

IN THE COURT OF COMMON PLEAS

CUYAHOGA COUNTY, OHIO

XAITLIN STEVENS,
etc., et al.,

DOC. 325

Plaintiffs,

-vs-

JUDGE CALABRESE
CASE NO. 221097

HURIKADALE SUNDARESH, M.D.,
et al.,

Defendants.

- - - -

Deposition of JOANNE C. MORTIMER, M.D., taken
as if upon cross-examination before Dawn M. Fade,
a Registered Professional Reporter and Notary
Public within and for the State of Ohio, at the
Case Western Reserve University School of
Medicine, 2119 Abington, Cleveland, Ohio, at 1:10
p.m. on Monday, March 23, 1992, pursuant to
notice and/or stipulations of counsel, on behalf
of the Defendants in this cause.

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1 APPEARANCES:

2 Charles Kampinski, Esq.
3 Christopher M. Mellino, Esq.
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9 On behalf of the Plaintiffs;

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15 On behalf of the Defendant
16 Booth Memorial Hospital kna
17 MetroHealth Hospital for women;

18 John V. Jackson, 11, Esq.
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23 On behalf of the Defendants
24 Hurikadale P. Sundaresh, M.D. and
25 Joanne C. Mortimer, M.D.

26 ALSO PRESENT:

27 Diane M. Kaluszyk R.N., legal assistant

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1 JOANNE C. MORTIMER, M.D., of lawful age,
2 called by the Defendants for the purpose of
3 cross-examination, as provided by the Rules of
4 Civil Procedure, being by me first duly sworn, as
5 hereinafter certified, deposed and said as
6 follows:

7 CROSS-EXAMINATION OF JOANNE C. MORTIMER, M.D.
8 BY MR. KAMPINSKI:

9 . Okay. Would you state your full name, please.

10 MR. JACKSON: You might want to
11 indicate on the record that we called.

12 MR. KAMPINSKI: We're taking the
13 deposition of Dr. Mortimer.

14 Mr. Goldwasser's office was notified of the
15 time and place. It is now, what, about 1:10
16 and there's nobody here from his office
17 yet. Apparently, there is somebody en
18 route. And we are going to go ahead and get
19 started. If they need to review anything
20 that we have gone over, I assume Mr. Jackson
21 will give them the opportunity to do so.

22 MR. JACKSON: Yes.

23 . Would you state your full name, please.

24 . Joanne Clarage Mortimer.

25 . Doctor, I'm going to ask you a number of

1 questions this afternoon. If you don't
2 understand any of them, tell me, I'll be happy to
3 rephrase any question you don't understand. When
4 you respond to my questions, I'd ask that you do
5 so verbally. She is going to be taking down
6 everything we say, she can't take down a nod of
7 your head.

8 . All right.

9 . I have just been handed your CV, and to be honest
10 with you, I haven't had an opportunity to absorb
11 it all. Is this up-to-date, is this a current
12 CV?

13 . No, it's a little behind.

14 . Why don't you at least update me on anything that
15 is not on here.

16 . Okay. Since this CV was originally done, I no
17 longer go to Health Hill Hospital.

18 . When did you stop going there?

19 . November 21st.

20 . Of '91?

21 . Of '91, yes. Middle of last November, right
22 before Thanksgiving. So I no longer am an
23 attending physician at Health Hill for children.

24 I am director of the Edward I. and Fannie L.
25 Baker ARC Down syndrome Research Center,

1 International Down syndrome Research Center. I'm
2 also director of the Down Syndrome Clinic. I'm
3 also, now, medical director of 6 West, which is
4 one of the inpatient units at RB&C. I still work
5 with children with spina bifida, cerebral palsy,
6 cleft lip and palate, but less so.

7 I have, the article on, with Dr. Drotar has
8 actually been published. I can get you the
9 actual reference if you want it.

10 And I also have in press at this point a
11 chapter for a book. The book is on pediatric
12 emergency room medicine, and my chapter is on
13 emergency management of the child with multiple
14 handicaps.

15 Q. Does that deal at all with Down syndrome
16 children?

17 A. Yes.

18 Q. Okay. Does your book chapter on Practical Guide
19 to --

20 A. Pediatric Intensive Care. That chapter is more
21 general. In other words, it deals with children
22 on respirators which might or might not.

23 Q. Okay. All right. When you say it's in press, it
24 has not been published yet?

25 A. Actually, this one has also been published.

1 Q. Okay. The one you just indicated that was in
2 press has not been published?

3 A. Right.

4 Q. Okay. And where would I get a copy of that?

5 A. You could call to find out about it. You call
6 844-8260 and ask for Dr. Robert Reese. He is the
7 editor.

8 Q. Reese?

9 A. Yes.

10 Q. Okay. He would be able to provide me with a
11 copy, then?

12 A. Well, if it's -- the last I saw of it, it was in
13 the galleys.

14 Q. You would have copies?

15 A. He has them.

16 Q. Well, do you have copies?

17 A. Of my chapter?

18 Q. Yes.

19 A. Yes.

20 Q. Okay.

21 A. Not beautiful ones.

22 Q. All right. But if we made a request --

23 A. Yes.

24 Q. You could provide those to Mr. Jackson?

25 A. Yes.

- 1 . Doctor, you grew up or you were born in
2 California. Is that where you grew up?
3 . No. I grew up in Cleveland.
4 . Where did you graduate high school from?
5 . Cleveland Heights.
6 . When was that?
7 . 1966.
8 . Okay. And did you then go to Smith College?
9 . Yes.
10 . And when did you start there?
11 . 1966.
12 . And did you graduate?
13 . Yes, I did.
14 . BA, okay. When was that?
15 . 1970.
16 . Why did you do a postgraduate year doing premed
17 curriculum; is it you didn't have the right
18 subjects in undergraduate school?
19 . Yes.
20 . And just, for example, what kinds of subjects did
21 you need to take?
22 . I needed to take physics, chemistry and organic
23 chemistry.
24 . Then you continued at New Mexico, and you went to
25 the medical school there?

- 1 . Uh-huh.
- 2 . Okay. After you did your internship and
3 residency in Rochester, you then remained in
4 Rochester and worked for some period of time?
- 5 . Yes.
- 6 . What did you do for the Brown Square Health
7 Center and the Monroe County Department of Public
8 Health?
- 9 . Brown Square was a neighborhood health center on
10 a family practice model, and I worked there.
- 11 . Okay. As a physician?
- 12 . As a physician.
- 13 . Okay.
- 14 . And for the Monroe County Department of Health I
15 was a school physician.
- 16 . For the entire school system or --
- 17 . There were, I don't remember, there was some
18 number of us, five or something, and they had the
19 school system divided up, in Rochester, among the
20 physicians.
- 21 . How would that work, would you go to a different
22 school each day, then?
- 23 . We had very specific tasks assigned to us. For
24 example, go look in the ears of everyone who
25 failed a hearing test, and we would go from

1 school to school and do that.

2 I see. Okay. What is the reason that you spent,
3 what, 14, 15 months doing that?

4 I was trying to clarify in my own mind whether I
5 wanted to remain in pediatrics or do family
6 medicine or internal medicine.

7 Okay. And you were doing both, then, I take it?
8 And the family medicine was what was done at the
9 Brown Square.

10 Right.

11 Right. There are different training programs, so
12 I was considering what my options would be in
13 terms of training programs.

14 Okay. I take it you kept your hand in
15 pediatrics?

16 Oh, yes.

17 Working for Monroe County Department of Public
18 Health?

19 Yes. And also at Brown Square I saw a lot of
20 kids.

21 I take it you then decided on going into
22 pediatrics?

23 That's right.

24 So that you did an additional residency at
25 Loyola?

CO.

LABR

1 A. Yes. I completed the residency.

2 Q. Okay. And then you did a fellowship, it says,
3 special - limited. What does that mean?

4 A. That means I got a grant and got to take a small
5 three-month sabbatical to go study pediatric
6 rehabilitation at the Rehabilitation Institute of
7 Chicago.

8 Q. What is pediatric rehabilitation?

9 A. In terms of what kind of patients or --

10 Q. No. I mean that is a field of medicine?

11 A. Yes. It's a field of medicine. It's a
12 subspecialty, it's a nonboarded subspecialty of
13 either physical medicine and rehabilitation or of
14 pediatrics.

15 Q. And this would be of impaired children?

16 A. Yes.

17 Q. All right. Are you boarded, then?

18 A. In pediatrics, yes.

19 Q. And when were you boarded? Oh, I see, May of
20 '83?

21 A. I have to look. Uh-huh.

22 Q. Okay. Was that the first time taking the test?

23 A. Yes.

24 Q. Do you have any other boards?

25 A. No.

- 1 . Have you tried to obtain any other boards?
- 2 . No.
- 3 . Are there any specialty boards for either CP
- 4 children, spina bifida children, Down syndrome
- 5 children?
- 6 . Not at this point, no.
- 7 . Okay. I notice, in just briefly going through
- 8 your CV, a lot of it has to do with spina bifida
- 9 children?
- 10 . Yes.
- 11 . Many of the community activities, some of the
- 12 positions that you apparently held, specifically
- 13 related to those. Would you consider yourself a
- 14 specialist in spina bifida children?
- 15 . I would consider myself an expert.
- 16 . Okay. And did you focus on those children at
- 17 some portion of your training and then work?
- 18 . Yes.
- 19 . When was that?
- 20 . Back when I was in Chicago at, working at,
- 21 starting about in '81 and going forward.
- 22 . That's right after your residency, is that
- 23 correct?
- 24 . Yes.
- 25 . What did you do from July of 1980 until -- oh, I

- 1 see. You were assistant professor at the Chicago
2 Medical School?
- 3 . Yes.
- 4 . After your residency?
- 5 . Yes.
- 6 . Okay. And it was during that period of time,
7 then, that you specialized in spina bifida
8 children?
- 9 . No. What I would say is it's an area in which I
10 studied and gained experience from then until
11 probably up to including now.
- 12 . How about Down syndrome children, at what point
13 did you obtain expertise regarding those kinds of
14 children?
- 15 . I'd say over the same period of time.
- 16 . Well, **was** there any fellowship or specific course
17 of study that you undertook dealing with Down
18 syndrome children?
- 19 . No.
- 20 . All right. This is something that you would have
21 learned through your general pediatric training
22 as well as your experience with children?
- 23 . As well as through specific continuing education
24 programs.
- 25 . Uh-huh.

- 1 And through things like the time I spent at the
2 rehabilitation institute.
- 3 And that was when?
- 4 . That was in --
- 5 . Oh, you are talking about that limited
6 fellowship?
- 7 . Yes.
- 8 . All right. Doctor, you mentioned, in updating me
9 on your CV, that *you* were director of the Down
10 Syndrome Clinic?
- 11 . The Down Syndrome Clinic.
- 12 . All right. What is the Down Syndrome Clinic?
- 13 . It's a practice associated with Rainbow Babies &
14 Childrens Hospital where patients are seen at the
15 Park East Medical Building at the Rainbow
16 subspecialty center.
- 17 . Well, is it a corporation, is t a legal entity?
18 What is the Down Syndrome Clin C?
- 19 . I have no idea.
- 20 . Well, I mean, do you receive a paycheck from
21 them?
- 22 . No.
- 23 . Okay. Who are you employed by currently?
- 24 . Case Western Reserve University School of
25 Medicine.

- 1 . Okay. And that's for your teaching duties?
- 2 . That is where all of my salary comes from, comes
3 through Case Western Reserve.
- 4 . For your seeing and treating Xaitlin Stevens, who
5 were you employed by?
- 6 . Case Western Reserve University.
- 7 . All right. And how is it that they would have
8 paid you for seeing her, do you know?
- 9 . NO.
- 10 . All right. Do you have a private clinical
11 practice aside from Case Western Reserve?
- 12 . No.
- 13 . You don't have private patients, then?
- 14 . I guess I don't understand your question.
- 15 . Well, you see patients where?
- 16 . I see patients in Rainbow.
- 17 . Okay.
- 18 . At Park East Medical Center, and at the Lakewood
19 Professional Building.
- 20 . All right. Is the name of the offices at Park
21 East Down Syndrome Clinic or what is the name of
22 the offices?
- 23 Rainbow Pediatric Subspecialty Clinics or
24 Subspecialty Center, maybe.
- 25 Okay. Let's go slow. How long have you been

1 here at Case Western?

2 Six years.

3 All right. When you first came here what was
4 your job?

5 . I was --

6 MR. KAM INSKI: Let the record sh
7 that Mr. Aveni has just joined us.

8 MR. AVENI: Thank you.

9 . I was the liaison between Rainbow and Health Hill
10 Hospital to set up some special programs there,
11 and I worked in the birth defects center at
12 Rainbow.

13 . Okay. And who were you employed by when you came
14 here?

15 . Case Western Reserve University.

16 . And has that been true throughout?

17 . Yes.

18 . Have you received checks for your medical
19 services from anybody else since you have worked
20 for Case Western Reserve University?

21 . No.

22 . So you have been an employee of theirs, no matter
23 what actual physical things you have done, they
24 paid you for doing it?

25 . Yes.

1 Q. In addition, you have teaching duties, correct?

2 A. Yes.

3 Q. You teach, what, residents, medical students,
4 both?

5 A. Both.

6 Q. Okay. Let me go back again. This Down Syndrome
7 Clinic, where is it located?

8 A. At the Rainbow Pediatric Subspecialty Center at
9 Park East.

10 Q. All right. And how is it staffed? I mean, who
11 runs that office? Is it other physicians --

12 A. I don't understand your question.

13 Q. Who is in the office besides yourself?

14 A. You mean just at the time that I'm there.

15 Q. At any time. How many physicians are there?
Almost all of the subspecialists from Rainbow are
out there at one time or another.

When you say subspecialists, what do you mean?

19 A. Pediatric cardiologist, pediatric GI, **pu** monary,
20 and *so* on.

21 Q. So is this -- I'm sorry. Go ahead.

22 A. Ask.

23 Q. Is this like a satellite office allowing people
24 on the east side to get treatment for their
25 children as opposed to coming to Rainbow?

1 A Yes.

2 Q Okay. So it's part of Rainbow Babies & Childrens
3 Hospital?

4 A Yes.

5 Q And the clinic is just a part of the hospital,
6 then, or do you know?

7 A I don't understand your question.

8 Q I'm trying to figure out what the clinic is, I
9 mean, whether it's some separate entity, you
10 know, specifically what it is. Do you know?

11 A I guess I must not know. I can't answer your
12 question.

13 Q You mentioned something else as it related to
14 your CV, and I don't remember what it was, other
15 than director of the Down Syndrome Clinic; do you
16 remember?

17 A I'm medical director of 6 West.

18 Q No, there was something else that you mentioned
19 before being director of the Down Syndrome
20 Clinic.

21 A I'm director of the Down syndrome Center, which
22 has a long name.

23 Q What is that?

24 A That is a --

25 Q Well, first of all, what is the long name?

- 1 . Edward I. and Fannie L. Baker ARC International
2 Resource Center for Down Syndrome located at Case
3 Western Reserve University Medical School.
- 4 . What is that?
- 5 . That is, it's an entity which is funded by grants
6 which does not have any clinical responsibilities
7 or clinical arm. It is strictly related to
8 education, research, and being a resource for
9 persons with Down syndrome, their families, other
10 interested persons in the community,
11 professionals, and **so** on.
- 12 . How long has that been in existence?
- 13 . About 18 months.
- 14 . And did you have something to do with its coming
15 into existence?
- 16 . I was one of the people who wrote the grant, yes.
- 17 . When you say, wrote the grant, that is applied
18 for funds?
- 19 . Applied for funds, yes.
- 20 . Who is funding it?
- 21 . It is funded through the ARC
- 22 . And that's what?
- 23 . Association for Retarded Citizens.
- 24 . Okay. The Down Syndrome Clinic, how long has it
25 been in existence?

- 1 Q. A couple of years, probably.
- 2 Q. And did you have something to do with its
3 foundation?
- 4 L. I was the physician who was asked to run it.
- 5 Q. Okay. Are there other physicians who are also
6 involved in running the Down Syndrome Clinic?
- 7 L. NO.
- 8 Q. so you are the only physician, then?
- 9 L. Yes.
- 10 Q. Has that been true since its inception?
- 11 L. Yes.
- 12 Q. Then you mentioned you are director of 6 West?
- 13 L. Yes.
- 14 Q. What is 6 West?
- 15 Q. 6 West is one of the floors, one of the units at
16 Rainbow, and it has a different form of
17 organization than the other various floors or
18 patient care units at Rainbow in that it is not
19 staffed full time by house officers, and the
20 intent and plan is to admit children with lower
21 equity problems there and run it more like a
22 private hospital might run; and it also, there's,
23 it costs less.
- 24 Q. Is it for mentally as well as physically
25 disturbed children?

1 . . No. It's for, basically it's for any child with
2 a problem for which they need to be hospitalized,
3 like asthma, but which is under good enough
4 control that they don't need to be hospitalized
5 on, in an area where 24 hours a day there is a
6 resident within ten feet of them.

7 . . All right. So patients who would be admitted
8 there could be Down syndrome children?

9 . Yes.

10 . But not necessarily for being a Down syndrome
11 child, but some condition associated with it or
12 not even necessarily that, for example, if a Down
13 syndrome children had asthma?

14 . Yes.

15 They could be admitted there?

16 Yes.

17 When you see -- are those just staff patients
18 that are there?

19 There are a variety of people that actually do
20 the attending physician jobs on those. I am the
21 attending physician for patients who come from
22 the pediatric practice, which is the pediatric
23 clinic on the first floor of Rainbow, as well as
24 for patients that are followed through the Down
25 Syndrome Clinic or spina bifida, cerebral palsy.

- 1 2. Okay. What is the Children's Research Foundation
2 of Cleveland?
- 3 A. I think it's a, it's where the patient billings
4 go, I think.
- 5 Q. Where your patient billings --
- 6 A. In other words, when they get the money, I think
7 that's where they send it.
- 8 Q. When they get the money?
- 9 A. Whoever collects the money, the hospital.
- 10 Q. Okay. In other words, if you treat a child who
11 has insurance, for example, how do you physically
12 bill for your treatment?
- 13 A. On an outpatient basis or inpatient basis
- 14 Q. Let's do both.
- 15 A. On an outpatient basis, the chart comes w th a
16 charge ticket attached on the front of it I
17 write, I make an X by whatever level of care this
18 was, was it an initia visit, a brief visit, and
19 **so** on. And then down below there's a whole list
20 of diagnoses, and I e ther mark the child's
21 diagnosis or down where it says other I put
22 other, then I hand it to people at the front
23 desk.
- 24 Q. All right. How about inpatient?
- 25 A. Inpatient, we have cards that we stamp with the

1 patient's name and hospital number off their
2 hospital plate, and it also has levels of visit
3 from, you know, extended, intermediate, brief,
4 initial, and then it has the days of the month
5 across the top, and under each day of the month
6 you put an X in the box that corresponds to how,
7 you know, the level of your service to the
8 patient on that day.

9 Okay. And then these slips, what happens to
10 them, do you know?

11 I put them in a box in my division office and
12 they magically turn into bills.

13 Okay. Do you know who does the billing?

14 In my, the business manager in the division that
15 I am currently in is Diane Kodger.

16 Is she an employee of the hospital?

17 Yes.

18 So the hospital, then, bills for your services?

19 Yes.

20 Do you know what arrangement they have, if any,
21 with Case Western to then reimburse Case Western
22 in some fashion for the payment to you?

23 No, I don't.

24 All right.

25 All I know is that I am considered a Case Western

1 employee and my paycheck comes from Case Western.

2 Q. Does your paycheck or the amount depend, to some
3 extent, on the services you provide to the
4 patients?

5 A. No.

6 Q. All right. So are you totally salaried, then?

7 A. Yes.

8 Q. And it doesn't matter how much work you do for
9 any patients in any given month, you receive the
10 same pay?

11 A. Yes.

12 Q. Does it, does the amount of work constitute some
13 basis for your increases in salary in any
14 subsequent years?

15 A. NO.

16 Q. Okay. So your billings out have nothing to do
17 with what you receive?

18 A. Right.

19 Q. How are or who is paid for the work you do at the
20 Down Syndrome Clinic, do you know, or is that the
21 same scenario that we just went through?

22 A. Same scenario.

23 Q. So there would be slips that you would fill out
24 for kids you would see at the clinic?

25 A. Same kind of billing slips I just described.

1 Q. Okay. All right. The children that you see at
2 the Down Syndrome Clinic, do you keep a file on
3 them?

4 A. Yes.

5 Q. Where physically is the file kept?

6 A. It's kept in a file cabinet in my office

7 Q. And your office is where?

8 A. At this point it's kept over here.

9 Q. Where was it?

10 A. In my office in the hospital.

11 . How long have you been here in the medical
12 school?

13 . I moved the Down syndrome charts over here in the
14 middle of January.

15 . Of this year?

16 . Of this year.

17 . And how long were your offices in the medical
18 school -- or in the hospital?

19 . Ever since I got here, six years.

20 . Okay. Did you bring Kaitlin Stevens' file with
21 you?

22 . Yes.

23

- - - -

24

(Thereupon, Plaintiffs' Exhibit

25

Mortimer 1 was mark'd for purposes of

1 identification.)

2 - - - -

3 . Doctor, I'm going to hand you what has been
4 marked Exhibit 1, and if you would identify that,
5 please, for the record.

6 . It is Kaitlin Stevens' chart from my office.

7 . That is your entire record regarding Kaitlin
8 Stevens?

9 . Yes, it is.

10 . Has there been anything removed from that chart
11 to your knowledge?

12 MR. JACKSON: Just correspondence
13 and pleadings, that's all, we did that
14 before the deposition.

15 MR. KAMPINSKI: Let her answer.

16 MR. JACKSON: You can answer.

17 . Just like correspondence and interrogatories and
18 questions and stuff like that.

19 . When you say correspondence, correspondence
20 between whom?

21 . Between me and my attorneys.

22 . Okay. Have there been any phone messages
23 removed?

24 . NO.

25 . Has there been anything added, since the lawsuit,

1 to your chart?

2 A. No.

3 Q. All right. Doctor, I'm going to hand you at
4 least what I received from your office when I
5 requested your records.

6 A. Okay.

7 2. And if you would take a look at that for just a
8 second.

9 A. Okay.

10 Q. Now, in your record is an EKG, correct?

11 A. Uh-huh, yes.

12 Q. All right. That's not in what was sent to me.
13 Could you explain that?

14 4. No. I have no idea why it wasn't there.

15 Q. Additionally, there is a phone message apparently
16 relating to some conversation that apparently
17 your secretary had with --

18 4. Yes.

19 Q. .. Mrs. Stevens?

20 A. Yes.

21 Q. That's also not in the records that were sent to
22 me. Do you know why?

23 A. No.

24 Q. Well, let me ask you this: When you received a
25 request for records from Mr. Mellino, who is my

1 associate, what did you do?

2 A. Handed them to my secretary.

3 Q. Handed what to your secretary?

4 A. Your request for records to my secretary.

5 Q. That was before there was any lawsuit, correct?

6 A. I don't even remember when it was.

7 Q. Well, had you shown your records to anybody
8 before handing them to your secretary?

9 A. NO.

10 2. I mean, had you called an attorney or were you
11 represented by anybody at that time?

12 A. I don't honestly remember.

13 2. Well, had anybody gone through your records
14 before they were sent to me is my question?

15 A. You mean had an attorney looked at them before
16 they were sent out?

17 2. Yes, ma'am.

18 A. NO.

19 2. To your knowledge, was the EKG and this message
20 in your records at the time they were requested
21 by my office?

22 A. Yes.

23 Q. When did you get the EKG?

24 A. I don't, I can't give you an exact date. I would
25 guess within two weeks, probably, of when it was

1 done. That's allowing for hospital mail.

2 Okay. What did you do with it when you got it?

3 I looked at it and put it in the chart or gave it
4 to my secretary to put in the chart. Sorry.

5 Is it normal or abnormal?

6 I guess I don't understand. Do you want to know
7 what I thought at the time or do you want to
8 know --

9 Yes, I want to know what you thought at the time?

10 Okay. The reading on the EKG isn't inconsistent
11 with a pediatric EKG.

12 Is it -- well, okay. I don't know if that's an
13 answer to my question. I mean, is that normal or
14 abnormal?

15 Well, first of all, are you a cardiologist?

16 NO.

17 Do you feel competent, though, to read and
18 interpret a pediatric EKG?

19 Excuse me. With the use of references, there are
20 things that I can read and interpret off an EKG.
21 I would not call myself an expert in any way in
22 reading EKGs.

23 Well, when you received this, did you seek any
24 consultation from anybody who was an expert in
25 reading EKGs for purposes of determining whether

1 this was a potential problem in Kaitlin Stevens?

2 . No. I read the reading on the EKG.

3 . When you say the reading, you are talking about
4 the typed portion there?

5 . Yes.

6 . Okay. What did that tell you?

7 . Poor quality, poor data quality, not unexpected
8 in children who squirm around.

9 . Okay.

10 . Sinus tachycardia, fast heart rate, not
11 unexpected in children, they run faster heart
12 rates than adults.

13 . Okay.

14 . Pulmonary disease pattern and right ventricular
15 hypertrophy. Children often have what looks like
16 right ventricular hypertrophy on EKGs when they
17 are interpreted by someone who is used to
18 interpreting adult EKGs.

19 . Who interpreted this EKG?

20 . This person whose name I can't read, Neyya Sheba.

21 . Is she -- what's her competence or ability to
22 read pediatric EKGs?

23 MR. AVENI: Objection.

24 MR. JACKSON: Do you know? You can
25 answer.

1 A. No idea.

2 Q. And the reason I asked you that, I assumed you
3 didn't know based on the fact you really didn't
4 know who this was. Did you call her then to find
5 out?

6 A. No.

7 Q. Okay. Well, you just said that this can often be
8 misinterpreted by someone who is not used to
9 dealing with children's EKGs.

10 A. Yes.

11 Q. How would you know whether or not she had the
12 ability to deal with a child's EKG?

13 A. I wouldn't know whether she did or didn't.

14 Q. Well, did you then assume that her reading of the
15 EKG was accurate, and that is it did show a
16 pulmonary disease pattern and right ventricular
17 hypertrophy?

18 A. No. I believed that she had read it as an adult
19 cardiologist reading a pediatric EKG.

20 Q. Why would you do that? Under age it's got 15
21 months over on the left, upper left-hand
22 portion. Do you see where that is written in,
23 doctor?

24 A. Yes.

25 Q. So that the person reading this would have known

1 that this was a child?

2 MR. JACKSON: You are assuming that.

3 MR. KAMPINSKI: Yes, Well, I **am**
4 assuming it, and I guess I want to know why
5 the doctor would assume anything to the
6 contrary.

7 . It appears to me that these were, that this was a
8 computerized reading of an EKG. Computerized
9 readings will often come up with these kind of
10 readings on an EKG, which are not meaningful in
11 light of the fact that the person is a child.

12 . Well, I want to make sure I understand your
13 testimony, doctor. You just read me a name, Neya
14 Sheba it looks like.

15 . Uh-huh.

16 . Who presumably is the person who read these.

17 . Uh-huh.

18 . Now you are telling me that you presume it was a
19 computerized reading?

20 . This looks like a computerized reading to me
21 which this doctor signed. Now, I really, I don't
22 know. If you want to know that, you are going to
23 have to ask the physician who did it.

24 . That's fair, doctor. If you don't know, I assume
25 you didn't know then either?

- 1 . I don't understand your question.
- 2 . At the time you got the EKG, I mean, you get an
3 EKG, you find -- these are abnormal readings, are
4 they not, pulmonary disease pattern, right
5 ventricular hypertrophy, correct, those are
6 abnormalities?
- 7 . Everything listed here is an abnormality.
- 8 . Let's deal with one at a time. Those two can
9 have adverse consequences to a Down syndrome
10 child, can they not?
- 11 . They might or they might not.
- 12 . Right, so that the answer to my question is they
13 can have adverse consequences to a child, cannot
14 they, if they exist?
- 15 . If they exist, they might have adverse
16 consequences.
- 17 . And can they be evidence of septal defects?
- 18 . Not classically, no.
- 19 . Well, what does classically a septal defect look
20 like on an EKG?
- 21 . It has an abnormal superior factor.
- 22 . And have you seen nonclassical findings on EKGs
23 that --
- 24 . Actually, let me correct myself, I'm talking
25 about AV canal. You are talking VSD or ASD.

1 Yes.

2 I'm sorry. There is no classical finding for VSD
3 or ASD on EKG.

4 Well, does it show as a pulmonary disease
5 pattern, or can it?

6 It would be possible.

7 Well, I mean, what happens when you have a VSD
8 and ASD that is not surgically corrected, what
9 occurs to that child?

10 It depends.

11 Or what can occur?

12 Well, a lot of different things. It depends.

13 I'm sorry. I'm listening. Go ahead.

14 It depends on the location, on the size --

15 Let's say a large one.

16 -- and **so** on. A large VSD?

17 Yes.

18 It depends on the age. Most of those are
19 ultimately corrected. They cause loud heart
20 murmurs and --

21 Is it your testimony that most VSDs and ASDs
22 cause heart murmurs?

23 Most VSDs cause heart murmurs, ASDs are less
24 likely.

25 And there is a great potential for severe defects

- 1 to exist in the absence of a murmur in children
2 with Down syndrome?
- 3 . There is a potential for a different kind of
4 defect to exist.
- 5 . Different than ventricular septal or
6 atrioventricular septal defects?
- 7 . No. I'm sorry. A ventricular septal defect and
8 an atrioventricular septal defect are two
9 different things.
- 10 . Yes.
- 11 . An atrioventricular defect, also called an AV
12 canal, is a third thing.
- 13 . Okay. What was Kaitlin Stevens ultimately
14 diagnosed with?
- 15 . My understanding is she has an AV canal.
- 16 . And can you have an AV canal without murmurs?
- 17 . Yes.
- 18 . Is that common in infants with Down syndrome?
- 19 . Reasonably.
- 20 . Okay. So that the absence of murmur would not
21 tell you that there is an absence of an AV canal?
- 22 . Correct.
- 23 . Okay. And what would you anticipate on an EKG if
24 you had an AV canal?
- 25 . And abnormal superior factor.

1 Q. How about pulmonary disease?

2 A. NO.

3 Q. How about right ventricular hypertrophy?

4 A. NO.

5 Q. How about ST elevation due to early
6 repolarization?

7 A. NO.

8 Q. How about non-specific ST abnormality?

9 A. NO.

10 Q. And the last, and I have been reading off the
11 EKG --

12 A. Yes.

13 Q. -- the last one, abnormal ECG, do you read that
14 as something different than what was set forth
15 above?

16 A. I read that as consistent with what was set forth
17 above. I do not read what was set forth above as
18 diagnostic of an AV canal defect.

19 Q. All right. What would you expect to see, then,
20 if you had an AV canal defect?

21 A. In that list?

22 Q. Yes.

23 A. Abnormal superior factor.

24 Q. In the absence of that, you would not be
25 concerned with an AV canal?

1 Yes.

2 Okay. Are any of the symptoms that I or that are
3 set forth on the EXG consistent with ventricular
4 septal or atrioventricular septal defects?

5 They might be.

6 Which ones?

7 Well, sinus tachycardia, abnormal ECG, possibly
8 right ventricular hypertrophy.

9 Okay. What did you do to follow up on the
10 findings of this EKG when you received the EKG?

11 I was pleased for Xaitlin, because I had been
12 quite concerned that she -- not quite, I hadn't
13 been quite concerned, I had been -- one always
14 worries, and I was pleased that no abnormal
15 superior factor was noted on the EKG.

16 Did she develop the AV canal, then, after this
17 EKG?

18 No. It's a congenital defect.

19 I see. Are you suggesting, then, that the EKG
20 was not taken appropriately or not performed
21 appropriately?

22 MR. AVENI: Objection.

23 All I can say is that that was not noted on the
24 readings of the EXG that we have just been
25 through.

1 The EKG that you have, that is the original, to
2 your knowledge?

3 Yes.

4 Is that the entire EKG?

5 It appears to be.

6 Can you determine from that strip, doctor, how
7 long the EKG was that was taken and whether or
8 not they sent you the whole thing or just a
9 strip?

10 MR. JACKSON: You mean the period of
11 time reflected on this, is that what you are
12 asking?

13 MR. KAMPINSKI: Yes.

14 MR. JACKSON: Do you have a longer
15 strip? You are apparently looking at
16 something there that is either a copy of
17 this or more.

18 MR. KAMPINSKI: No. I'll be happy
19 to answer your questions, Mr. Jackson. I
20 don't have in front of me a longer copy than
21 you have.

22 MR. JACKSON: Do you have a copy of
23 what is here?

24 MR. KAMPINSKI: I think so.

25 Although, I never got it from her so I don't

1 know.

2 MR. JACKSON: I assume you want to
3 compare it, then?

4 MR. KAMPINSKI: Yes, that would be a
5 good idea.

6 . I c n't tell you how long they ran it. I can try
7 to calculate from the rate to how long it took
8 them.

9 . Okay.

10 MR. AVENI: Note an objection.

11 MR. JACKSON: Don't guess, doctor.

12 If you can give him --

13 . If you can give me some idea, please?

14 . I think I'd just as soon not.

15 . Doctor, when we talk about an AV canal defect,
16 that's a hole in the wall between the top and the
17 bottom of the heart?

18 . Yes.

19 . I mean, roughly speaking?

20 . Yes.

21 . And is that surgically treatable?

22 . Surgical options are available, yes.

23 . Okay. Are there studies that have compared
24 surgical and medical options?

25 . I couldn't -- I'm sure there have been. I have

1 not -- I couldn't quote you any.

2 . Well, I mean, you deal with these children. If
3 not surgically repaired, what typically happens
4 when a child has an AV canal defect?

5 . They can have, they may have a shortened life
6 expectancy, somewhat.

7 . As a result of what, irreversible lung damage?

8 . Yes.

9 . And they die a fairly brutal death, don't they,
10 as a result of that?

11 MR. JACKSON: Objection. And I said
12 go ahead and answer.

13 MR. AVENI: Objection.

14 . I wouldn't say that they do, no.

15 . Well, how do they die, then?

16 . Well, they die, when they die, they die of either
17 respiratory or cardiac failure, in general.

18 . Maybe I misspoke. Is the course leading to their
19 death fairly difficult both for them as well as
20 their parents? Is this an elongated period of
21 time causing this type of death?

22 MR. JACKSON: Objection.

23 MR. AVENI: Objection.

24 MR. JACKSON: You may answer, if you
25 can.

1 A. It's not really a question I can answer.

2 Q. Why not? Have you watched these children die
3 from that disease process?

4 A. I have watched them both live and die with that
5 disease process.

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1 Q. Okay. And what would it be for a child who had
2 AV canal defect?

3 A. Repaired or unrepaired?

4 Q. Unrepaired.

5 A. Probably into the 30s, late 30s.

6 Q. All right. And the reason for the shortened life
7 expectancy is what, doctor?

8 A. Problems with heart failure, respiratory failure.

9 Q. All right. Is there a window of time where these
10 children have or where this defect has to be
11 caught in order to conduct surgical repair?

12 A. Frequently there is.

13 Q. And what is that time frame?

14 A. Usually within the first few months of life.

15 Q. Okay. And why is that?

16 A. Because otherwise they, the pulmonary artery
17 pressure rises irreversibly.

18 Q. In order to diagnose this, what do you have to do
19 as a physician?

20 A. It can be the abnormal superior factor is
21 diagnostic of it. As you say, you often don't
22 hear a murmur.

23 Q. So you are telling me an EKG, then, is required
24 in order to make this diagnosis?

25 A. That's probably the simplest thing that is

1 required.

2). Okay. How about an echocardiogram?

3 \. Those are also nice.

4). I mean, is that also diagnostic?

5 \. It would be diagnostic, yes.

6). It would be more diagnostic than an EXG?

7 \. I don't really know.

8). Any other tests?

9 \. Well, you could do a cardiac catheterization.

10). Well, you wouldn't necessarily do that unless you
11 had a suspicion that it existed, though, would
12 you?

13 \. You asked me, we sort of went from --

14 !. You are right. That's a fair response. And let
15 me rephrase the question. If in fact you were --
16 well, what percentage of Down syndrome children
17 have such a defect?

18 \. 30 to 50 percent have a cardiac defect of wh ch
19 perhaps one-third, maybe a little less, have an
20 AV canal, 10 to 15 percent.

21). Okay. And as a physician, if you had to deal,
22 then, with a Down syndrome child, this is
23 something that you would want to test for to make
24 sure that the child didn't have this problem,
25 correct?

1 MR. AVENI: Objection. YOU may
2 answer.

3 Well, now in 1992 yes.

4 Well, how about when Kaitlin Stevens was born?
5 The recommendations for work-up on following
6 children with Down syndrome have been changing
7 over the past ten years, 15 years.

8 We are talking about 1989.

9 So you are asking me what I would expect of
10 myself or what I would expect of someone else.
11 What the standard of care is for working up a
12 Down syndrome child in 1989 knowing that, you
13 know, 15 percent of these children can have AV
14 canal defects.

15 In a tertiary care hospital like Rainbow we would
16 get an EKG.

17 Well, you are -- excuse me, doctor, but the child
18 doesn't know if she is in a tertiary care or
19 secondary care or where she is, **so**, I mean, in
20 terms of trying to find a problem, if you can't
21 sufficiently deal with the problem, you
22 generically, not you specifically, if you don't
23 know what you are doing, then you send her to a
24 specialist, right; and assuming you continue to
25 deal with the child, presumably you have to deal

1 with her correctly, don't you?

2 .. I guess what I'm trying to say is I'm not sure, I
3 can't tell you what the standard of care really
4 was in 1989 for people not in a tertiary care
5 center.

6 !. Well, what was it for people in a tertiary care
7 center in 1989?

8 .. We would get an EKG.

9 . How about an echo?

10 .. No, not an echo.

11 . Okay. Anything else other than an EKG, then?

12 .. NO.

13 . Would you follow up on an abnormal EXG, then,
14 with other testing?

15 . If it showed this abnormal superior factor.

16 . Okay. You would do what, echo, catheterization?

17 . Yes, refer them to a cardiologist for further
18 work-up.

19 . Okay. Well, I mean, wouldn't you agree, doctor,
20 that any physician having, dealing with a Down
21 syndrome child in 1989 was required within the
22 first year of that child's life to do an EKG?

23 MR. JACKSON: Objection. You may
24 answer.

25 I actually -- I don't know. I can't speak to

1 what community standard of care was.

2 Q. Because you weren't a family practitioner?

3 A. Community physician, no.

4 Q. You did a residency or worked in a family
5 practice setting?

6 A. Uh-huh, yes.

7 Q. And did you deal with Down syndrome children at
8 that time?

9 A. I don't remember any.

10 Q. Okay. Is one of the reasons you were concerned
11 about Kaitlin and that you recommended an EKG is
12 because one had not been done?

13 A. Her mother didn't remember one having been done,
14 yes, **so** I recommended she get one.

15 Q. Did you have any discussions with Dr. Sundaresh
16 to see if one had been done?

17 A. NO.

18 Q. Did you request his records or did they bring you
19 his records?

20 A. NO.

21 Q. Did you see Kaitlin on more than one occasion or
22 was it only one time?

23 A. Only this one time.

24 Q. Okay. So you were happy for Kaitlin, then, when
25 you received this EKG?

1 Q. Yes.

2 Q. Despite the fact that even the abnormalities that
3 were reported on there could have been diagnostic
4 of some other disease process?

5 MR. JACKSON: Objection. You may
6 answer.

7 Q. Correct?

8 Q. Could have been suggestive of another disease
9 process.

10 Q. What did you do to follow up on those?

11 Q. I couldn't think of anything that would be
12 suggestive of that I wouldn't have heard a
13 murmur.

14 I'm sorry?

15 That I wouldn't have heard a murmur.

16 I see. Well, I thought we or I thought you had
17 indicated that you would not necessarily expect
18 to hear a murmur if there was a ventricular
19 septal defect?

20 No. I must have misspoken myself. It's the AV
21 canal that you don't hear the murmur with.

22 All right. So is it your testimony that it is
23 not particularly common to have a ventricular
24 septal defect without a murmur in Down syndrome
25 children, is that your testimony?

- 1 . That is my testimony.
- 2 . What do you consider as an authoritative text as
3 it relates to Down syndrome children, doctor?
- 4 . Actually, it's hard, because things are, the
5 field is changing rapidly, and I don't think I
6 would put my authoritative faith in any text.
- 7 . Well, what texts do you keep in your office as it
8 relates to Down syndrome children?
- 9 . I keep multiple texts, and I keep a continuous
10 and up-to-date file of articles on children, on
11 Down syndrome.
- 12 . What are they, what are the texts?
- 13 . I have an edition of Nelson's Textbook of
14 Pediatrics; I have an edition of Smith's
15 Recognizable patterns of Human Formation; I have
16 a book called A Difference in the Family; I have,
17 you know, several neural anatomy books; I have
18 books on pediatric orthopedics; I have some books
19 called the whole pediatrician catalog, which are,
20 actually list sort of pearls of, about different
21 things; I have some pediatric dermatology books;
22 I have some books on care of the chronically ill
23 child; I have that intensive care book that I
24 wrote the chapter for; I have, I have some books
25 on physical medicine and rehabilitation.

1 Is that helpful.

2 Any on cardiology, fetal cardiology?

3 No, uh-uh.

4 Why not?

5 Well, frankly, as I said, there are no books that
6 I would consider authoritative.

7 None, there are no authoritative cardiology
8 books?

9 MR. JACKSON: She said no books that
10 she would consider authoritative, didn't
11 she?

12 What I said, by the time a book is published,
13 it's already out of date.

14 Are there any people, physicians that you
15 consider authoritative as it relates to fetal
16 cardiology?

17 MR. JACKSON: What do you mean by
18 authoritative people? Can you explain?

19 Well, people who you would consider experts in
20 the area of fetal cardiology.

21 Of fetal cardiology?

22 Yes.

23 I don't know anybody who does fetal cardiology.

24 I know they are out there. I don't know them.

25 How about pediatric cardiology?

1 There are four cardiologists here at Rainbow,
2 Dr. Liebman, Dr. Butto, Dr. Zahka, Dr. Levine.
3 How about nationally known pediatric
4 cardiologists, would you consider any of them
5 having any specific expertise as it relates to
6 Down syndrome children?

7 I don't know any nationally known pediatric
8 cardiologists.

9 MR. JACKSON: Maybe you could give
10 us a name and she could comment on it for
11 you. Do you have a name in mind?

12 MR. KAMPINSKI: Well, I'm **just**
13 curious as to her knowledge.

14 MR. JACKSON: If you have a name in
15 mind, why don't you ask her to comment on it
16 for you.

17 Are there any papers that specifically deal with
18 Down syndrome children that you consider
19 authoritative, doctor?

20 There are many, many papers that deal with Down
21 syndrome children. I wouldn't consider any of
22 them authoritative alone.

23 When did you find out that Kaitlin had a heart
24 defect?

25 I actually don't remember. Dr. Zahka called me.

1 . I'm sorry. Doctor --

2 . Zahka called me. I can't figure back right now,

3 but I could figure back to when it was. It **was**

4 right before he and I, a couple weeks before he

5 and I and some other physicians gave a

6 presentation on Down syndrome to a parent group.

7 . Where was that presentation?

8 . Where was it; in the Rainbow amphitheater.

9 . This year, last year?

10 . Last year.

11 . '91?

12 . '91.

13 . Was that videotaped, was it transcribed?

14 . I have no idea.

15 . And who sponsored the presentation?

16 . The Upside of Down syndrome.

17 . I'm sorry, the Upside of Down syndrome?

18 . Yes.

19 . Is that a group?

20 . Down syndrome family group.

21 . And where are they located?

22 . They don't have a headquarters, per se

23 headquarters. If you need numbers of where they

24 can be reached, we can probably get them for you.

25 . Are they in the phone book?

1 MR. JACKSON: Doctor, you said
2 1991. Did you mean '90 or '91? Are you
3 talking about the date she learned about
4 this?

5 MR. KAMPINSKI: That's what I
6 thought I asked her.

7 A. It was when Ken Zahka called me before we gave
8 this talk, and I honestly don't know. I think it
9 was just last year, but I could be wrong.

10 Q. What records would you have that would tell us
11 that?

12 A. The talk, when we gave the talk?

13 Q. Yes.

14 A. I would have to go back through old appointment
15 books.

16 Q. Well, there is nothing in her chart that reflects
17 you talked to him. Would you have written a memo
18 to the chart?

19 A. NO.

20 Q. There is one phone message in your record.

21 A. Yes.

22 Q. Do all phone messages get in the chart or some of
23 them or none of them or how does that work?

24 A. Some of them.

25 Q. By looking at one, that doesn't tell us whether

1 there may have been others?

2 A. Right.

3 Q. And, to your knowledge, none have been removed?

4 A. Right.

5 Q. Who was your secretary in 1990?

6 A. Annie Pickens.

7 Q. Pickens?

8 A. Yes.

9 Q. Is she still your secretary?

10 A. NO.

11 Q. How long was she your secretary?

12 A. Five years.

13 Q. And when did she stop being your secretary?

14 A. In February.

15 Q. Of this year?

16 A. Of this year.

17 Q. And why was that?

18 A. She accepted a position in pathology.

19 Q. I'm sorry. In --

20 A. Pathology, the department of pathology.

21 Q. Who is she a secretary for now?

22 A. Some lucky guy. I don't know.

23 Q. Okay. When you first met with Kaitlin, did you
24 meet with her parents as well?

25 A. Yes. At least her mother. I don't remember if

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1 . What is that?

2 . D-e-r-e-k.

3 . What is that?

4 . I would bet that it's the name of a sib.

5 . Okay.

6 . Then you can read all that stuff my secretary
7 wrote.

8 MR. JACKSON: What is a sib, doctor,
9 so the record is clear?

10 THE WITNESS: Brother. A sibling,
11 brother.

12 . When you say, all the stuff your secretary wrote,
13 that's under --

14 . Kaitlin Stevens.

15 . -- in the ID card imprint area?

16 . Yes.

17 . Where did you see her?

18 . At Park East.

19 . Go ahead.

20 . On the first line it says, two half sibs, 16,
21 14. In other words, she has two either half
22 brothers or half sisters, one is 16 and one is
23 14. Then it says, dad 40 and underneath it mom
24 32.

25 . Go down to the next line, it says, G2 P2,

which means gravida 2, para 2, two pregnancies,
two living children.

3 Next line it says, Booth, which would be the
4 hospital she delivered at, seven pounds, two
5 ounces. Then it says, alphafetaprotein up, or
6 arrow going up, increased.

7 Next line says, had a twin, expired at five
8 weeks. Then it says, poor weight gain with an
9 arrow. I always think of that as yield. Had
10 FTT, failure to thrive, nursing.

11 Next line says, fed Q two hours, fed every
12 two hours, slept through night.

13 . Let me stop you for a second. What significance
14 is the poor weight gain and the failure to
15 thrive?

16 . The significance varies, actually, with kids with
17 Down syndrome.

18 . What can be the significance to you as a
19 physician?

20 . Poor suck, poor motor coordination, decreased
21 tone, you know, need for more teaching about
22 feeding to the mother.

23 . Okay.

24 . Significant underlying problems might cause it.

25 . Such as a heart defect?

1 Like a big VSD might, but you would hear a
2 murmur. So, in general, when this happens in
3 kids with Down syndrome, what is happening is
4 it's their poor motor tone, poor motor
5 coordination, and low tone. Some kids aspirate.
6 I didn't see any history of aspiration,
7 consistent with aspiration in her.

8 Is it your personal experience that you base the
9 statement that you wouldn't have a VSD without
10 murmur?

11 With a VSD, you often don't get the murmur very
12 early on until the pulmonary artery pressure
13 drops, and then, you know, so there may be no
14 shunting across the --

15 Well, when would you anticipate pulmonary artery
16 pressure to drop?

17 About two to four weeks of age.

18 Okay. I'm sorry. Go ahead.

19 Okay. No heart/stomach problems.

20 And how did you determine there were no heart
21 problems?

22 This is history.

23 I see. In other words, this is everything you
24 are receiving from the parent?

25 Yes. Shots UTD, that means up-to-date. Play

1 group at MRDD, it's the County Board of Mental
2 Retardation Development Disability.

3 Next line says, eats, then the next line
4 says, devel on Denver, that means her development
5 is recorded on the Denver form. Then it says,
6 saw Dr. Owens. Yielded high weight, down below,
7 three to four months old.

8 Then the next line says arrow, hearing test
9 two weeks RB&C. The next line says, starting to
10 stand.

11 Then you go over to the physical exam, which
12 says, hip popping on left, that's L with a circle
13 around it. Then it says increased P2, soft one
14 to two/6 M with a circle around it, that's
15 murmur.

16 Then it says no HS megaly, that means no
17 hepatosplenomegaly.

18 Then it says, pale, mottled, question mark,
19 gray. Then it says schedule EKG.

20 Q. All right. Was that the only handwritten page
21 that you had, then, of the first meeting?

22 A. The only one that I wrote on, yes.

23 Q. Okay. When it says, schedule EKG, does that
24 provide you with a clue as to whether you would
25 have asked the question as to whether there had

- 1 been a previous EKG?
- 2 . I think I must have asked, yes.
- 3 . This doesn't tell us, though, whether she had had
4 one, I mean, the fact that you say schedule EKG,
5 or does it tell you she had not had one?
- 6 . What it tells me is her mother doesn't remember
7 that she had one.
- 8 . In your written report, doctor, you refer to,
9 when I say written, I shouldn't have said that,
10 typewritten, and that's something you dictated
11 after your meeting, apparently?
- 12 . Yes.
- 13 . Okay. When did you dictate that, can you tell?
- 14 . Sometime between 7/19 and 8/10.
- 15 . Because it wasn't transcribed until August 10th?
- 16 . Right.
- 17 . You put down there in the last sentence, I would
18 suggest that a baseline EKG be obtained. That
19 indicates to me that at least you believe that
20 there hadn't been one before that time?
- 21 . Yes.
- 22 . Okay. All right. You copy, then, Dr. Sundaresh,
23 so you knew that he had been the treating
24 pediatrician?
- 25 Yes.

1 Q. Do you know Dr. Sundaresh?

2 A. I never met him.

3 Q. Did you speak to him?

4 A. I don't believe I have ever spoken to him.

5 - - - -

6 (Telephone interruption.)

7 - - - -

8 Q. She had the EKG done at Booth.

9 A. Uh-huh.

10 Q. Was that as a result of any of your input, I
11 mean, did you arrange for her to have it done
12 there as opposed to anywhere else?

13 A. No.

Q. Do you know how it was that she had it at Booth?

15 A. I assumed it was geographically closer to her and
16 it was also where her pediatrician -- I don't
17 know if he admits there, but that was where the
18 child was born, so I assume it's --

19 Q. You didn't have a problem with her having it
20 there or anywhere or did you; did it matter to
21 you?

22 A. I would have preferred it was done at Rainbow.

23 Q. Why is that?

24 A. Because then it would have been looked at by a
pediatric cardiologist.

1 Q. Well, okay. When you got this, then, did you
2 call her and say, I want you to have one done by
3 a pediatric cardiologist?

4 A. No. I looked at it and it looked okay.

5 Q. I'll try to reconcile what you are telling me and
6 your concern you stated earlier with this being
7 done by a computer and/or someone who may have
8 not been conversant in pediatric cardiology and
9 may have read it as an adult's, so if that was a
10 concern of yours, what, if anything, did you do
11 regarding that concern?

12 MR. AVENI: Objection.

13 A. Again, when I looked at the reading of the **EKG**,
14 that long list of things that were typed there.

15 Q. Yes.

16 A. None of them said abnormal superior axis or
17 abnormal superior factor, and that was what, the
18 red flag I was looking for. Without that red
19 flag, you know, I was -- without that red flag
20 and a physical exam that was not significant for
21 a loud murmur -- she had a very soft murmur.

22 Q. You did note a loud second heart sound?

23 A. Yes.

24 Q. And short diastolic murmur?

25 A. Yes.

- 1 . That's not significant?
- 2 . Well, I think one of the concerns about the, a
3 loud second heart sound is it's reflective of
4 pulmonary hypertension.
- 5 . Which would have been an indication of a defect?
- 6 . Could have been an indication of a defect.
- 7 . Well, didn't the EKG say -- I'm sorry. What did
8 it say, let's see. Pulmonary disease?
- 9 . Uh-huh.
- 10 . Is that something different than pulmonary
11 hypertension?
- 12 . Yes.
- 13 . What is pulmonary disease as opposed to pulmonary
14 hypertension?
- 15 . Pulmonary disease would be asthma, emphysema,
16 pneumonia.
- 17 . Could it be inclusive of pulmonary hypertension?
- 18 . It could be, but in a child you wouldn't expect
19 to see it without seeing, without a comment on
20 the axis.
- 21 . What is endocardial cushion defect?
- 22 . An AV canal.
- 23 . So that's just another term for it?
- 24 . Just another term.
- 25 . And a left axis deviation is what?

- 1 , Again, it has to do with the, that's a way that
2 you can calculate the direction of electric
3 impulses through the heart.
- 4 . Uh-huh.
- 5 . Okay.
- 6 . So what's a left axis deviation?
- 7 . If you calculate the electrical impulses going
8 through the heart, there is a little table that
9 you look at and you see what, which ones go up
10 and which ones go down. I can't do it without
11 the book.
- 12 . Did you do it when you got this EKG?
- 13 . NO.
- 14 . Is there a left axis deviation in the EKG that
15 you have in your record?
- 16 . In this EKG?
- 17 . Yes, ma'am.
- 18 . As it turns out, there, after I heard that she
19 was sick, I went back and looked again at the EKG
20 and calculated the axis, and there is an abnormal
21 superior axis on this EKG.
- 22 . What does that tell you?
- 23 . That's consistent with an AV canal.
- 24 . Why didn't you do that when you got the EKG,
25 doctor?

1 A. Well, because I read the reading and saw no sign
2 that the axis was abnormal.

3 Q. What should the cardiologist, then, or the person
4 or the machine or whoever did this have reported
5 on this EKG, then, to have alerted you as a
6 physician that there was an AV canal defect on
7 this EKG?

8 MR. AVENI: Objection.

9 MR. JACKSON: Objection. You may
10 answer.

11 Q. In your opinion.

12 A. I would have expected in that list of things for
13 there to say that the axis was significantly
14 abnormal.

15 Q. Which it is?

16 A. Which it is. And I would have expected it to
17 say, you know, abnormal superior axis or abnormal
18 superior factor. If it had not said that, if it
19 would have said axis is markedly abnormal, then I
20 would have gone back to see what the problem was
21 at the time.

22 Q. Do you have an opinion, doctor, at that point in
23 time that you received the EKG what, if anything,
24 could have been done surgically with respect to
25 correcting the defect?

1 MR. JACKSON: Objection.

2 MR. AVENI: Objection.

3 MR. JACKSON: You may answer if you
4 have an opinion.

5 I think that when you put it all together, with
6 the loud P2, that you already had pulmonary
7 hypertension at this point. And when you put it
8 together with her age, that she was already past,
9 past the point where she could have been
10 corrected.

11 The loud P2 being?

12 The second heart sound.

13 Okay.

14 Loud second heart sound.

15 Okay. And at what point would that have been, at
16 the time that the EKG was done?

17 MR. JACKSON: Excuse me. At what
18 point would have?

19 MR. KAMPINSKI: That she was not
20 surgically repairable.

21 MR. JACKSON: The question asked at
22 the point she saw the EKG?

23 MR. KAMPINSKI: Yes. But obviously
24 -- maybe it's not so obvious.

25 I assume that would be true in your opinion at

1 the time the EKG was done as well because that's
2 what the EKG reflected.

3 MR. JACKSON: I see your question.

4 No, I don't see what it is.

5 Well, you didn't get the EKG until sometime after
6 it was done?

7 . Yes.

8 . You said within two weeks

9 . Something like that, yes.

10 . But I assume the answer to the question I just
11 asked you, that is if she was surgically
12 repairable in your opinion, your answer is no,
13 and that would have been true at the time of the
14 EKG?

15 . Yes.

16 . Okay. Do you have an opinion as to whether or
17 not she would have been surgically repairable
18 during the first year of her life?

19 MR. JACKSON: Objection. You may
20 answer if you have an opinion.

21 . Most of these kids are repairable early in the
22 first year of life, although some are not, and I
23 don't know what her anatomy is.

24 . Okay. And the distinctions between repairable
25 and not repairable are what? What is there about

1 the anatomy of the child that makes one
2 repairable or not?

3 A. I couldn't tell.

4 Q. That would be surgical?

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1 since Dr. Zahka has come to town is that he, in
2 his mind the standard of care is every child with
3 Down syndrome sees a pediatric cardiologist
4 within the first couple of months of life, and he
5 used this as another argument for his, for that
6 feeling.

7 Q. Why is that, precisely because of a situation
8 like this?

9 A. Because he believes that's the only way to
10 guarantee that no child with a heart defect is
11 not diagnosed at a time when they can be fixed.

12 Q. So you are saying he brought the standard of care
13 with him when he came to town?

14 A. Yes, very much, very much.

15 Q. So that wasn't the standard of care before he
16 came?

17 A. No.

18 Q. When did he come?

19 A. He must have come -- I don't even remember. Like
20 a year ago.

21 Q. Uh-huh. What is his relationship to you, I mean
22 in terms of the department?

23 A. He's the division chief of pediatric cardiology.
24 I am a member in another division. I refer
25 patients to him, he refers patients to me. I

1 don't work for him, neither does he work for me.
2 Who was the division chief of cardiology before
3 him?

4 Before him, cardiology has been in somewhat of an
5 uproar, I think when I first got here it was Mark
6 Jacobstein, then I think they didn't have one or
7 maybe Uri Benchcar was acting. Then people were
8 sort of leaving and coming back, and I think
9 he -- I think the position was pretty much empty
10 for a while before he got here.

11 Doctor, are there other signposts or indicators
12 that would lead you to suspect, once again you
13 generically, a physician to suspect the existence
14 of congenital heart disease; any type of blood
15 test anything of that nature?

16 Could you be more specific?

17 Hematocrit, hemoglobin.

18 Hematocrit might or might not, the presence or
19 absence of cyanosis, if a child was actively
20 cyanotic, then you would think of either primary
21 heart or primary lung disease, presence or
22 absence of pulses.

23 Well, if you had a high hemoglobin and
24 hematocrit, would that have suggested some right
25 to left shunting and congenital heart disease?

1 A Kids who have right to left shunting ultimately
2 develop polycythemia, high hemoglobin and
3 hematocrit, whether you would be seeing it in, I
4 mean, it certainly wouldn't be the presenting
5 complaint.

6 Q No, no. I understand that.

7 A Yes.

8 Q But if you had a finding of high hematocrit and
9 high hemoglobin, would that be an indication to
10 you as a physician that there could be a
11 congenital heart defect?

12 A In general, the heart defect would have presented
13 before the, you know --

14 Q Well, if it's congenital, obviously it's going to
15 be there?

16 A No, but presented means --

17 Q Symptomologically?

18 A You would have found the heart defect before
19 things got to the point where they had
20 polycythemia, in general. But you are indeed
21 correct, that in patients with large right to
22 left shunting you can get polycythemia.

23 Q Did you have any communications with Mrs. Stevens
24 after you received the EKG?

25 A She and I played, I think, phone tag for quite a

1 while.

2 Q. Because those phone messages aren't in your
3 chart.

4 A. Right.

5 Q. Well, how long is quite a while?

6 A. I don't know. There were -- I don't know.

7 Q. Did she have an answering machine?

8 A. Did she?

9 Q. Yes.

10 A. I don't remember.

11 Q. Did you leave her any messages?

12 A. If I had reached an answering machine or a person
13 I would have left a message.

14 Q. When did you finally speak to her?

15 A. I don't remember.

16 Q. Did you have anything in your chart that would
17 reflect when you spoke to her?

18 A. No.

19 Q. What did you tell her when you got ahold of her?

20 A. That the EKG looked okay.

21 Q. You didn't tell her you weren't good at reading
22 **EKGs** and you were going to send them to
23 cardiology?

24 MR. JACKSON: Objection. You don't
25 have to answer that. That's argumentative.

1 Right.

2 Well, did you tell her that?

3 MR. JACKSON: Tell her what?

4 You were not good at reading EKGs and you were
5 going to send them to the cardiology department,
6 did you or didn't you?

7 MR. JACKSON: Go ahead YOU can
8 answer.

9 I said that before I had reviewed, that's what I
10 told her early on before I got an EKG that had a
11 reading on it. When this one came back --

12 So this --

13 That doesn't reflect when this EKG came back with
14 a reading.

15 So you would have told her that when?

16 Right after we got the EKG before I saw it.

17 Now you have me totally confused, doctor. You
18 saw Kaitlin Stevens on July 19th with her
19 mother.

20 Yes.

21 Did you tell her anything about your ability to
22 read EKGs on that visit?

23 I don't think so. I don't know

24 Okay. When you received the EKG, are you saying
25 you received it without some interpretation of it

1 initially?

2 . What I'm saying is it takes things a long time to
3 get through University Hospitals mail, and when I
4 talked to Mrs. Stevens and had not yet seen the
5 **EKG**, but believed that it was in the mail to me
6 someplace.

7 . Uh-huh.

8 . That's what I told her.

9 . Okay. What did you tell her?

10 . That I might have to have cardiology look at it.

11 . And the reason?

12 . That I wasn't a great **EKG** reader.

13 . Okay. So that when you got this **EKG**, you didn't
14 do that because you were satisfied with the
15 interpretation on it?

16 . Yes.

17 . Why were you ordering an **EKG** at 15 months of age
18 if, in fact, it would be too late to find such a
19 defect -- I'm sorry, to treat such a defect?

20 . I hoped to reassure all of us that it wasn't
21 there, that there was nothing the matter. If we
22 did find it, it was always possible that it could
23 be treated, unlikely, but possible. And,
24 otherwise, there were other kinds of things that
25 you needed to be, you know, thinking about, if

1 indeed she had this, like taking antibiotics
2 before she had her teeth worked on is an
3 example. But I think that the real, sort of
4 bottom line reason, was because I hoped to close
5 that question in people's minds forever.
6 . Would it be within the standard of care of a
7 pediatrician dealing with a Down syndrome child
8 to refer the child to a pediatric cardiologist in
9 1989?

10 MR. JACKSON: Objection.

11 . If you know.

12 MR. JACKSON: What were the
13 circumstances?

14 . Yes.

15 . Just a Down syndrome child.

16 In 1989 it was not the standard practice.

17 . How do you know?

18 . Because I remember what I was told in those days.

19 . In 1989 you were here?

20 . Yes. Dr. Zahka wasn't here yet.

21 . But -- oh, I see what you are saying. So nobody
22 in this town referred children to pediatric
23 cardiologists when they had Down syndrome
24 children despite knowing that 30 to 50 percent of
25 them had congenital heart defects?

1 I'm not saying that nobody did. I'm sorry.

2 MR. JACKSON: That's all right.

3 That was going to be my objection. You
4 answered his question.

5 . Well, wait. You know, doctor, the information in
6 the medical community that 30 to 50 percent of
7 these children have heart defects is not
8 something new, is it?

9 . Actually it's been, even the epidemiology of
10 people, among persons with Down syndrome we have
11 learned a lot more about over the, you know, last
12 few years.

13 . My question, though, was a very specific one, and
14 that is whether or not it was common medical
15 knowledge or should be common medical knowledge
16 that by **1989** that 30 to **50** percent, according to
17 you --

18 . Yes.

19 . -- had heart defects?

20 . Probably it was common knowledge that they had an
21 increased incidence of heart defects.

22 . Okay. And knowing that --

23 . Yes.

24 . -- then isn't the standard of care to check to
25 determine if a Down syndrome child has a heart

1 defect?

2 MR. JACKSON: Objection. She
3 answered that question already.

4 MR. KAMPINSKI: I don't think so.

5 MR. JACKSON: You can go ahead.

6 A If you didn't hear a murmur, it was not at that
7 point the standard of care to send the child on.
8 Actually --

9 Q Well, when was it determined by the medical field
10 that you could have this problem without murmurs;
11 since 1989, is that your testimony?

12 A No. It was discovered before.

13 Q Oh. When?

14 A I have no idea.

15 Q 1970s?

16 A I have no idea.

17 Q '60s?

18 MR. JACKSON: You don't have to
19 answer that, keep answering it.

20 MR. KAMPINSKI: I'm trying to put it
21 in a framework.

22 Q. Are we talking about in the last two years, ten
23 years, 20 years?

24 MR. JACKSON: I think she said she
25 couldn't answer your question.

1 Well, if the medical literature prior to 1989 did
2 indicate that you could have this defect without
3 murmur, then that would be something that
4 physicians ought to know about dealing with a
5 Down syndrome child, would you agree with that,
6 doctor?

7 I don't know how much it was in the literature.
8 I know that at that point referral to a pediatric
9 cardiologist for all children with Down syndrome
10 was not recommended.

11 Okay. And you don't know what the standard of
12 care would be as to doing the EKG at that time by
13 a pediatrician, correct?

14 By a pediatrician in general practice, yes.

15 All right. Would you agree with me that a
16 pediatric or a pediatrician in general practice
17 is required to make appropriate referrals of
18 children having Down syndrome if he doesn't feel
19 comfortable or know the literature or have the
20 sufficient knowledge to determine what tests to
21 do?

22 MR. JACKSON: Objection. You may
23 answer,

24 Would you agree with that?

25 Every physician should refer if they need to.

1 Q. Are you familiar with Down syndrome preventative
2 medicine checklist?

3 A. Yes.

4 Q. What is that, doctor?

5 A. It's a checklist that comes out about every --
6 it's actually, a lot of it is sort of written
7 paragraph form, it comes out every couple of
8 years, with recommendations for the, you know,
9 for screening on persons with Down syndrome. I
10 was involved in writing the most recent one just
11 in press.

12 Q. now -- you say it's still in press?

13 A. Yes. It hasn't come out yet, the '91 one.

14 Q. Okay.

15 A. Along with a, there is a whole group of us that
16 did.

17 Q. When was the one before that?

18 A. '89.

19 Q. And before that?

20 A. '87.

21 Q. Were you involved in the '89 one?

22 A. No.

23 Q. How about the '87 one?

24 A. No.

25 Q. And did that indicate that **EKGs** or

1 echocardiograms should be taken very early on
2 with Down syndrome children?

3 MR. JACKSON: Objection. If you
4 have a form, show it to her.

5 MR. KAMPINSKI: I'm just asking her
6 a question, Mr. Jackson.

7 MR. JACKSON: Go ahead. If you
8 know, without looking at it.

9 Without looking at it, I believe that in '87 an
10 exam and an EKG were suggested. I believe,
11 though -- unfortunately, you have it, I believe,
12 and I believe in '89 it was an EKG and an echo,
13 but I wouldn't, you know, that's just my
14 recollection.

15 I think it's important to know that one of
16 the things we have really been trying to do is to
17 make those recommendations more based on
18 scientific evidence so that more people will pay
19 attention to them.

20 Who puts out these?

21 It's the National Down syndrome Congress. Either
22 that's it or the National Down syndrome
23 Association. I can't remember. It's one of
24 those two.

25 What is the course of a Down syndrome child with

1 untreated AV canal defect? I mean, what symptoms
2 do they have, what limitations in their
3 activities would they experience?

4 Basically, they'll have, they may have shortness
5 of breath, decreased exercise tolerance.

6 And this is as opposed to children who have
7 treated, who have been surgically treated,
8 correct?

9 Well, you know, it's hard to say. Assuming that
10 the child survives the surgery and doesn't have
11 any other major complications secondary to the
12 surgery, as far as we know, the kids who have
13 been corrected don't have these problems, the
14 children --

15 Okay.

16 Now, the, *you* know, in the long run, of course,
17 as with most kinds of congenital heart disease
18 with people with or without Down syndrome we
19 don't know what is going to happen, we are only
20 now starting to find out what happens to them as
21 adults.

22 What typically would be the onset of the
23 symptomatology?

24 For?

25 For untreated AV defect.

1 I would expect decreased exercise tolerance and
2 shortness of breath.

3 And what age would you expect that to occur?

4 I imagine it can vary.

5 Is it your opinion that Kaitlin will have a
6 decreased life expectancy as a result of the
7 untreated AV disease?

8 Persons with Down syndrome who have an untreated
9 AV canal often have a decreased life expectancy.
10 And will you expect that she'll suffer symptoms
11 that go along with that?

12 I'll expect that she will have some
13 symptomatology going along with that, yes.

14 Such as shortness of breath?

15 Possibly, or decreased exercise tolerance.

16 Okay. Anything else?

17 Same people have involvement of other organ
18 systems, and I don't know, you know, at what, to
19 what degree or extent that might happen to her.

20 Do you know why that happens?

21 I believe it has to do with the polycythemia, the
22 decreased oxygen tension in the blood.

23 That's all due to the defect, then?

24 Well, it's due to the shunting, yes.

25 Well, the shunting is due to the defect,

1 correct?

. Right.

3 . What is a **PDA**?

4 . It's a patent ductus arteriosus. It is a
5 connection which goes from the pulmonary artery
6 to the aorta thereby bypassing the lungs and
7 alveoli, and it closes at birth, it should close
8 at birth. If it doesn't close at birth, then
9 it's called a patent ductus arteriosus.

10 . Did Kaitlin have that?

11 . Not to my knowledge.

12 . Have you reviewed any of her records at the
13 hospital prior to today?

14 . Uh-uh, no,

15 . Did you tell the parents that Kaitlin did or did
16 not have a heart murmur? This would have been on
17 your initial visit.

18 . She had a very soft heart murmur.

19 . Did you tell the mother that or did you tell her
20 that she did not have one?

21 . If I hear a murmur, I will always tell people
22 that there is a murmur there.

23 . How is it that Dr. Zahka became involved with
24 Kaitlin, or did he?

25 . I don't know. I mean, I don't know how he became

1 involved.

2 Q. Would the standard of care for a physician such
3 as yourself in 1990, when you saw Kaitlin when
4 you heard -- I'm sorry, how did you refer to it,
5 soft murmur?

6 A. Uh-huh.

7 Q. -- have been to do an echocardiogram?

8 A. It would have been to get an EKG.

9 Q. Not to do an echocardiogram?

10 A. NO.

11 Q. You said that Dr. Zahka said that the parents
12 were upset as were you?

13 A. Uh-huh.

14 Q. You were upset, why?

15 A. Oh, because it's always upsetting to hear that a
16 kid has something awful the matter with them.

17 MR. KAMPINSKI: That's all I have.

18 A. Oh, no, it's not all I have. I do -- if you
19 are agreeable to this, I would like the
20 court reporter to take possession of the
21 doctor's original record, make a copy, and
22 attach it to the deposition.

23 MR. JACKSON: We will make a copy
24 before we leave today. You can be here and
25 supervise it.

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MR. KAMPINSKI: Okay.

MR. AVENI: No questions.

MR. KAMPINSKI: Okay.

JOANNE C. MORTIMER, 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. Fade, 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 JOANNE C. MORTIMER, M.D., was by me, before the giving of her 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, th s _____ day of _____, A.D. 19 _____.

Dawn M. Fade, Notary Public, State of Ohio 1750
Midland Building, Cleveland, Ohio 44115
My commission expires October 20, 1992

CHARLES KAMPINSKI CO., L.P.A.

ATTORNEYS AT LAW

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July 24, 1991

Dr. Joanne Mortimer
Rainbow Babies and Childrens's Hospital
2074 Abington Road
Cleveland, Ohio 44106

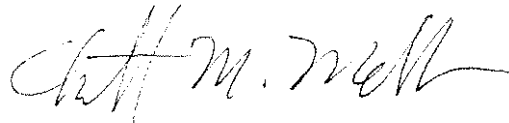
RE: Kaitlin Stevens
Our File No. 4-472

Dear Dr. Mortimer:

Please be advised that I represent Kaitlin Stevens. Enclosed please find a medical authorization allowing the release of her medical records to me signed by her father Douglas Stevens. Please forward any and all medical records to me at this time.

Thank you for your anticipated cooperation.

Very truly yours,



Christopher M. Mellino

CMM: vjb
Enclosure

7-20-91
Date

I, the undersigned, authorize any physician or nurse who has attended me, or any hospital at which I have been confined, to furnish to CHARLES KAMPINSKI CO., L.P.A., any and all information which may be requested regarding my physical condition and treatment rendered therefor and, if necessary, to allow them or any physician appointed by them to examine any x-ray pictures taken of me or records regarding my physical condition or treatment.

Victoria Butler
WITNESS

Charles W. Williams
SIGNATURE

Intake Form

PATIENT NAME Kaitlin Stevens BIRTHDATE 3/31/89

ADDRESS 4435 Royalton Rd H. Tel # (216) 237-8244

PARENTS NAME No. Royalton, Oh 44133 W. Tel # _____

Kimberly - Douglas

Referred by: Friend / Christopher Euse's Phone _____
mother

Address: _____

Reason for Referral Down Syndrome

Medical Problems _____

Medications _____

Parental Concerns _____

School _____

Other Professionals Involved Dr. Sundman

Medical Records at _____ Chart # _____

Galbreith Co. _____ Chart # _____

Insurance Equicor / Douglas Stevens SS# 286-44-7929

BCMH? _____ Medicaid/BCMH # _____

Appt. Scheduled 07/17/10 Time 1:30

PATIENT REGISTRATION

RAINBOW AMBULATORY PRACTICE
Pediatric Associates
Rainbow Babies & Childrens Hospital
 2101 Adelbert Road
 Cleveland, Ohio 44106

Office Use Only:

APPOINTMENT DATE AND TIME <i>08/19/90 - 1:30</i>	
HOSPITAL NUMBER <i>1483-545</i>	DATE FORM COMPLETED / MAILED
PHYSICIAN <i>Joanne Mortimer</i>	CLINIC / TEAM <i>Down Syn Ctr</i>

LAST NAME (PLEASE PRINT) <i>Stevens</i>		FIRST NAME <i>Kaitlin</i>	MIDDLE INITIAL
STREET ADDRESS <i>4435 Royalton Rd</i>		HOME PHONE (AREA CODE AND NUMBER)	
CITY <i>No. Royalton</i>		STATE <i>Oh</i>	ZIP CODE <i>44133</i>
		SEX <i>F</i>	RACE
		BIRTH DATE <i>3/31/89</i>	
CITY		STATE	ZIP CODE
		Was the patient born at or ever admitted to University Hospitals? <input type="checkbox"/> Yes Under what name (X-Ray, Lab etc.) (if different from above) <i>Kimberly</i> <input type="checkbox"/> No	

Responsible Party Information:

<input checked="" type="checkbox"/> MR.	LAST NAME <i>ve</i>	FIRST NAME <i>Douglas</i>	MIDDLE INITIAL	LEGAL GUARDIAN'S NAME (if Different)
<input type="checkbox"/> MDC				
<input type="checkbox"/> MS.				
STREET ADDRESS		CITY	STATE	ZIP CODE
		<i>286-44-7929</i>		<i>Father</i>
NAME OF EMPLOYER (COMPANY NAME) <i>airbreith Co</i>		OCCUPATION	BUSINESS PHONE (AREA CODE & NO.)	
		RELATIONSHIP TO PATIENT		
ADDRESS, IF DIFFERENT FROM RESPONSIBLE PARTY			HOME PHONE (AREA CODE & NO.)	

PRIMARY

POLICY HOLDERS NAME <i>Douglas Stevens</i>		CASE NAME	
NAME OF INSURANCE COMPANY <i>Equicor</i>		CASE NUMBER	RECIPIENT NUMBER (e.g., 02, 03, 04)
POLICY GROUP NUMBER AND / OR SS# <i>286-44-7929</i>	EFFECTIVE DATE	COUNTY	

SECONDARY

POLICY HOLDER'S NAME		CASE NAME	
NAME OF INSURANCE COMPANY		CASE NUMBER	RECIPIENT NUMBER (e.g., 02, 03, 04)
POLICY GROUP NUMBER AND / OR SS#	EFFECTIVE DATE	COUNTY	

GENERAL RELIEF

ETC.

POLICY HOLDERS NAME		CASE NAME	
NAME OF INSURANCE COMPANY		CASE NUMBER	RECIPIENT NUMBER (e.g., 02, 03, 04)
POLICY GROUP NUMBER AND / OR SS#	EFFECTIVE DATE	COUNTY	



University Hospitals
of Cleveland

07/05/90

KAITLIN STEVENS
4435 ROYALTON RD.
N. ROYALTON, OH
44133

DEAR KAITLIN STEVENS,

ACCORDING TO OUR RECORDS, YOU HAVE AN APPOINTMENT SCHEDULED
WITH JOANNE C MORTIMER, MD ON THURSDAY , 7/19/90 AT
01:15 PM . IF YOU CANNOT KEEP THIS APPOINTMENT, PLEASE CALL
(216) 844-1517 TO RESCHEDULE.

PLEASE DISREGARD THIS REMINDER IF OTHER ARRANGEMENTS HAVE BEEN
MADE. THANK YOU.

UNIVERSITY HOSPITALS OF CLEVELAND
BIRTH DEF PE
3619 PARK EAST DRIVE
BEACHWOOD, OHIO
44122

RAINBOW AMBULATORY PRACTICE
RAINBOW BABIES AND CHILDRENS HOSPITAL
CLEVELAND, OHIO

Patient Notes

KAITLIN STEVENS

3/31/99

1483-545

7/19/99

I.D. CARD IMPRINT

2 half yrs 16.14

dad 40

mom 32

G2P2

born 7#2oz a fetus ↑
had a bump exposed at 5 hrs

gone wt gain → FT - a virus
fed 9 2 h, slept 10 hr night

o heart, stomach problems
5 hrs UTD

Plugging at MDD
cuts

Down in Down

Saw Dr. Urry → HI-wt
3-4 m old

→ Heavy fat 2 hrs RBC

starting to stand

- hip @ 300 mm (L)
- T @ 2 + 5/11 1-2/6 (R)
- o HI bones
- pale pinked
- ? gang

Schedule 2 kg.

DOWN SYNDROME CLINIC

PATIENT:

KAITLIN STEVENS

DATE OF VISIT:

7/19/90

Kaitlin is a 15 month old white female with Down's Syndrome. She was born at Booth Hospital weighing 7 lbs. 2 ozs. to a gravida 11, para 2. She has a brother named Derrick and two half-siblings who are aged 16 and 14. According to her mother, there was an increased alpha-fetoprotein on testing during the pregnancy. She also had a twin who expired at 5 weeks gestation.

Initially, she had poor weight gain and failure to thrive. Her mother was feeding her every two hours and she was sleeping through the night. She was seen by Dr. Owens and the failure to thrive gradually resolved. She has no heart or GI problems. Her shots are up-to-date. She is currently in a play group at MRDD. From a developmental standpoint, she is doing well for a child with Down's Syndrome of her age. She sat without support at 9½ months. She is feeding herself with her fingers since the age of 1 and she transfers from hand-to-hand. She does not yet creep or crawl.

She is to have her hearing tested in two weeks at R&C.

On physical exam, her height is 70 cm., which is at the 25th percentile for age for a child with Down's Syndrome and her weight is approximately 7 kg. which is between the 10th and the 25th percentile for a child with Down's Syndrome of her age. She has a loud P₂ with a soft grade 1/11 systolic murmur. She has no hepatosplenomegaly. Her skin does appear pale and mottled with a slight grayish tinge. Her lungs are clear. She has what feels like ligamentous popping "popping" on the left but no evidence during my exam of dislocated hip.

Assessment: Kaitlin appears to be doing well. She does need to have her thyroid checked yearly (it was last checked by Dr. Owens when she was about 3-4 months of age). She also needs to have her hearing followed on a yearly basis but this also has been scheduled. I would also suggest that a baseline EKG be obtained and I have asked Mrs. Stevens to contact my office to try to arrange this at the same time as her hearing screen.

Joanne C. Mortimer, M.D.

cc: Dr. H. Sundaresh .

Transcribed 8/10/90

7/25/90
for [unclear]

Name: *W. M. M. M.*
Age: *56*
Sex: *M*
Race:
Room:

STEVENS, KATHA
Ht: *5'6"*
filed: *012565-8*

012 560 515-8 08:28 BOOTH MEMORIAL HOSPITAL

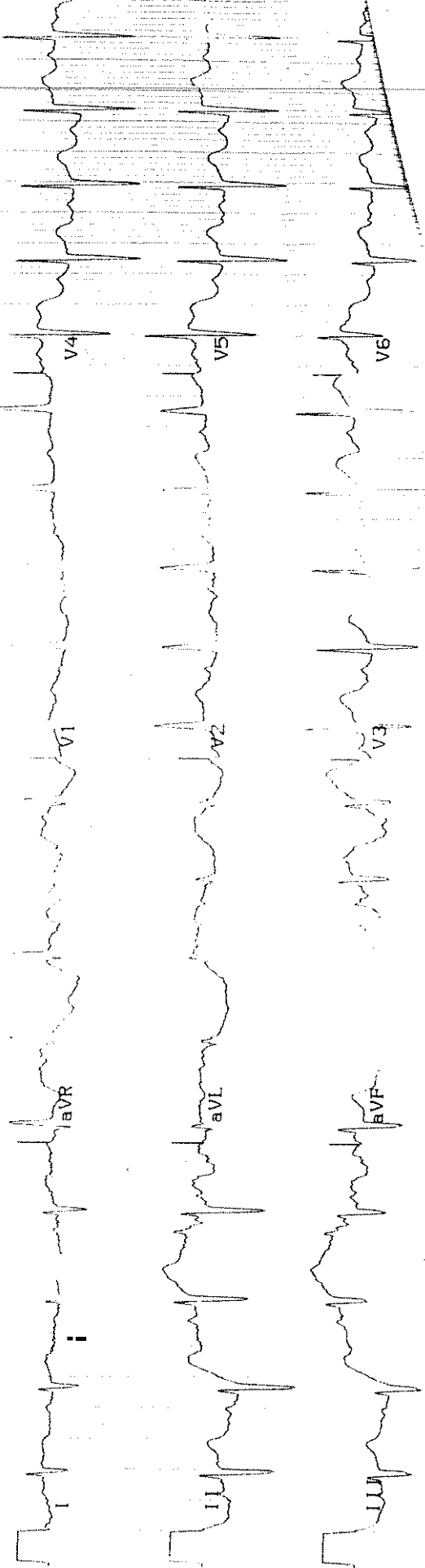
25mm/s
5mm/mV
40HZ
Pgm 105C /104

Vent. rate: 115 BPM
PR interval: 32 ms
QRS duration: 84 ms
QT/QTc: 292/403 ms
P-R-T axes: 54 250 74

*** POOR DATA QUALITY. INTERPRETATION MAY BE ADVERSELY AFFECTED
SINUS TACHYCARDIA
PULMONARY DISEASE PATTERN
RIGHT VENTRICULAR HYPERTROPHY
ST ELEVATION, PROBABLY DUE TO HYPERTENSIVE HEART DISEASE
NONSPECIFIC ST ABNORMAL I
ABNORMAL ECG

Nav S. R. O. Oca

Reviewed by: *S. S. S. S.*
Ref. Prod by:



28

UNIVERSITY HOSPITALS OF CLEVELAND

Rainbow Babies and Childrens Hospital
Pediatric Audiology

CLINICAL SUMMARY

Inpatient Outpatient

STEVENS, Kaitlin 1483-545

DOB: 3/31/83 7/30/90



Cynthia Joseph, M.A., CCC-A
Audiologist

CJ:rah

cc: Joanne Mortimer, M.D.
Dr. H. Sundarash
Cuy Cty Board of Mental Retardation
Attn: Bonnie Miller
Hospital Chart

28

UNIVERSITY HOSPITALS OF CLEVELAND

Rainbow Babies and Childrens Hospital
Pediatric Audiology

CLINICAL SUMMARY

Inpatient Outpatient

STEVENS, Kaitlin 1483-545

DOB: 3/31/89 7/30/90

HISTORY

Kaitlin Stevens was referred for children's audiological evaluation by Joanne Mortimer, M.D. Today's tests were ordered to rule out hearing loss secondary to Down's Syndrome. Kaitlin was accompanied today by her mother who reports a personal impression of uncertainty regarding her hearing sensitivity, in that auditory responses are inconsistent. There is a history of otitis media which has been treated with antibiotics. Presently, Kaitlin is enrolled in a play group through the Cuyahoga County Board of Mental Retardation.

RESULTS

Visual reinforcement audiometry procedures were implemented with good test reliability. Minimal response levels **were** obtained to warble **tone** and narrow band noise stimuli presented in the sound field, under headphones, and via bone conduction at age appropriate **levels**. Specifically, responses ranged from 20-35 dB HL for 250-4000 Hz, with **no** evidence of conductive overlay. Speech awareness thresholds were also obtained at normal levels of 15 and 5 dB HL for the right and left ears respectively, and 10 dB HL when stimulating in the sound field.

Objective immittance testing revealed normal Type A tympanograms bilaterally in conjunction with normal **middle** ear pressure and tympanic membrane compliance. Acoustic stapedial reflexes **were** present at normal screening **levels** of 90 dB SPL for both ears under ipsilateral stimulation for all frequencies tested.

IMPRESSION

Normal peripheral hearing sensitivity with normal middle ear function bilaterally.

RECOMMENDATIONS

These findings **were** fully discussed with **the** mother, and the following recommendation was made: Return for children's audiological reevaluation in six months to monitor (reminder postcard filed).

IMPORTANT MESSAGE

FOR Joanne

DATE 10/22/90 TIME _____ A.M.
P.M.

M Kim Stevens

OF _____

PHONE 237-8244
AREA CODE NUMBER EXTENSION

TELEPHONED		PLEASE CAU	
CAME TO SEE YOU		WILL CALL AGAIN	
WANTS TO SEE YOU		RUSH	
RETURNED YOUR CAU		SPECIAL ATTENTION	

MESSAGE re: Kathleen

Stevens

7/19/90 saw you

you suggested an EKG

she had the results

sent to you. Still

SIGNED waiting for your call

LITHO IN U.S.A. regarding the results.

TOPS FORM 3002P also charges of 175.00 her

was paid part about $\frac{1}{2}$.
She feels that 175.00
for less than $\frac{1}{2}$ he
was too steep. Is there
something that you can
do. **a**

You should have her
chart with EKG attached
to it.

4



August 10, 1990

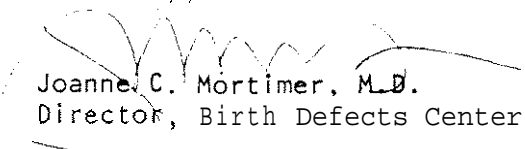
Dr. Hurikadale Sundaresh
1863 Torbenson Dr.
Cleveland, OH 44112

Dear Dr. Sundaresh:

I saw your patient, Kaitlin Stevens, in Down's Syndrome Clinic on July 19, 1990. I am enclosing a copy of my clinic notes for your records. I would suggest to you that we check the thyroid function and a CBC at some point within the next few month's. I am pleased that she is getting her hearing checked. I would strongly suggest that we do an EKG on her for baseline purposes.

Thank you very much for allowing me to see this patient.

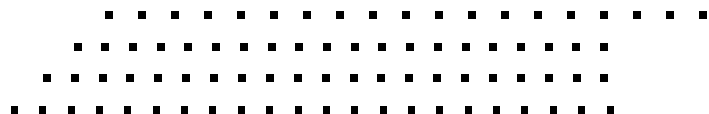
Sincerely,



Joanne C. Mortimer, M.D.
Director, Birth Defects Center

JM/ajp

enclosure



28A

UNIVERSITY HOSPITALS OF CLEVELAND
Rainbow Babies and Childrens Hospital
Pediatric Audiology

1483545
DOB 3/31/89

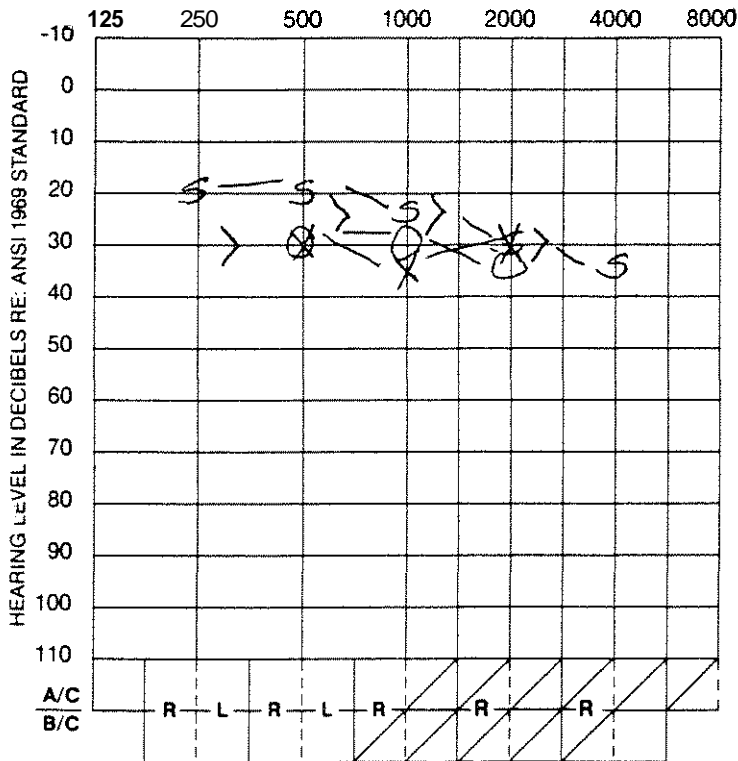
AUDIOLOGIC RECORD

Inpatient Outpatient

NAME Kaitlin STEVENS

DATE 7/30/90 EXAMINER Joseph

AUDIOGRAM
FREQUENCY IN Hz



KEY

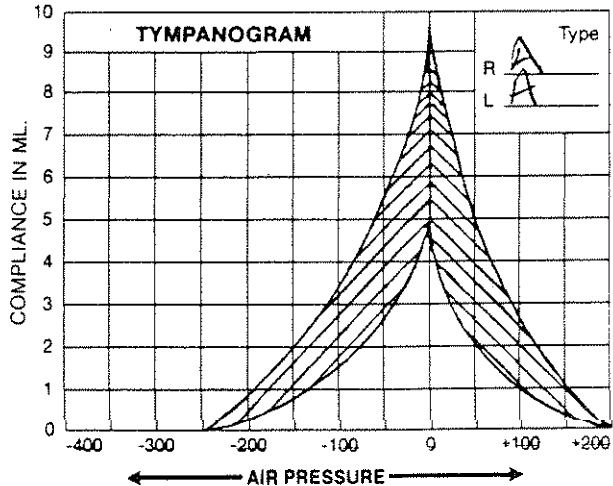
Reliability: GOOD
Audiometer: GSI 10
Technique: VRA
PB Test: _____

ABBREVIATIONS

- AC - Air Conduction
- BC - Bone Conduction
- CNT - Could Not Test
- DNT - Did Not Test
- EM - Effective Masking re: 0 dB HL
- FA - Fletcher Average
- HL - Hearing Level
- MLV - Monitored Live Voice
- NL - Normal
- NR - No Response
- PB% - Discrimination Score
- PTA - Pure Tone Average
- SAT - Speech Awareness Threshold
- SF - Sound Field Presentation
- SL - Sensation Level
- SPL - Sound Pressure Level
- SRT - Speech Reception Threshold
- VIB - Vibrotactile Response

MODALITY		LEFT	RIGHT
AIR CONDUCTION	UNMASKED	X	O
	MASKED	□	△
BONE CONDUCTION	UNMASKED	▽	◇
	MASKED	◊	◊
AIR CONDUCTION SOUND FIELD		\$	

IMMITTANCE PROCEDURES



SPEECH AUDIOMETRY

TAPE <input type="checkbox"/>	MLV <input checked="" type="checkbox"/>	PTA	SRT	SAT	dB	PB%	dB	PB%
				15	/	/	/	/
		opposite ear masking						
		L		5	/	/	/	/
		opposite ear masking						
		sound field		10	/	/	/	/

ACOUSTIC REFLEX TESTS

Stimulus	RIGHT			LEFT	
	L	R		L	R
Probe		90	500 Hz	90	
		↓	1000 Hz	↓	
		↓	2000 Hz	↓	
		↓	4000 Hz		
DECAY +/-					DECAY +/-

REMARKS _____

SUMMARY: _____

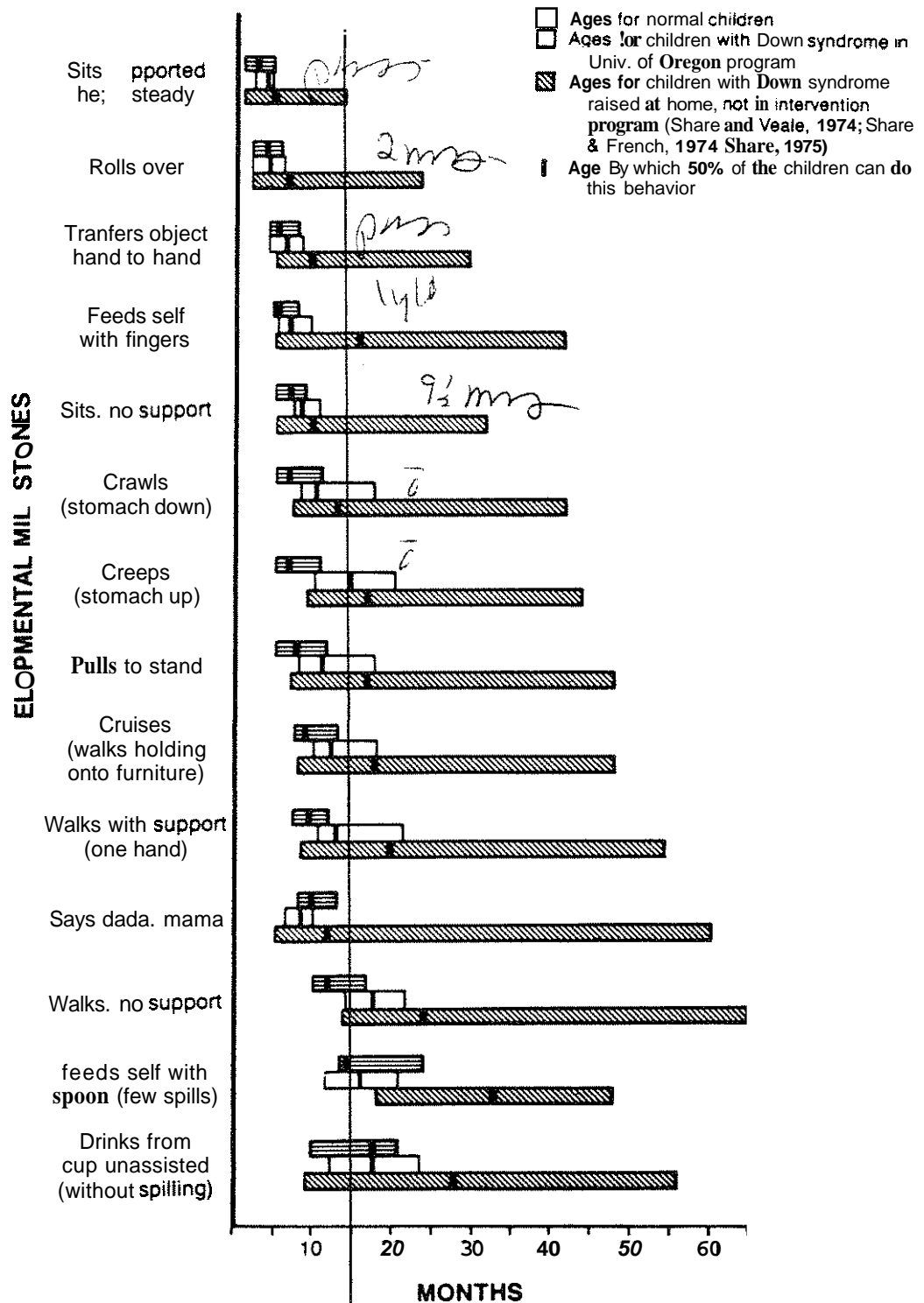
DIFFERENTIAL IMMITTANCE MEASURES

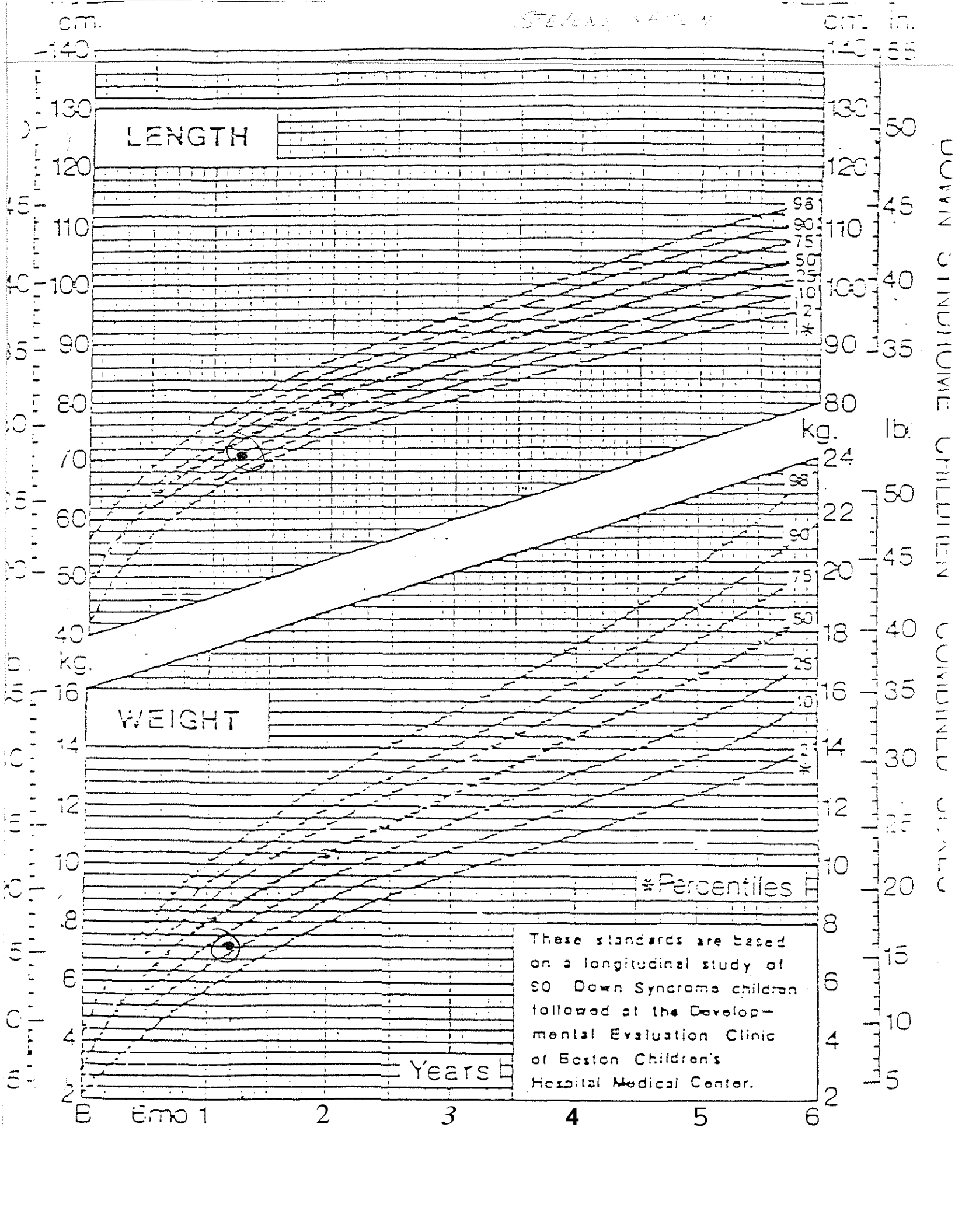
Probe Ear	R	L
Peak Pressure in da Pa	-10	-75
Static Compliance in ml (NL: .30 to 1.75)	.3	.3
Equivalent Canal Vol in ml	.3	.3

SP-1810000

AUDIOLOGY AND SPEECH-LANGUAGE PATHOLOGY

Figure 3. Developmental Milestones





LENGTH

WEIGHT

50th Percentiles

These standards are based on a longitudinal study of 50 Down Syndrome children followed at the Developmental Evaluation Clinic of Boston Children's Hospital Medical Center.

Years

DOWN SYNDROME CHILDREN COMBINED SEXES