care?

22 A Could you reiterate the three areas.

23 Q Yes. The decision to discharge this
24 infant on August 17th, the decision not to have any
25 kind of reexamination if the child was discharged

1 Hand

2 on the 17th, and the failure to make an earlier
3 diagnosis of galactosemia?

4 A I would combine the first two and say
5 that it would have been all right to discharge the
6 patient had they really made an effort to see this
7 baby as an immediate follow-up. So, again, I don't
8 believe that discharging itself was a deviation,
9 but I do believe that not following the baby after
10 the discharge was a deviation. And the late
11 pick-up of galactosemia was a deviation.

12 Q Are there any other opinions that you
13 hold that there was any other deviation from the
14 standard of care in this case?

15 A No.

16 Q Do you have an opinion as to when this
17 infant first became bacteremic, to a reasonable
18 degree of medical probability?

19 A Yes. I believe it was on the 17th,
20 when the baby was starting to show some systemic
21 signs first manifested by temperature instability.

22 Q What is your basis for that, just the
23 temperature reading of 37.9 to 36?

24 A Yes.

25 Q And **did** the baby remain bacteremic

1 Hand

2 then, from that point forward until the development
3 of meningitis?

4 A Yes.

5 Q When does the baby first have
6 meningitis, if you can say to a reasonable degree
7 of medical probability?

8 A The baby clearly had meningitis upon
9 admission to Metro Center on the 21st. Prior to
10 the 21st, by way of the mother's history, she
11 reports that the baby was sleeping all day on the
12 20th, which I believe was -- is a sign that this
13 baby probably had meningitis at that time.

14 So I would say -- and the mother did
15 call the pediatrician's office on the 19th
16 describing some feeding problem, so I would
17 pinpoint the timing of the meningitis somewhere
18 between the 19th and 20th as the earliest onset.

19 Q Your source for saying that the mother
20 called a pediatrician's office on the 19th was
21 based upon her testimony?

22 A Yes.

23 Q Is there any other independent source
24 to confirm her testimony that there was a call on
25 the 19th from the pediatrician's office?

1 Hand

2 A Just the historical record from the
3 Metro Health Center.

4 Q Which again would be referenced to the
5 mother's history?

6 A Correct.

7 Q And your understanding is that when
8 she called the pediatrician's's office she was
9 calling Dr. Skrinska's office?

10 A Yes.

11 Q And it's your understanding that once
12 Mrs. Maksym left Deaconess Hospital on the 17th,
13 that she no longer considered Dr. Jamhour and
14 Dr. Vuppula as her child's pediatrician?

15 A Yes.

16 Q Have you reviewed Dr. Skrinska's
17 deposition testimony?

18 MR. MISHKIND: Dale, I don't think
19 I've sent it to the doctor yet. Looking in
20 the stack of stuff that he has here, it
21 doesn't appear as if it's been sent to him.
22 I may be wrong.

23 A No, I don't recall it.

24 Q Have you reviewed the deposition
25 testimony of Dr. Skrinska's registered nurse, Linda

1 Hand

2 Strong?

3 A I don't believe so.

4 Q What is your understanding of the
5 course, then of Steven Maksym following discharge
6 on August 17th?

7 A My understanding of the course is that
8 the child continued to have some feeding problems
9 and was not very active and the mother became
10 increasingly concerned, called Dr. Skrinska's
11 office on the 19th, and was told to change the
12 formula.

13 MR. MISHKIND: Hold on one second,
14 Dale, there's someone at the door.

15 MR. MARKWORTH: Go ahead.

16 MR. MISHKIND: Go ahead.

17 MR. MARKWORTH: Actually this --

18 A On the 19th, the mother had phoned
19 Dr. Skrinska's office and reporting the feeding
20 problems, vomiting, and her concerns about the
21 patient, was told to switch formulas, which she
22 did. On the 20th the baby was progressively worse,
23 sleeping all day, not feeding much at all.

24 And on the 21st, she brought the baby
25 to the emergency room. And the baby was septic and

1 Hand

2 meningitic at that point.

3 Q Do you understand that this child was
4 progressively worse at the specific time of
5 discharge on August 17th all the way through
6 leading up to the return of the child on August 21
7 at the emergency room at Deaconess?

8 A That the baby was progressively
9 worse?

10 Q Yes.

11 A Yes.

12 Q Would it be your understanding and
13 expectation that this child was not feeding well
14 throughout the period of time that the child was
15 home with mom?

16 A Yes.

17 Q And would it be your expectation,
18 then, that this child would not be realizing any
19 kind of weight gain during this period of time?

20 A Yes.

21 Q And would it be your expectation that
22 this child was jaundiced and continued to remain
23 jaundiced during this entire period of time?

24 A Yes.

25 Q And that in fact, this child's

1 Hand

2 jaundice would be increasing over this period of
3 time?

4 A Yes.

5 Q And it's your understanding that the
6 child was not active at home and you would expect
7 that the child's lack of activity would be
8 progressive over this period of time?

9 A Yes.

10 Q And on the 19th, when mom says that
11 she called the pediatrician's office and reported
12 that her child was not feeding well, and was
13 vomiting, you believe that it was below the
14 standard of care for the pediatrician not to have
15 seen this child right away?

16 MR. MISHKIND: Let me note an
17 objection. I won't say anything further, go
18 ahead, Doctor.

19 A Yes.

20 Q Why, Doctor?

21 MR. MISHKIND: To show a continuing
22 line of question, the questions concerning
23 to -- questions concerning Dr. Skrinska. You
24 can answer the question.

25 A I believe that on the 19th, this

1 Hand

2 mother was calling quite concerned about her baby
3 and a newborn who is not feeding, whose mother is
4 concerned about the health, deserves to be seen,
5 especially if she was also -- if she knew that the
6 baby was jaundiced and conveyed that to the Doctor,
7 she should have been seen immediately.

8 Q Well, do you hold the opinion that if
9 the mother reported to the pediatrician's office
10 that the child was not feeding well, that the child
11 was actually vomiting, that question should have
12 been presented to the mother, which would have
13 elicited these other findings such as the continued
14 and progressive jaundice, the lack of activity of
15 the child?

16 MR. MARKWORTH: Ill repeat the
17 question.

18 Q Doctor Hand, do you hold an opinion to
19 a reasonable degree of medical certainty that if
20 the mother had reported to Dr. Skrinska's office
21 that her child was not feeding well and that her
22 child was vomiting, that the office should have
23 asked questions of her which would have elicited
24 additional information such as the child was still
25 jaundiced or not active?

Hand

1

2

A Yes.

3

4

5

6

7

A Yes.

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Q If the child had been seen in a pediatrician's office at this time, is it your opinion and testimony that the child should have received antibiotic treatment?

Q And if the child had received antibiotic treatment at that time, do you hold an opinion as to whether or not this child would have suffered permanent damage from meningitis?

A Could you give me a specific time?

Q Let's say that per the mom's testimony, this occurred on August 19th.

MR. MISHKIND: I think Dale, also, mom's testimony was on the morning of the 19th, if I'm not mistaken. I may be wrong.

A I would say that possibly you could have avoided the meningitis had it been treated early on the 19th. Although I do believe that this was progressing at that point, and every hour that was delayed possibly towards the end of the day, on the 19th, may have already been too late to treat this baby and prevent totally the meningitis.

Q But even on the end of the 19th, if

1 Hand

2 antibiotic treatment had been instituted, would you
3 expect or do you hold the opinion that the degree
4 of permanent injury to this child for meningitis
5 would have occurred?

6 A I believe it would have lessened the
7 injury if the baby was treated even towards the end
8 of the 19th, yes.

9 Q And if the same question I have given
10 you relative to the contact by mom had occurred on
11 the 20th, what is your opinion regarding any
12 permanency of injury from meningitis?

13 A I think by the 20th, the child was
14 showing signs of meningitis just based on her
15 reports of lethargy and not feeding. Again, I
16 think by treating on the 20th, as opposed to the
17 21st, you may have lessened the degree of the
18 injury, the sequelae of the meningitis, but I don't
19 believe we would have been able to avoid the
20 meningitis, because I believe the child probably
21 had meningitis on the 20th.

22 Q And if this conversation with the mom
23 had occurred on the 21st, what is your opinion, if
24 any, regarding the likelihood of permanency of
25 injury from meningitis?

1 Hand

2 MR. MISHKIND: What time are you
3 talking about on the 21st, Dale, in your
4 hypothetical?

5 MR. MARKWORTH: I can't recall. When
6 was the record for Dr. Skrinska was somewhere
7 around 11:30 to 12:00.

8 MR. MISHKIND: We know the baby
9 appeared at Deaconess at 9:00 and sometime
10 during the -- sometime in the afternoon
11 there's a suggestion that there may have been
12 a communication with their office on that
13 day.

14 Q Doctor Hand, the question is, if the
15 conversation with Mrs. Maksym had occurred on or
16 about the 20th --

17 MR. MISHKIND: You mean the 21st,
18 don't you?

19 Q Around noon to 1:00 or 2:00 p.m., and
20 if the child had been then examined and put on
21 antibiotic therapy, within an hour or so,
22 thereafter, **do** you have an opinion as to whether or
23 not it would have made any difference as to the
24 degree of permanency **of** injury from the
25 meningitis?

1 Hand

2 A Are we talking about the 20th?

3 MR. MISHKIND: I think you meant the
4 21st.

5 MR. MARKWORTH: I said the 21st.

6 MR. MISHKIND: I think you said the
7 20th, but you meant the 21st.

8 MR. MARKWORTH: Sorry, 21st.

9 A I believe by the 21st, there would
10 have been no difference, since the child was
11 treated pretty promptly that day anyway, so I'm not
12 sure, at that point, it would have made any
13 difference.

14 Q Doctor, I want to turn to your report
15 on the second page.

16 (Recess taken.)

17 Q Dr. Hand, I was referring to your
18 report and directing you to the last page of your
19 report. Do you have that before you, Doctor?

20 A Yes.

21 Q You've indicated that since the time
22 of writing this report, you have now reviewed
23 Dr. Porter's deposition, correct?

24 A Yes.

25 Q And you reviewed the deposition of

Hand

1

2 Violet, right?

3 A Yes.

4 Q Have you ever reviewed the deposition
5 of Mark Baldwin, a laboratory technician from
6 Deaconess Hospital?

7 A I don't believe so.

8 Q I'm going to direct you to the state
9 screening test.

10 And now that you've read Violet's
11 deposition and Dr. Porter's deposition, do you have
12 an understanding as to what transpired relative to
13 the result of the state screening test?

14 A Yes. Do you want me to go into it?

15 Q I'm going to ask you a question, but
16 obviously, do you understand that Dr. Porter made
17 the initial telephone call to Dr. Jamhour **of**
18 Vuppula's office and spoke with Violet on August
19 24th?

20 A Yes.

21 Q Do you understand that on September
22 6th, the repeat test kit and results were received
23 by Dr. Jamhour and Vuppula's office?

24 A Yes.

25 Q Do you understand that the test

Hand

1

2 results were received at the Deaconess Hospital lab
3 on September 7th?

4 A Yes.

5 Q Do you understand that there was a
6 follow-up call by Deaconess Hospital regarding the
7 test results and the suspicion for galactosemia to
8 Dr. Jamhour and Vuppula's office?

9 A Yes.

10 Q And that that was noted and recorded
11 on September 7th?

12 A Yes.

13 Q With that additional information and
14 with other additional information you may have
15 obtained in your review of this case, do you still
16 hold the opinion that Deaconess bears some
17 responsibility as well to the families who informed
18 them of abnormal metabolic screening test results?

19 A I would correct my report to say that
20 no, I think Deaconess followed through by
21 contacting the physician. And so I think that was
22 their obligation and they performed it.

23 Q Doctor, what first of all, do you have
24 an opinion as to what if any damages or permanent
25 injuries occurred to Steven Maksym on account of

Hand

1
2 his suffering the bacterial meningitis alone?

3 A I believe that the hydrocephalus and a
4 need for the VP shunt, and the patient's
5 hemiparesis, is probably due to the meningitis.

6 Q Do you consider yourself to be an
7 expert in the field of metabolic disorders such as
8 galactosemia?

9 A No.

10 Q Doctor, in your report, you say
11 dietary management is the single most important
12 facet in treating galactosemia, do you see that?

13 A Yes.

14 Q Would you agree that application of
15 galactosemia can occur regardless of early
16 diagnosis and early institution of the diet and
17 that these complications can include speech and
18 language delay and neurological deficit?

19 MR. MISHKIND: Objection. Go ahead,
20 Doctor.

21 A I believe they can occur, but I
22 believe there's also a spectrum of disease and it
23 could have been lessened by the institution of a
24 lactose-free diet as early as possible.

25 Q But how much it could have been

1 Hand

2 lessened you would leave up to others who have
3 expertise in the field of metabolic diseases such
4 as galactosis, is that fair?

5 A Yes.

6 MR. MARKWORTH: Doctor, I'm done with
7 my questions at this time. Perhaps some of
8 the other counsel may have some questions.
9 Mr. Jones?

10 EXAMINATION

11 BY MR. JONES:

12 Q Can you hear me all right, Doctor?

13 A Yes.

14 Q I'm just organizing my notes.

15 MR. MISHKIND: Can you hear us?

16 We've got the jackhammer going on.

17 Q Doctor, you mentioned this photograph,
18 that Mr. Mishkind said to you, I want to ask you
19 one or two questions about that. Do you have it in
20 front of you?

21 A Yes.

22 Q Can you tell, Doctor, or have you been
23 told where that picture was taken?

24 A I don't recall.

25 Q Can you tell by looking at the picture

1 Hand

2 whether it's taken at the hospital or outside the
3 hospital?

4 A I can't tell.

5 MR. JONES: Mr. Mishkind, I'm not
6 that familiar with this file, so I'm not sure
7 whether that's been provided in response to
8 any discovery in this case. Has it?

9 MR. MISHKIND: I'm not sure it's ever
10 been requested, but I will represent on the
11 record that according to the family, who I
12 don't believe were ever asked specifically,
13 but it was taken in the hospital,

14 MR. JONES: Thank you.

15 Q Is anyone else in that picture,
16 Doctor?

17 A No.

18 MR. MISHKIND: A bed sheet.

19 Q Is the child on his back or --

20 A The child is on the back.

21 Q And what clothing is the child
22 wearing?

23 A Just a diaper.

24 Q Doctor, specifically, what is your
25 area of specialization?

1 Hand

2 A I am a Board certified pediatrician,
3 and a sub Board certified neonatologist.

4 Q In your areas of practice, Doctor, do
5 you have a text that you sometimes refer to?

6 MR. MISHKIND: Objection, go ahead.

7 A Not one particular text, no.

8 Q But there are a couple of texts that
9 are used in the teaching of pediatrics and
10 neonatology which you consider to be relevant as
11 far as going to to refresh yourself on things if
12 need be?

13 MR. MISHKIND: Objection.

14 A There are several texts that are out
15 that I may look things up and use periodically,
16 yes.

17 Q Since you're not that familiar with
18 galactosemia, Doctor, do you think that you may
19 have gone to one of these texts before preparing
20 your report or before your deposition today?

21 A Yes.

22 Q Do you know which text you most likely
23 would have gone to to refresh yourself on
24 galactosemia?

25 A I have several neonatal textbooks in

1 Hand

2 my office that I would have -- that I may have
3 looked things up in, although galactosemia is
4 fairly high in the differential of a baby with
5 prolonged hyperbilirubinemia, and especially with
6 the diagnosis of E. Coli information it's right at
7 the top of my list without going to any sources.

8 Q Would any of those texts in
9 neonatology be reasonable, for instance, to go to
10 to read about galactosemia?

11 MR. MISHKIND: Objection.

12 A They would provide some information on
13 galactosemia, sure, yes.

14 Q If had you gone to one of those texts
15 prior to preparing your report, because you
16 mentioned you did do some literature review but
17 couldn't identify any of the literature?

18 A Yes.

19 Q I'm trying to get an idea if you did
20 go to one of these texts, which text or texts would
21 you have gone to, can you identify it by title,
22 and/or author?

23 MR. MISHKIND: Let me just object
24 because, number 1, I'm not sure that he
25 testified that that was in fact the case. If

Hand

1
2 he did certainly, he can indicate, but go
3 ahead, respond, Doctor.

4 A There's --

5 MR. MISHKIND: First, he wants to
6 know, Mark, you want to know whether he did
7 specifically go to certain texts as opposed
8 to what texts he might have gone to?

9 Q What I understood, Doctor, let me be
10 sure I'm clear, you're unable to specifically
11 identify any text or journal article anything you
12 want to in preparation of your report or for your
13 deposition today?

14 A Correct.

15 Q But you said that you probably did go
16 to some literature -- actually you recall going to
17 some literature or texts prior to your preparing
18 your report and being deposed today, correct?

19 A Correct.

20 Q And if I understand it correctly, you
21 would have gone to a text to sort of brush up on
22 things before your deposition or preparation of
23 your report, correct?

24 A Correct. I have copies of a book by
25 Faniroff as well as by Avery, which I may have used

1 Hand

2 prior to writing my report.

3 Q These are two separate texts?

4 A Yes.

5 Q One is Avery?

6 A One is written by Avery -- they're
7 both pretty standard neonatology texts, one edited
8 by Avery, one by Faniroff.

9 Q Now, as far as keeping current -- with
10 the literature that's coming out on a regular basis
11 in your specialty, Doctor, what are the journals
12 that you regularly go to, as far as keeping
13 current?

14 A I have subscriptions to Pediatrics,
15 the Journal of Pediatrics, Pediatric Clinics,
16 Neonatal Clinics, Pediatric Annals, New England
17 Journal Every Medicine, those are some of the
18 journals that I have and irregularly read.

19 Q But you were reviewing the medical
20 literature before preparing your report or coming
21 in for your deposition today, how did you go about
22 that research, did you do a Med-line search on the
23 computer or did you go to sources in your office or
24 in the local library?

25 MR. MISHKIND: Objection, I'm not

1 Hand

2 sure he testified that he did research before
3 the deposition. You sort of are lumping
4 report and deposition together. But go ahead
5 and answer.

6 A Before the report, I had looked up
7 some articles on Med-line on my computer as well as
8 looking through whatever I might have had in my
9 files concerning hyperbilirubinemia.

10 Q Did you print out your Med-line
11 search?

12 A No.

13 Q Bear with me, Doctor, Mr. Markworth
14 covered mostly everything I needed to cover.

15 Doctor, before I leave this literature
16 area, do you know whether you sent a copy of any of
17 the literature you may have reviewed in this case
18 to Mr. Mishkind?

19 A I don't believe I did.

20 Q Do you know what if Mr. Mishkind ever
21 forwarded copies of any literature to you to review
22 in this case?

23 A No, I never received any from him.

24 Q Doctor, could you just give me the
25 signs and symptoms of galactosemia in a newborn?

1 Hand

2 A The signs of galactosemia initially
3 can be just very subtle, being hyperbilirubinemia,
4 and then usually it will progress to something
5 involving liver failure, hepatomegaly abnormal
6 liver functions. Sometimes the babies will become
7 severely hypoglycemic or acidotic, and basically,
8 they just have a progress worsening course.

9 But, the initial signs can similarly
10 be a prolonged and increasing rise in bilirubin.

11 Q Is the diagnosis made primarily based
12 upon laboratory data?

13 A Well, the diagnosis is made by
14 combination of physical findings, suspicion. If a
15 case like this, even though there was a screen done
16 at the time that the baby was born, a state screen,
17 the diagnosis could have been made simply by
18 checking the urine for reducing substances and
19 eliminating glucose as a possible substance in the
20 urine.

21 So, even though we do an actual enzyme
22 test to make the diagnosis of galactosemia,
23 clearly, based on the suspicion of
24 hyperbilirubinemia and some very simple lab test
25 you could have been pretty confident in that

1 Hand

2 diagnosis without getting that enzyme test.

3 Q What is the sensitivity of the urine
4 test that you've mentioned?

5 A I can't say offhand, but I would
6 assume it to be very sensitive, because there are
7 not that many substances that cause this positive
8 test of galactose in the urine, especially since
9 you can eliminate glucose as one of the reducing
10 substances. So, given the fact that I can find a
11 reducing substance in the urine, and I have a baby
12 with hyperbilirubinemia, I would be pretty
13 convinced and I believe that it's a very sensitive
14 test.

15 Q What kinds of things can interfere
16 with the results of that test, if there are things
17 that can interfere with it, Doctor?

18 A Well, hyperglycemia, high glucose
19 levels, certain drugs, I believe, can interfere
20 with the glucose oxidation test. But again, it's
21 all given a clinical picture. I think it's a
22 pretty sensitive test.

23 Q And what is the clinical -- Doctor,
24 you said that it depends upon the clinical picture
25 and what I want to know is what is the clinical

1 Hand

2 picture in a newborn that requires that a doctor
3 get the test for galactosemia in order to meet the
4 standard **of** care?

5 A If I have a baby with unexplained
6 jaundice above the physiological range who is
7 showing some systemic signs of vomiting, lethargy,
8 I believe that at that point, the -- a test should
9 be done to rule out galactosemia.

10 Q Then, in this particular case, Doctor,
11 on August 17th, when the bilirubin is within the
12 physiologic range, that is, 10.2, and there was no
13 vomiting or lethargy, is it safe for me to assume
14 that it was not necessary to do the test for
15 galactosemia at that time?

16 MR. MISHKIND: Let me object in your
17 hypotheticals, because you are assuming that
18 certain facts which will be in evidence
19 aren't in that hypothetical. You're asking
20 him to exclude vomiting and lethargy and and
21 just assume 10.2 bilirubin, correct?

22 MR. JONES: I don't want to have any
23 problems. I admit I don't know this case as
24 well as some **of** you guys.

25 MR. MISHKIND: The only reason I said

1 Hand

2 that, obviously there's inconsistency between
3 records and testimony, but there will be
4 testimony of lethargy, there will be
5 testimony of vomiting from a number of
6 people.

7 And all I'm saying to you is that in
8 your questions to the doctor, you've asked
9 him to assume 10.2 and you've asked him to
10 assume that there is no lethargy and
11 vomiting.

12 MR. JONES: Let me step back for a
13 second.

14 MR. MISHKIND: Okay.

15 Q Doctor, from the chart, as I
16 understand it, the only indication **of** anything
17 approaching vomiting or lethargy was on August
18 15th, correct?

19 A Correct.

20 Q And at that time, there was no
21 elevation in the bilirubin as far as we know,
22 correct?

23 A Correct.

24 Q So, from the chart, the evidence we
25 have in the record in the treatment of this child,

1 Hand

2 at the time there was any indication for or
3 inference that could be made regarding vomiting or
4 lethargy, the bilirubin, there's no indication it
5 was out of the normal range and therefore there is
6 no need to take any steps to try to diagnose
7 galactosemia at that time, correct?

8 A Correct.

9 Q On the date of discharge, August 17th,
10 is there any evidence in the records that I may
11 admit, that would draw an inference in your mind
12 that there was any vomiting or lethargy in this
13 child?

14 A There was no report **of** vomiting or
15 lethargy on the medical record from the 17th.

16 Q Going beyond the record, then, to all
17 of the materials you have reviewed, is there
18 anything upon which you draw the conclusion or the
19 inference that while this child was still in the
20 hospital on August 17th, there was any vomiting or
21 lethargy evident?

22 A Well, the other materials being the
23 depositions of the mother and father, they do
24 report lethargy present on, again, from the day of
25 birth, and that was also present on the 17th.

1 Hand

2 Q Oh. So, from the parents' report of
3 what they considered to be lethargy at all times,
4 you have that, how about for any evidence of
5 vomiting on the date of discharge?

6 A I don't have any evidence of that, no.

7 Q And on the date of discharge, we have
8 a bilirubin that was drawn, correct?

9 A Correct.

10 Q That was 10.2, correct?

11 A Correct.

12 Q So, even if we take at face value the
13 testimony of the mother and father that in their
14 opinion the child was lethargic on the date of
15 discharge, the fact that there was no evidence of
16 vomiting or an increase of bilirubin beyond the
17 physiologic level, I assume there was no need for
18 the doctors at that point to follow up on
19 galactosemia, correct?

20 MR. MISHKIND: Let me object to
21 the --

22 A At that time there was no reason to
23 test for galactosemia.

24 Q All right, if I've understood where we
25 finally ended up after Mr. Markworth's questioning,

1 Hand

2 it's not your opinion that this child had to stay
3 in the hospital in order to meet the standard of
4 care, correct?

5 A Well, what I said was that had this
6 baby been examined and information given to the
7 mother that she would come back either that evening
8 or the next day with the baby, then it would have
9 been -- I would have felt more comfortable in
10 saying that it would -- was okay to discharge the
11 baby.

12 But without making that commitment to
13 see the baby again, I believe it was below the
14 standard of care to discharge the patient at that
15 point, without seeing the baby and without making
16 concrete plans to see the baby again.

17 Q If this child been kept in the
18 hospital, Doctor, what in your opinion was required
19 as far as additional diagnostic testing or
20 treatment of this child from what we have of the
21 child's presentation on the 17th?

22 A Well, I believe at a minimum, a repeat
23 bilirubin level would have been done, which I
24 believe would have shown increasing jaundice. If
25 the baby was in the hospital at that point, it's

1 Hand

2 probable that the baby may have exhibited some of
3 the other signs that the mother noted, poor
4 feeding, lethargy.

5 And at that point a decision would
6 have been made to more fully evaluate the baby with
7 a blood count and a blood culture, at which point,
8 I believe they would have isolated a bacteria
9 e. Coli from the blood.

10 Q You're saying that within three days
11 of birth, within a reasonable medical probability,
12 this child was septic?

13 A I'm saying this baby was bacteremic
14 three days after birth.

15 Q From what you understand about the
16 testimony from the mother and father in this case,
17 what was this child's condition on the rest of the
18 day of discharge at home, that is, the 17th, and
19 then the next day, the 18th?

20 A I believe there was feeding problems
21 and the baby was not very active and had increasing
22 amount of regurgitation, and had decreased feeding
23 as the day wore on and the next day wore on.

24 Q Now, I wasn't present for all these
25 depositions, so I'm not sure what the testimony

1 Hand

2 was, but was it an explanation that you understand
3 as to why the mother and father did not contact a
4 Doctor during the rest of the day on the 17th or
5 the 18th?

6 A I'm not sure.

7 MR. MISHKIND: I'm not sure that that
8 question was asked. I could tell you what
9 the parents are going to explain when they
10 take the stand, but that would be giving away
11 evidence that I'm not going to share with
12 you.

13 MR. JONES: You're not going to
14 volunteer that over what --

15 MR. MISHKIND: Not even going to
16 throw that little carrot out for *you*.

17 Q As you sit there today you have no
18 understanding as far as why the parents didn't
19 contact a physician during that period of time,
20 correct?

21 A My only opinion would be that they
22 weren't made aware **of** what the possible
23 complications might be in **a** newborn sent home and
24 they weren't alerted to some of the signs that are
25 worrisome; signs of infection, sepsis,

1 Hand

2 hyperbilirubinemia, and that's why they didn't
3 call.

4 Q From what you understand about what
5 the parents have described, would you agree that
6 the child's condition worsened over the next day
7 and a half after discharge?

8 A Yes.

9 Q Doctor, having read the deposition of
10 Violet Cory, do you understand that it is her
11 recollection that the mother was contacted about
12 the state screening test for galactosemia while
13 this child was admitted to Metro Health Center in
14 Cleveland?

15 A Yes.

16 Q If Violet Cory's recollection is
17 correct, has the doctor's office discharged its
18 duty as far as notifying the patient of the
19 screening test and the necessity for rescreening of
20 this patient?

21 A I don't believe so, because there was
22 a delay in the notification of the mother about the
23 results of the test.

24 Q And that delay is what period of time,
25 Doctor?

1 Hand

2 A I believe it was from the 24th of
3 August to September 6th.

4 Q And for that period of the delay in
5 this case, can you quantitate in any way the degree
6 of damage done to this child as a result of that
7 delay?

8 A It's hard for me to quantitate the
9 degree of damage done. I do feel that had the
10 diagnosis and/or suspicion been conveyed on the
11 24th, that Metro would have had the diagnosis at
12 that point and there would have been -- it would
13 have been less of a question as to why the baby had
14 come in that way. And possibly, there would be a
15 better outcome, although I can't tell from the
16 case.

17 Q Do you know whether the child had
18 any -- I'm not sure if I'm using the term right, or
19 if I'm using it incorrectly, let me know, but
20 galactose during the early part of the admission to
21 Metro?

22 A I don't believe the child did, but I
23 believe it was below the standard of care to do a
24 screening test for a potentially damaging lethal
25 disease and not notify anyone concerning the

1 Hand

2 results of that disease until approximately two
3 weeks after the first notice was made.

4 Q Okay. I appreciate that, Doctor, but
5 I'm trying to get an idea because I'm not that
6 familiar with these medical problems, as to whether
7 a week-and-a-half to two-week delay has a
8 measurable or quantifiable injury to this child
9 that you can testify to to a reasonable medical
10 probability. That's all I need to know right now.

11 A I don't believe I could point to a
12 quantifiable medical injury from that two-week
13 delay in diagnosis.

14 Q Doctor, I take it you have looked at
15 the MRI scan in this case?

16 A I've only looked at a report of the
17 MRI scan.

18 MR. JONES: That's all I have,
19 Doctor, thanks.

20 EXAMINATION

21 BY MS. REID:

22 Q I represent Metro Health Medical
23 Center, how are you?

24 A I'm fine.

25 Q Just a few questions for you,

1 Hand

2 Dr. Hand, can you describe your understanding of
3 Steven Maksym's medical status when he arrived at
4 Metro Health Medical Center?

5 A He was a very ill child, septic and
6 meningitic, thrombocytopenic and liver failure.

7 Q Is it fair to say he was near death at
8 the time he arrived at Metro?

9 A Yes.

10 Q And without appropriate treatment by
11 the physicians at Metro he probably would have
12 died?

13 MR. MISHKIND: Objection.

14 A Yes.

15 MR. MISHKIND: I objected and the
16 Doctor said, "Yes".

17 (Record read.)

18 MR. MISHKIND: Thank you. No
19 problem.

20 Q Is it fair to say, Dr. Hand, that the
21 meningitis from which Steven Maksym suffered was
22 severe enough to result in significant brain
23 damage?

24 A Yes.

25 Q Do you have an opinion as to whether

1 Hand

2 or not the meningitis itself affected his IQ or
3 cognitive ability?

4 A I believe it probably affected his IQ
5 and cognitive ability.

6 Q Am I correct that you quantify to what
7 extent it did?

8 A Correct.

9 Q How about his motor development, do
10 you have an opinion whether the meningitis affected
11 that?

12 A Yes, I believe it also affected it,
13 but it's hard to quantify.

14 Q Meningitis also affected his attentive
15 abilities?

16 A Yes. Yes, again hard to quantify and
17 differentiate from the galactosemia.

18 Q Is it your understanding, Dr. Hand,
19 that there's a direct correlation between the
20 amount of galactose which a galactosemic ingests
21 and the extent of injury they will suffer?

22 A I wouldn't say there's a direct
23 correlation, because even patients who are on
24 galactose-free diets can have some residual damage
25 from their galactosemia. But I do believe that in

1 Hand

2 general, the higher the galactose levels are in the
3 patient, the more damage will be done.

4 Q All right. What's your understanding,
5 Dr. Hand, of the amount or quantity of galactose
6 Steven Maksym was getting while he was being bottle
7 fed?

8 A What was that? What time frame are
9 you speaking in?

10 Q During the time that he was on strict
11 bottle feeding.

12 A Prior to his arrival at Metro Health?

13 Q No, even after that?

14 MR. MISHKIND: You're talking about
15 basically the first nine months or so?

16 (Record read.)

17 MS. REID: Exactly, I'm sorry.

18 MR. MISHKIND: Nine months of life?

19 A He was on Progestamil and Isomil at
20 that time, so -- which don't contain galactose, so
21 from the bottle feeding, he would be getting a
22 minimal amount of galactose, if any.

23 Q Okay. Do you have an understanding
24 about the amount of galactose he was ingesting when
25 he went off bottle feeding after the first nine

1 Hand

2 months of life?

3 A I'm under the impression that he was
4 fed a rather regular diet, which would contain
5 significant amounts of galactose in it.

6 Q Where do you glean that understanding?

7 A Just from the mother's deposition of
8 what he was eating, which sounded like a normal
9 diet consisting of table foods.

10 Q So in your opinion, there wasn't any
11 limitation on the galactose in his normal diet
12 after the first nine months of life?

13 A Right, correct.

14 Q Do you have an opinion as to what
15 point in time the plaintiffs are -- oh, I'm sorry,
16 Steven Maksym began to experience brain injury as a
17 result of galactosemia?

18 A It's hard to quantify. He probably
19 had high levels of galactose in his system
20 initially, actually, prior to his admission to
21 Metro Health, as he became sicker and could
22 tolerate less feedings. And then when he was on
23 intravenous feedings, his galactose levels were
24 probably low, so there probably was little damage
25 done at that point per se, from actual galactose

1 Hand

2 levels in the system.

3 And I would say that as his diet began
4 to normalize and new foods that weren't galactose
5 free were introduced, he was again put at risk, and
6 developed ongoing brain damage from the galactose
7 in the diet.

8 Q Would you agree, Dr. Hand, that liver
9 damage will occur in a galactosemic patient who
10 receives a chronic or toxic overload of galactose?

11 MR. MISHKIND: Objection, you're
12 talking about in every patient?

13 MS. REID: In a galactosemic
14 patient.

15 MR. MISHKIND: In every galactosemic
16 patient or --

17 MS. REID: I didn't, in general.

18 MR. MISHKIND: Go ahead and answer,
19 if you can.

20 A In general, liver damage will occur in
21 a galactosemic patient fed galactose.

22 Q Do you see any evidence of liver
23 damage in Steven Maksym?

24 A He had elevated liver enzymes and a
25 coagulopathy which was secondary to liver failure

1 Hand

2 upon admission to Metro Health.

3 Q I wasn't clear there, how about
4 permanent liver damage?

5 A I see no evidence, at this point of
6 permanent liver damage.

7 Q One second while I look over my notes,
8 Doctor.

9 Dr. Hand, do you agree that most if
10 not all **of** the damage suffered by galactosemic
11 patients if left untreated would occur during the
12 first year **of** life?

13 A I'm not sure of that, just because
14 of -- because I've never heard of a galactosemic
15 going so long without a diagnosis made, so I'm not
16 sure if there is any literature to that or not.

17 Q You can't answer that one way or
18 another?

19 A No.

20 Q That's all I have. Thanks for your
21 time.

22 EXAMINATION

23 BY MR. MARKWORTH:

24 Q Just a few follow-up questions. You
25 indicated that you have read the nursing

1 Hand

2 depositions that have been given to you, correct?

3 A Yes.

4 Q Based upon your review of the nursing
5 deposition testimony alone, is there any particular
6 nurse there that you're critical of and hold the
7 opinion that she did not meet her applicable
8 standard of care?

9 MR. MISHKIND: Objection, go ahead.

10 A There were a couple of instances and I
11 do not recall the names of the nurses. There was
12 one instance, I believe, where the temperature
13 elevation of 37.9 was not reported to the doctor.

14 There was -- and then there was the
15 whole question of discharge. When should a nurse
16 discharge a patient without writing a discharge
17 note and two, should a nurse write a discharge note
18 without discharging the patient, which I believe
19 are both deviations from proper care.

20 Q And when you make those statements,
21 and those conclusions, are you relying upon any
22 outside authority, other than your own experience?

23 A No. It's my experience.

24 Q In other words, you're not looking to
25 any kind of procedure, protocol, you're not looking

1 Hand

2 to any kind of guideline or standard promulgated by
3 a hospital or hospital association or any nursing
4 association, is that fair?

5 A No, it's just common sense.

6 Q And and in terms of the issue of --
7 about the discharge note, you're referring to the
8 fact that discharge instructions were given by one
9 nurse and when the shift changed another nurse
10 noted the fact that they were so given by the other
11 nurse. Is that what you're referencing to?

12 A I would have to look it up and see the
13 actual -- what the actual writing was, but that may
14 be what I'm referencing to.

15 Q Is there anything else about that --

16 A I believe that was the problem.

17 Q But that was the problem that was
18 relevant only to the manner of recording the
19 information, charting it, as it were?

20 A Yes.

21 Q Doctor, have you expressed all of your
22 opinions that you expect or intend to give at the
23 time of trial?

24 MR. MISHKIND: Let me object, I'm not
25 sure that he has been questioned to the full

1 Hand

2 extent by any of you. His report is a
3 summary of the opinions, but I don't want him
4 being limited if I ask questions on aspects
5 of his opinions that one or more of you
6 haven't questioned him at the time of trial
7 on.

8 So you can certainly go ahead and
9 answer the question, but I don't want him
10 limited.

11 A Yes.

12 Q And you knew and understood that
13 you've been designated as an expert witness and
14 that today was the opportunity for all counsel in
15 this case to obtain what your opinions were and the
16 basis for those opinions, you understood that,
17 correct?

18 A Yes.

19 MR. MISHKIND: The reason for my
20 objection, I'm not saying you haven't, but
21 I'm also saying that to the extent that you
22 or one of your colleagues didn't ask him
23 specific questions which he has addressed or
24 opined in his report or aspects of those
25 opinions, that's not my fault, it's yours.

1 Hand

2 And it's not the doctor's obligation
3 to sit here and just spew out each and every
4 aspect of his opinion, His obligation is to
5 respond to questions that are put to him.

6 MR. MARKWORTH: Fine, Howard. That's
7 your statement, but my question is --

8 Q Including your written report of
9 October 1995, and including the testimony here
10 today, to your understanding, Doctor, have you at
11 least touched upon all of the areas that you expect
12 or intend to give testimony in the trial of this
13 action?

14 A Yes.

15 MR. MARKWORTH: Nothing further.

16 MR. MISHKIND: Mark, anything
17 further?

18 MR. JONES: No.

19 (Continued on next page.)

20

21

22

23

24

25

1 Hand

2 MR. MISHKIND: The record should
3 reflect the Doctor will read the transcript,
4 so there **will** not be a waiver of signature
5 under Ohio rules.

6 (Whereupon, at 1:45 p.m., the
7 deposition was adjourned as above set forth.)

8

9

10

IVAN HAND, M.D.

11

12 Subscribed and sworn to

13 before me this day

14 of , 1996.

15

16

17

18

19

20

21

22

23

24

25

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

I N D E X

<u>WITNESS</u>	<u>EXAMINED BY</u>	<u>PAGE</u>
Ivan Hand, M.D.	Mr. Markworth	3
	Mr. Jones	66
	Ms. Reid	84
	Mr. Markworth	90

1

2 STATE OF NEW YORK)
) ss.:
3 COUNTY OF NEW YORK)

4

5 I, RENATE REID, a Notary Public of the State
6 of New York, do hereby certify that the foregoing
7 deposition of IVAN HAND, M.D. was taken before me
8 on the 1st day of November, 1996.

9 The said witness was duly sworn before the
10 commencement of the testimony; the said testimony
11 was taken stenographically by myself and then
12 transcribed.

13 The within transcript is a true record of the
14 said deposition.

15 I am not connected by blood or marriage with
16 any of the said parties, nor interested directly or
17 indirectly in the matter in controversy, nor am I
18 in the employ of any of the counsel.

19 In witness whereof, I have hereunto set my
20 hand and seal of office at the County and State of
21 New York on this 2nd day of November, 1996.

22

23

24

25



RENAME REID