

SCANNED

1 STATE OF OHIO)
2) SS.
3 COUNTY OF MONTGOMERY)
4

5 COURT OF COMMON PLEAS
6

7 EDNA CLARK, etc., :
8

9 Plaintiffs, :
10

11 vs. : Case No. 878-2602
12 Judge Meagher :
13

14 SOUTHVIEW HEALTH AND :
15 FAMILY CENTER, ET AL., :
16

17 Defendants. :
18

19 - - -
20 Deposition of BRUCE D. JANIAK, M.D., a

21 Witness herein, called by the plaintiffs as if
22 upon Cross Examination under the Ohio Rules of
23 Civil Procedure, taken before me, the
undersigned, Megan Gallagher, a Notary
Public in and for the State of Ohio, taken
pursuant to Notice and stipulations of Counsel as
hereinafter set forth, at The Toledo Hospital
Emergency Center, 2142 North Cove Boulevard,
Toledo, Ohio, on Friday, June 2, 1989, commencing
at 11:10 a.m.

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25

GAINES REPORTING SERVICE, INC.

317 SUPERIOR ST. TOLEDO, OHIO 43604-1472

(419) 243-4251

1 **APPEARANCES:**

2 1 On behalf of the Plaintiffs:

3 ROBER G. TURRELL & ASSOCIATES
4 Valerie Stocklin
5 425 Hulman Building
6 120 West Second Street
7 Dayton, OH 45402

8 On behalf of the Defendant Southview:

9 MILLER, FINNEY & CLARK
10 Jerome G. Menz
11 P.O. Box 610
12 Xenia, OH 45385

13 On behalf of remaining Defendants:

14 JENKS, SURDYK & COWDREY, L.P.A.
15 Susan Blasik-Miller
16 205 East First Street
17 Dayton, OH 45402

18 - - -

19 MS. STOCKLIN: Dr. Janiak, we've met;
20 my name is Valerie Stocklin and I
21 represent the family of Kimberly Sierra
22 Sparks in this case.

23 We're here pursuant to the
24 Ohio Rules of Civil Procedure through
25 agreement of counsel, as well as
26 Notice to you. Could you swear the
27 witness, please.

28 - - -

BRUCE D. JANIAC, M.D.,

a Witness herein, being first duly sworn, was
deposed and testified as follows:

CROSS EXAMINATION

BY MS. STOCKLIN:

Q. Doctor, would you please state your full
name and address?

A. Bruce David Janiak; would you like my home
or professional address?

Q. Give me both.

A. Home is 30267 Hickory Hill Drive,
Perrysburg, Ohio 43551; and the hospital is 2142
North Cove, C-o-v-e-, Boulevard, Toledo, 43606.

Q. And your age, Doctor?

A. Forty-six.

Q. I was handed just previous to beginning
here at copy of your curriculum vitae which may
speed things up a little bit as far as background.

It indicates here that in addition to a
rotating internship at Cincinnati General Hospital
you also had a residency in emergency medicine; is
that correct?

A. That's right.

1 Q. And that was two years?

2 A. Yes.

3 Q. Have you taken residencies in any other
4 specialties?

5 A. I have not.

6 Q. After that residency then you went into
7 some military with the Navy?

8 A. Correct.

9 Q. And it appears that you have been here as
10 director of the emergency hospital at Toledo
11 Hospital ever since?

12 A. Since --

13 Q. Since your release from the Navy?

14 A. That's right.

15 Q. Doctor, are you a member of a group of
16 emergency practitioners?

17 A. That's correct.

18 Q. Looking at the last page of --

19 MS. STOCKLIN: Well, why don't we stop
20 and mark this and attach it.

21 (Plaintiff's Exhibit A was marked by
22 the Notary.)

23 Q. Doctor, for identification purposes this

1 curriculum vitae which I've been provided has been
2 marked as Plaintiff's Exhibit A at this
3 deposition.

4 Would you identify that for me, please, and
5 tell me if it's your present current curriculum
6 vitae?

7 A. Right, it is the present one with only one
8 minor addition.

9 Q. Why don't you tell me about the addition?

10 A. The child whose picture you see behind you
on the wall.

Okay; so it's an addition regarding your
13 personal life?

14 A. That's right.

15 Q. Looking at the last page of your curriculum
16 vitae, Doctor, it appears to be several
17 affiliations; partner in Emergency Management
18 Consultants, president of Professional Emergency
19 Services, Inc. and president of EMB
20 Professionals, Inc.

21 A. Correct.

22 Q. Would you explain all that for me, what
23 those groups are?

1 A. Well, the first one, partner in Emergency
2 Management Consultants was a consulting firm that
3 actually has been dissolved. As you can see, it
4 says 1988 at the time. It was a -- my partner in
5 that was Michael Irvin who is director of the
6 Miami Valley Hospital in Dayton and he and I had
7 done consultations for hospitals with regard to
8 their emergency services, and both of us have
9 gotten too busy and so we dissolved that activity.

10 Q. Sure.

11 Professional Emergency Services is the
12 professional corporation that has the contract to
13 provide services in the emergency department at
14 The Toledo Hospital and I am president of that
15 group.

16 Q. And that is current?

17 A. That is current. President of EMB, which
18 is Emergency Medicine Billing, EMB Professionals
19 is also current; that is a billing company which
20 is headquartered in the Dayton, Ohio area.

21 Q. And are you one of the owners of that
22 company?

23 A. yes, I am.

1 Q. Does that company do billing for emergency
2 ~~services~~ all over the state?

3 A. Yes; we have **severai** contracts. There are
4 some areas of the State where we
5 activity, but we do mainly in the Toledo and
Dayton area.

How many owners are there?

8 A. Three.

9 Q. Are any of the owners Dayton people?

10 A. Yes; two of them.

Who are they?

Michael Irvin owns part of it and Marty

12 Gillespie owns part of it.

13 Q. Is Marty Gillespie a physician?

14 A. No; she is the manager.

15 Q. How many shareholders or owners are there
16 in Professional Emergency Services, Inc.?

17 A. One; I'm the sole owner.

18 Q. All right; and is that the sole corporation
19 that services this hospital as far as emergency
20 service with physicians?

21 A. That's right.

22 Q. How many physicians do you employ, Doctor?
23

1 A. Six full-time emergency physicians and a
2 variable number of part-time pediatricians.

3 Currently it's about 13 or 14.

4 Q. Six full-time emergency physicians plus
5 some pediatricians?

6 A. That's correct.

7 Q. Are you the one, Doctor, who determines the
8 requirements for the emergency room services that
9 you hire?

10 A. The prerequisites for hiring?

11 Q. Uh-huh.

12 A. Yes, but in conjunction with the medical
13 staff. I would have to have those approved by the
14 appropriate medical staff committee.

15 Q. Is one of those requirements that the
16 emergency room physician be board certified?

17 A. It is not.

18 Q. It is not?

19 A. It is not.

20 Q. Tell me a little bit about what the
21 requirements are.

22 A. Requirements for any new hire would be
23 board certification but it would not be required

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1 to be board certified to maintain the position.
2 The reason for that is that back in the early 70s
3 when I started board certification was not
4 available and most physicians who have performed
5 adequately but not board certified have been
6 maintained.

7 Q. That's a grandfather clause, more or less?

8 A. With our department; yes.

9 Q. Is there a requirement on those particular
10 physicians who are, so to speak, grandfathered in
11 that they do attempt the board certification at
12 some point?

13 A. Yes, there is.

14 Q. And that's within a couple of years or
15 three years or something like that?

16 A. The original rule was that it had to be
17 done by the first of June, 1988 and all of the
18 physicians have either completed boards or have
19 begun to take the boards by that time.

20 Other requirements for new hire would be
21 obviously the completion of an emergency medicine
22 residency program satisfactorily. Otherwise, the
23 requirements would be those rather vague and

1 nebulous; good performer, nice person, high,
2 upstanding moral character, et cetera, et cetera.

3 Q. Are you the one then who makes the initial
4 decision as to whether to hire a position?

5 A. Yes.

6 Q. And then do you go to the hospital board or
7 something with it?

8 A. No; I make the initial decision. Then I
9 discuss the person with each member of the group
10 and if there's unanimity for a particular
11 candidate then that person would make an
12 application to the medical staff.

13 And if they pass the medical staff process
14 then they would be hired.

15 Q. How many beds is your emergency room here?

16 A. Twenty-four. I hesitate because we just
17 finished construction; I had to remember how many
18 are out there.

19 Q. Is this a level I trauma center?

20 A. We have no trauma center designation
21 officially in the State of Ohio, so if you would
22 use the level I category from other States I would
23 say no, because we do not have a trauma surgeon on

1 the premises 24 hours a day; we have to be a level
2 II, if that's what you mean by levels.

3 Once again, in Ohio there is no official
4 statements by any kind of agency within the
5 government about this.

6 Q. Isn't there a national one?

7 A. There are some national guidelines that are
8 put out both by the American College of Surgeons
9 and the American College of Emergency Physicians.
10 Those are suggested guidelines and
11 categorizations

12 The AMA committee on trauma, I think, also
13 has endorsed those but nothing n our State that
14 we have elected to, I guess, deal with. Except,
15 this year the legislature is looking at the issue.
16 Whether or not it will come to pass I have no
17 idea.

18 Q. Do you have care flight program here?

19 A. Not at this hospital. There is one in
20 Toledo.

21 Q. Which hospital?

22 A. St. Vincent's Hospital.

23 Q. Beyond your residency, Doctor, have you had

1 any further training of any sort in any kind of
2 medicine?

3 A. Other than attending courses; no

4 Q. And those having to do with emergency
5 medicine?

6 A. Right; all of them.

7 Q. What year were you board certified?

8 A. 1980.

9 Q. I note, Doctor, on the last page of your
10 curriculum vitae several publications that you
11 have either done alone or in conjunction with
12 someone else; is that correct?

13 A. That's right.

14 Q. And there seems -- let's see -- eight of
15 those. Are those your total publications since
16 you've been a physician?

17 A. Right.

18 Q. Would any of those publications, Doctor,
19 contain any information relevant to the case we're
20 here on today, in your opinion?

21 A. In my opinion they would not; most of the
22 articles that I have done have dealt with
23 management activities and not with clinical

activities.

There are two articles that are clinical; both of them have been done in conjunction with residents who did a lot of leg work and I reviewed the article and made suggestions and changes.

Q. Which two articles deal with clinical?

A. The one that says Spontaneous Rupture of the Sigmoid Colon in a patient with Ehlers-Danlos syndrome; that would be a colon case and intestine, certainly not a chest problem

And Interposed Abdominal Compression and CPR, Its Effect on Parameters of Coronary Profusion in Human Subjects was a research project that almost all of us were involved in here and dealt with a new method of CPR and it obviously has not been terribly successful since it has not become the standard way of doing CPR.

Q. What is the -- is this a book,

What Do Do Until the Real Doctor Comes?

A. No; that's a title of an article I wrote while I was a resident and it -- well, I'm glad you're smiling because when I wrote that article there always used to be a joke in

1 emergency medicine that we are not real doctors.
2 We were putting ourselves on.

3 And when I wrote the article, since
4 everyone said that about emergency physicians, I
5 thought I would put my tongue in my cheek and say
6 that That's when I learned a great many people
7 don't understand humor in any form and get angry
8 about it.

9 Q. That's interesting, Doctor, because it
10 brings me to a point.

11 What do you see as the role of the
12 emergency room physician when a patient comes in,
13 you know, in serious condition, as far as
14 consulting or calling in a specialist or another
15 physician? How do you determine that role?

16 A. Well, it's an easy question to ask and a
17 hard question to answer since there are a number
18 of variables.

19 One of the variables is the experience and
20 training of the emergency physician with specific
21 reference to that specific problem. All of us are
22 not as good at everything as we are at some
23 things.

1 The other variable is the kind of backup
2 that emergency physician might have and the
3 timeliness of that backup.

4 And then a third variable is the facilities
5 available in the entire building. For instance,
6 if I had a great deal of experience with trauma
7 cases and heard that a patient was coming in that
8 would almost certainly need surgery and knew that
9 surgeons were not immediately available, in that
10 case, even if I were totally capable of handling
11 the initial resuscitation myself, it would be
12 prudent to call a surgeon in even before the
13 patient got there so that the patient wouldn't be
14 harmed by the time delay.

15 On the other hand, if I had surgeons
16 available it might be prudent to not call them
17 immediately but to start managing the case by
18 myself until such point as I thought it was
19 reasonable to get the surgeon involved.

20 Generally, the emergency physician's role is
21 the assessment of a problem, the stabilization of
22 the problem and the determination as to whether
23 the patient is a candidate for discharge to go

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1 home, is a candidate for admission.

2 And then a branch of that is admission to
3 what service and a branch of that is how fast do
4 we have to move with this particular patient's
5 problem.

6 Q. Let's assume for a minute that you find it
7 prudent as an emergency room physician to call in
8 a specialist, whether it's a surgeon or infectious
9 disease or whatever it is.

10 How do you see that physician's role once
11 he has been called in?

12 A. Once a specialist has been called in to
13 manage a case the majority of the care and most of
14 the time all of the care and direction for that
15 care will be taken over by the specialist.

16 The only exceptions would be when, for
17 instance, a specialist was called to care for
18 severe facial laceration in a patient that also
19 had a minor leg laceration there might be two
20 physicians taking care of that patient at once to
21 speed up the care of the patient.

22 But in general, for instance, when you call
23 a surgeon to see a patient, for example for a case

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1 of possible appendicitis, once the surgeon arrives
2 that care is transferred to the surgeon and that's
3 the last the emergency physician will deal with
4 the case.

5 Q. Did you form Professional Services, Inc. in
6 1974 when you began here?

7 A. Yes, I did.

8 Q. How much time, Doctor, do you spend in the
9 -- how much of your professional time do you spend
10 in the clinical practice of emergency medicine?

11 A. That's a question that I put to my own mind
12 quite frequently. My guess is that I work about
13 half the time actually seeing patients and then
14 another 30, 40 percent of the time on activities
15 that are related to that, like quality assurance
16 activities, chart review, making sure that the
17 equipment is appropriate, reviewing problems that
18 occur in the department with clinical care.

19 The other 10 to 15 percent of the time
20 would be spent on budgetary activities and totally
21 non-clinically related materials.

22 Q. Is there teaching involved in your
23 practice?

1 A. Yes; we have residents in emergency
2 medicine with us at all times.

3 Q. So all of your clinical practice then
4 involves teaching at the same time?

5 A. With the exception of Tuesday mornings when
6 our residents are not around; they're on rounds.
7 And on Mondays they go to a journal club; and if
8 I'm working then, I have no residents.

9 But with those exceptions it is not --
10 there is no time when you don't have residents
11 with you.

12 Q. Does your teaching also involved lectures,
13 lecturing to students?

14 A. Yes. I lecture three or four times a year
15 at our hospital and also do some national talks.

16 Q. So they're individual teaching settings,
17 they're not a course for six months or something
18 like that?

19 A. That's correct. It would be a narrowly
20 focused topic lectures I would give.

21 Q. Have you reviewed medical negligence cases
22 in the past, Doctor?

23 A. Yes, I have.

1 Q. Can you give me an estimate of how many you
2 have reviewed?

3 A. Well, since 1974 I would guess I've
4 probably reviewed somewhere around fifty or sixty
5 cases.

6 Q. Have you ever reviewed a case for the
7 Jenks, Surdyk and Cowdrey firm before?

8 A. Yes, I have.

9 Q. How many times have you reviewed a case for
10 them?

11 A. In looking that up this would be the third
12 case.

13 Q. How many cases would you say, Doctor, you
14 have reviewed in the last year, medical negligence
15 cases?

16 A. Probably five or six.

17 Q. Do you review cases for Plaintiff as well?

18 A. Yes, I do.

19 (five
20 me an estimate?

21 A. Probably pretty close to 80-20 defense
22 client.

23 Q. How recently have you reviewed another case

1 for the Jenks firm?

2 A. Currently.

3 Q. So you're currently involved in more than
4 one case for them?

5 A. Yes.

6 Q. All three?

7 A. No; the first case or the third case has
8 been quite a while ago now.

9 Q. Did that case go to trial?

10 A. No.

11 Q. Can you tell me something about the facts
12 of that case?

13 A. Yes; it was a young lady who was in an auto
14 accident and suffered a transected aorta. She
15 was seen in a small hospital and then transferred
16 to, I believe, the Miami Valley Hospital, by
17 helicopter; ended up paralyzed.

18 Q. Were you deposed in that case?

19 A. I remember something fairly official; I
20 think it was an arbitration panel, I think it was

21 Q. It did go to arbitration?

22 A. I think it went to arbitration

23 Q. Do you remember the name of the case?

1 A. No, I cannot; I've been trying to; I can't
2 remember that.

3 Q. Do you remember approximately when it went
4 to arbitration?

5 A. About a year and a half ago, I think. It
6 seems to me that was in Springfield, Ohio
7 Court.

8 Q. Can you tell me a little bit about the
9 other case you are currently reviewing for the
10 Jenks firm?

11 A. This is a case of a black gentleman who was
12 driving his car and ran into a pole and suffered a
13 chest injury. You may be familiar with this case,
14 you may not. And he subsequently died.

15 Q. Is it your intention, Dr. Janiak, to offer
16 expert testimony in that case as well as this case
17 at trial?

18 A. Yes.

19 (Off the record.)

20 Q. Did you say yes?

21 A. Yes, I did.

22 Q. Doctor, approximately how many times have
23 you had your deposition taken when you have

1 reviewed a case as an expert witness?

2 A. No one has ever asked me that question
3 before; I don't know why. That's good; you're
4 doing your job.

5 The answer -- I don't have the exact
6 answer, but I would guess I have given probably
7 fifteen depositions.

8 Q. Do you recall ever giving a deposition on
9 behalf of the plaintiff?

10 A. Yes.

11 Q. About how many times?

12 A. I went to trial once for a Plaintiff so I
13 must have given a deposition for that one. And
14 then there was another one just a couple of weeks
15 ago, so I would say there were three.

16 Q. How much of your time do you spend, Doctor,
17 in reviewing cases in litigation or getting ready
18 for litigation?

19 A. It's got to be around 3 to 5 percent.

20 Q. Can you give me something in -- estimate
21 for me hours per month that you may spend doing
22 that?

23 A. I can't imagine it's more than 3 or 4 hours

1 a month because I rarely do it at the hospital.

2 I do it instead of reading a murder mystery at
3 night before I go to bed, the depositions sit on
4 my bedstand.

5 Q. Have your services as an expert witness ever
6 resulted in testimony at trial?

7 A. Yes, they have.

8 Q. About how many times?

9 A. Three.

10 Q. Have any of those three trials taken place
11 in Montgomery County?

12 A. No they have not.

13 Q. What counties?

14 A. Well, I think one was in Broward County in
15 Miami; another one was in Green Bay, Wisconsin. I
16 have no idea of the name of the county. And the
17 third one was in Defiance County in Ohio; that
18 would be just west of here.

19 Q. In your role as an expert witness on behalf
20 of the Defendant, Doctor, have you ever advised
21 settlement in a case?

22 A. Yes, I have.

23 Q. Have you, yourself, ever been sued for

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1 medical negligence or malpractice?

2 A. Technically the answer is no, not for
3 something I did personally; although, as president
4 of the corporation, the corporation would get
5 named if one of the other physicians had a
6 problem, and that has happened a couple of times.

7 And interestingly enough, one of my
8 partners just got a notice for a case that he
9 never saw and I did. And I can't explain why the
10 legal system did that to him.

11 Q. Was that your patient?

12 A. It was my patient; he wasn't even around.
13 He wasn't even in the country, I think, at the
14 time.

15 Q. Doctor, have you ever served as an expert
16 witness on a case in any involving an asthma
17 condition, besides this one?

18 A. Let me think for a moment. No, I can't
19 remember, I can't remember any asthma cases.

20 Q. Do you recall how you were first contacted
21 with regard to this case?

22 A. No, I have no direct knowledge of how I was
23 contacted, but I presume it was a phone call.

1 Q. Do you remember who made the phone call?

2 A. No, I do not.

3 Q. Or who first contacted you?

4 A. No, I do not.

5 Q. Do you remember when you were first
6 contacted?

7 A. I believe it was early last year, 1988.

8 Q. And when you were first contacted, Doctor,
9 what were you asked to do?

10 A. I would have been asked to review materials
11 on behalf of an emergency physician in the case in
12 which there was alleged malpractice.

13 Q. And were you then initially provided some
14 materials to review?

15 A. Yes.

16 Q. What were you provided?

17 A. I don't have a chronological listing of
18 what came first and what came second, but I have
19 written down the materials that I reviewed.

20 Q. Okay; that'll help.

21 A. And so the first one was a co-oximeter
22 operator's manual. That I just got; that's why
23 I'm saying they're not in order.

1 Deposition of Donald Burns, D.O.; Russel
2 Field, D.O.; Russ Zumwalt, James Gadek, Bruce Rank
3 and James Muchee. And then a Complaint and then
4 the final document was the emergency records from
5 Southview Hospital.

6 Q. The emergency records of August 25th, 1986?

7 A. Correct

8 Q. Obviously you didn't receive all of these
9 depositions initially because they hadn't been
10 taken.

11 A. That's correct.

12 Q. And you said you just received the
13 co-oximeter manual?

14 A. Right

15 Q. Do you recall initially receiving the
16 emergency room records from Southview and the
17 Complaint?

18 A. Those would be, obviously, the first things
19 that would come through.

20 Q. When you -- and I assume you did review
21 those two things when they came to you?

22 A. Yes.

23 Q. When they came to you, Doctor, do you

1 remember if there was any accompanying
2 correspondence?

3 A. Yes, there was a letter that says enclosed
4 are the records.

5 Q. Did you retain the letter?

6 A. I'd have to go back and look through the
7 files. Some are here, some are home.

8 That letter I don't have; I have another
9 one, but not that one.

10 Q. Do you recall whether the initial letter
11 you received, Doctor, contained any recitation of
12 the facts in this case?

13 A. I don't recall, but I'm pretty sure I've
14 never seen a summary of the facts other than what
15 the materials were that were given.

16 Q. After your initial review, Doctor, did you
17 provide to counsel in this case any written report
18 or letter reciting your opinions in the case?

19 A. No, I've never given a report.

20 Q. Have you reviewed any X-rays in this case?

21 A. No.

22 Q. You've never seen any X-rays?

23 A. I've never seen any X-rays.

1 I take t you have not reviewed the
2 deposition of Mrs. Clark, Kim Sierra's mother?

3 A That's correct

4 Q. Have you reviewed the depositions of any
5 nurses?

6 A. I don't believe so.

7 Q. Have you reviewed the deposition of Dr.
8 Fisch?

9 A. No, I have not. Let me say I may have; I
10 may have. I'm not sure because it seems to me
11 that he may have been -- and you can correct me if
12 I'm wrong -- a physician who was also a Ph.D. in
13 something?

14 Q. Uh-huh; I think that's correct.

15 A. Okay.

16 Q. Dr. Fisch is serving as an expert witness
17 in emergency medicine on behalf of plaintiff in
18 this case.

19 A. Right; that's the reason I'm hesitating. I
20 can't -- I looked and I can't find that deposition
21 but somehow that's familiar to me. I don't know
22 why it would be familiar to me if I had not seen
23 it.

1 Q. There's no reason then why you would
2 particularly have not reviewed that deposition?

3 A. That's correct.

4 Q. Have you reviewed an autopsy report in this
5 case?

6 A. Yes, I have.

7 Q. Have you reviewed any other hospital
8 records of either ER visits or admissions of Kim
9 Sierra, other than the one on the date of her
10 death?

11 A. No I don't remember seeing anything else,
12 but let me look through again, just to be sure. I
13 don't think I have anything other than that date of
14 death admission. No.

15 Q. You've never seen any records, say, from
16 New Jersey or from Middletown, Ohio?

17 A. No; that's not familiar to me.

18 Q. Have you reviewed any physicians' office
19 records? For instance, Dr. Field's office
20 records.

21 Q. No; but I believe in his deposition he
22 referenced those; I remember seeing them.

23 Q. How about Dr. Burns's office records?

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1 A No; same comment though
2 Q. Have you reviewed at any time, Dr. Janiak,
3 any written policies or procedures or protocols of
4 Southview Hospital?
5 A No, I have not
6 Q Is there an emergency room manual
7 containing protocols at Toledo Hospital?
8 A Clinical protocols?
9 Q Uh-huh.
10 A No.
11 Q None exists?
12 A. None exists.
13 Q. Are there any written protocols, to your
14 knowledge, Doctor, at Toledo Hospital regarding
15 blood pressure monitoring, recording of vital
16 signs or anything like that?
17 A. No. There is a request, written request
18 from the emergency physicians that gives
19 guidelines for taking of vital signs for our
20 patients. So it's not a protocol but it's a
21 document that was generate from an emergency
22 physicians' meeting which gave direction to the
23 nurses about how we would like vital signs taken.

- 1 Q. And is that provided to the nurses?
- 2 A. Yes, through the director of emergency
- 3 nursing, then, that policy is passed down to the
- 4 nurses and becomes departmental policy, but it
- 5 isn't in a policy book.
- 6 Q. Okay; is that the way departmental policy,
- 7 as far as clinical care, is developed?
- 8 A. That's right.
- 9 Q. And that's always the case?
- 10 A. That's always the case.
- 11 Q. Was there ~~any~~ ~~procedure~~ developed in
- 12 that fashion regarding technical procedures done
- 13 in the emergency room?
- 14 A. Are you referring to what may or may not be
- 15 done in the department, or how they are done?
- 16 Q. Both.
- 17 A. There are documents that state what kinds
- 18 of things can and can't be done in the emergency
- 19 department.
- 20 There are no documents that state how -- if
- 21 they are going to be done how they should be one
- 22 or describing how they should be done.
- 23 Q. Uh-huh. In this hospital do nurses do

1 central venous pressures?

2 A. Yes, they record central venous pressures;
3 that's right.

4 Q. Is there any protocol or direction for the
5 nurses in a nursing manual as to that sort of
6 thing, central venous pressures, recording blood
7 pressures?

8 A. I would think there would be in the nursing
9 manual that would tell them; probably a review of
10 central venous pressure lines and how to set them
11 up and how to read them I would think

12 Q. And the nurses can in fact set up central
13 venous pressure lines?

14 A. Oh, yes.

15 Q. And are your emergency room nurses here
16 trained and capable of doing that?

17 A. With the exception of people who are just
18 hired and orienting, yes, they all are.

19 Q. Is that a requirement for them here?

20 A. I don't think it's a written requirement.

21 I think that it just happens often enough so that
22 the nurses are trained in how to do that.

23 Q. Are there any technical skills, to your

1 knowledge, Doctor that the nurses in this
2 emergency room are required to meet? In other
3 words, before they start working here full-time
4 are they required to meet certain skill levels on
5 technical procedures?

6 A. No, because I think in order to evaluate
7 skill levels you have to observe performance. So
8 prior to hiring, I think, the criteria would be
9 softer than actually passing some kind of
10 evaluation that determined performance levels or
11 skill activity.

12 Q. So that's observed then by the physicians
13 and the director of nursing, et cetera, once the
14 nurse is here?

15 A. That's right.

16 Q. And if there's a problem, what happens?

17 A. If there's a problem then there's a
18 counseling session that takes place, a retraining
19 session that takes place and a reevaluation
20 session that takes place. And if there's still a
21 problem, then the nurse is advised to seek
22 activity elsewhere.

23 Q. Doctor, do you know personally any of the

1 parties to this lawsuit?

2 A. No, I do not.

3 Q. You don't know Dr. Muchee, for instance?

4 A. No, I don't.

5 Q. Do you know personally, Doctor, any of the
6 expert witnesses serving in this case?

7 A. Dr. Fisch is one of the expert witnesses,
8 you told me?

9 Q. Uh-huh, and Dr. Gadek and Dr. Zumwalt.

10 A. No, I don't know any of them.

11 Q. Were you provided at any time during your
12 analysis of this case over the last few months,
13 Doctor, any medical literature to review at all?

14 A. None whatsoever.

15 Q. Did you in fact refer to any medical
16 literature during your review of this case?

17 A. Yes, I did.

18 Q. Can you tell me what you referred to?

19 A. I looked up one article on complications of
20 pulmonary resuscitation.

21 Q. What is the name of the article, please?

22 A. That's the name of the article.

23 Q. Would it be possible for me to a copy of -

1 that?

2 A. Certainly; I'll have it copied for you
3 right now.

4 Q. That'd be great.

5 A. Hold on just a second.

6 Q. Now, other than the article you've just
7 referenced that's being copied did you refer to
8 any other medical literature whatsoever?

9 A. No; that was it.

10 Q. You went looking for this article?

11 A. Yes, I did.

12 Q. Why did you do that?

13 A. Well, it was my feeling that
14 mediastinal hemorrhage is very common with
15 -- as a secondary event any time you try to
16 resuscitate a patient, and I wanted to be sure the
17 literature backed me up on my feeling.

18 Q. And is it your opinion the literature did
19 back you up?

20 A. Yes; it did.

21 Q. And what significance, Doctor, does that
22 have to any opinions you may have formed in this
23 case?

1 A. Well, since it met with what I already
2 thought it really has very minor significance; it
3 was just, I guess, a minor reassurance.

4 Q. Was that the only thing about that
5 particular article that you were specifically
6 interested in?

7 A. That was it; nothing else.

8 Q. I take it then, Doctor, your
9 intention is to testify in this case that you have
10 formed opinions regarding Kim Sierra's treatment
11 in the emergency room at Southview Hospital; is
12 that correct?

13 A. That's correct.

14 Q. Do you want to tell me what those opinions
15 are?

16 A. Well, they include but may not be limited
17 to, since we're not done with the case, the fact
18 that the emergency physicians and the nurses and
19 the hospital and the consultant all performed well
20 within the standard of care in managing this case.

21 Q. Anything else?

22 A. Well, I don't think any of the things that
23 they did in any way related to the fact that she

1 eventually died.

2 (Off the record.)

3 Q. Just to identify this, Doctor, the article
4 that you did reference in your review is entitled
5 Complications of Cardiac Resuscitation; correct?

6 A. Correct.

7 Q. And this article was found in Chest; is it
8 a digest or periodical?

9 A. Right; it's a journal of chest diseases.

10 Q. And it was found in the August, 1987
11 publication?

12 A. Correct.

13 Q. Doctor, are you aware that this patient
14 drove herself in to Southview emergency room the
15 morning of August 25th, 1986?

16 A. I guess I wasn't sure that she drove, but I
17 do remember a nurse's note that says she presented
18 with her child in her arms, so I assume she
19 somehow managed her own way there.

20 Q. Does that surprise you at all?

21 A. No, not particularly.

22 Q. I'd like you to describe for me if you
23 would, Doctor, your understanding from your review

1 of the records as to how this patient presented
2 to the emergency room that morning.

3 A. Well, she presented, as I said before, with
4 a child in her arms, appearing quite ill, looking
5 to be in severe respiratory distress. And I guess
6 that's all I have to say about it.

7 Q. So basically that sums it for you, that she
8 presented in severe respiratory distress.

9 Doctor, does your experience include the
10 treatment of patients undergoing asthmatic
11 attacks in this emergency room?

12 A. Yes.

13 Q. Can you estimate for me about how many
14 patients per year or per month undergoing asthma
15 attacks you see in this emergency room?

16 A. Oh, a very gross estimate would be between
17 five and ten a day.

18 Q. What is status asthmaticus?

19 A. Well, simply put it's a state of shortness
20 of breath caused by spasm in the airway, in the
21 tubes in the lungs, which is consistent; it does
22 not stop. And I've forgotten the exact definition
23 but there's a time definition of how long it

1 lasts

2 And it also implies to the physician that
3 it is not responsive to at least simple therapy.

4 Q. What do you mean by simple therapy?

5 A. Simple therapy would be the medications the
6 patient is usually on at home. So I guess to
7 rephrase that, an asthmatic attack which is not
8 relieved by home medications usually. Although in
9 a new asthmatic that's never been on medications
10 if it's persistent activity that doesn't stop it
11 could be status asthmaticus.

12 It does not imply that hospital therapy is
13 functional or doesn't work or does work; that
14 definition is not related to that.

15 Q. So under your definition that you have just
16 related to me, Kim Sierra was suffering status
17 asthmaticus; correct, on that morning?

18 A. Right.

19 Q. Doctor, from your review of these records
20 and your understanding of Kim Sierra's
21 presentation that morning what, in your opinion,
22 would be the important things to be done
23 initially?

1 A. Well, the initial activity would have to
2 have been a very brief history and physical
3 examination, if she could talk. If she couldn't
4 talk then the history could be deleted. But one
5 would have to at least listen to the chest for a
6 second to determine whether or not she indeed had
7 mirror sounds and what their characteristics might
8 be since you could use that for a baseline for
9 improvement or worsening.

10 That would be have to be followed almost
11 simultaneously by the beginning of intravenous
12 access and the treatment with medications to
13 reverse the asthmatic problem.

14 The medications would have to be given
15 parenterally. By parenterally I mean other than
16 orally.

17 Q. Why is that?

18 A. Because they act faster, at least for
19 asthma they act faster if you give them by
20 injection.

21 Q. How about if they were given through an
22 endotracheal tube or a nasal tube?

23 A. That would be fine.

1 Q. That would be as good as IV? .

2 A. Well, I think the literature is variable on
3 that. There would certainly be no criticisms on
4 my part for giving it via an endotracheal tube.
5 The absorption is extremely rapid for drugs like
6 epinephrine and it is one of the recommended ways
7 to give it.

8 I think there can be demonstrated minor
9 differences between for instance IV sites and
10 via the endotracheal tube but I don't think any
11 of those differences have been shown to be
12 significant one way or another.

13 Q. So it wouldn't have bothered you if -- in
14 this case if the medications, including
15 epinephrine, were being administered through a
16 nasal trach or an endotracheal tube?

17 A. Unless that were the only way all the
18 medications were given.

19 Q. What do you mean by that?

20 A. What I mean is if the patient came in and
21 all medications were given via the endotracheal
22 tube and no other sites were accessed or
23 attempted, then I would have a problem.

1 Q. Why?

2 A. Well, because as I said, the literature is
3 variable and if I had a patient that was not
4 responding to one route of giving medication I
5 would want to try another route.

6 Also the volume amounts of some of the
7 medications would be -- especially in giving
8 repeated doses -- might be too high for via
9 endotracheial tube.

10 Q. So in your opinion it was very important
11 to start an IV as soon as possible in this
12 patient?

13 A. Yes.

14 Q. What kind of IV?

15 A. Are you asking the type of fluid or the
16 tubing or the needle sites?

17 Q. Needle sites and tubing.

18 A. It doesn't make any difference to me as
19 long as it's sterile.

20 Q. So it could have been in the wrist or hand
21 or --

22 A. Oh, sure.

23 Q. That would have been fine?

1 A Right.

2 Q And would the sole purpose of that IV have

3 been to administer medication?

4 A That's right.

5 Q Doctor, you felt it would be important to

6 take a history, if possible, do at least a cursory

7 physical to try to find out about the chest

8 sounds, at the minimum; correct?

9 A Correct.

10 Q And get an IW started somewhere?

11 A Right.

12 Q Anything else that would have been

13 important in your opinion to do initially with

14 this patient?

15 A Well, I think you left out giving some

16 medication; starting that and giving medication?

17 A What medications?

18 A Well, that's variable, too. It would be

19 perfectly reasonable to use epinephrine for a

20 patient like this. It would be reasonable even to

21 use Tributaline for a patient like this. It

22 would certainly be within the standard to

23 simultaneously give Aminophylline, although that

1 would usually be IV; that's one reason I said not
2 an endotracheal tube because there's a higher

3 volur
4 ose would be the medications you'd start

5 with
6 .. would also be reasonable to give aerosol
7 treatment to a patient like this assuming that
8 could be tolerated.

9 Q. When you say it would be reasonable to give
10 ph ..--hylline, et cetera, are any of

11 those **medications** such that in your opinion it
12 would have been unreasonable not to give them?
13 A. Yes. In a patient like this it would be
14 unreasonable to not give either the epinephrine or
15 the Tributaline.

16 Q. One or the other?

17 A. One or the other.

18 Q. How about the Aminophylline?

19 A. That would require judgment based on the
20 response to the first medications, which would
21 usually be the epinephrine or the Tributaline.

22 Q. Let's assume you didn't get such response
23 with the epinephrine.

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1 Q. Then it would be very appropriate to
2 simultaneously begin the Aminophylline.

3 Q. Would it be unreasonable to not begin
4 the Aminophylline under those circumstances?

5 A. Not in all cases. There could be a time
6 when it would be a consideration that the patient
7 had enough Aminophylline already or enough
8 Theophylline product and you could be concerned
9 about toxicity; that would be part of the history.

10 It also could be that you, in certain cases
11 you would feel that you'd get a better response if
12 you used an inhaled mist of a bronchodilator
13 agent, Aminophylline-like agent, Alupen[®] or
14 something like that. There's many, many different
15 types.

16 Q. All right; as I said, you've listed about
17 four things now that in your opinion were
18 important to be done initially.

19 Is there anything else?

20 A. Not initially; no.

21 Q. Given your review of this chart did it
22 become rather quickly apparent to you that it was
23 important to get this patient some respiratory

1 assistance?

2 A. It looked -- yes, it looked as if she were
3 not responding very well to the medication
4 continued to be short of breath and further
5 intervention in her airway was appropriate.

6 Q. And in your opinion what kind of further
7 intervention?

8 A. Well, the most likely course I think the
9 majority of physicians would take would be to
10 intubate the patient.

11 Q. Would it in your opinion, Doctor, at some
12 point in time have become a deviation from
13 appropriate standards of care not to intubate this
14 patient?

15 A. Yes, it would be my opinion that if the
16 patient had not been intubated that would have
17 been a deviation.

18 Q. At what point in time would it have been a
19 deviation not to intubate this patient?

20 A. Well, sometime probably within the first
21 hour, hour and a half. But the exact time is a
22 judgment call based on the patient's -- the way
23 the patient looks, the vital signs and responses

1 to the medications.

2 Q. In your opinion, Doctor, was a subclavian
3 catheter necessary for this patient?

4 A. Any patient that is not getting better and
5 seems to be in extremis, like this one was, a
6 central venous line is indicated. Whether that is
7 a subclavian or internal jugular is not relevant.

8 Q. Why is a central venous line indicated?

9 A. It is imperative that there is a more
10 secure access to the venous system to give
11 medication. We know that the venous lines that
12 are called peripheral lines, that is lines that
13 are in the arms and legs, can be bumped and
14 dislodged and not function appropriately.

15 So for reasons of having more secure line,
16 a central venous line is more appropriate.

17 The second reason is that the central
18 venous system is closer to the heart and the lungs
19 than the peripheral venous system, so medications
20 given centrally will reach their site of action a
21 little bit faster than medications given
22 peripherally because of the distance and also
23 there'll be a little bit less dilution so the

1 larger amount, relatively speaking, will arrive at
2 the site of action.

3 Q. So in -- if I'm understanding correctly, and
4 correct me if I'm wrong, Doctor -- if I'm
5 understanding correctly, the reason in your
6 opinion a central venous line was indicated is to
7 provide medications at the most optimal, in the
8 most optimal way?

9 A. Correct; that's a simple way of putting it.

10 Q. Okay. Is there any other reason why a
11 central venous line is indicated in this patient?

12 A. No I can't think of any other kind of
13 reason.

14 Q. You indicated you can put it in the jugular
15 or you can put it subclavian?

16 A. You put in a right or a left subclavian
17 line; yes.

18 Q. Is there any other way to get a central
19 venous line in?

20 A. Well, you could use a femoral line in the
21 groin and thread the catheter up through the
22 abdomen and into the chest. That could be done,
23 but it's certainly not an accepted way of doing it

1 in patient like this.

2 Q. Are there risks, Doctor, to subclavian

3 lines?

4 A. Yes, there are.

5 Q. What are the risks?

6 A. Two major risks are puncturing the ing
7 causing a pneumothorax; and puncturing a blood
8 vessel, causing hemorrhage.

9 There's a minor risk of infection but

10 certainly is not a consideration in an acute

11 situation

12 Q. In your opinion, Doctor, was the value of
13 the subclavian line -- did that make it worth
14 taking the risks with this particular patient

15 absolutely no question that it was

16 worth it. As a matter of fact, I think it would
17 have been less than the standard to not do that.

18 Q. Doctor, do you know what kind of X-ray
19 were taken in this case and how many?

20 A. I frankly do not remember. I'm sure there
21 are X-rays of the chest; I remember seeing X-ray
22 reports that related to placement of various
23 tubes, but not what they were in number.

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1 Q. Do you know whether they were PA or
2 lateral?

3 A. I can't remember that.

4 Q Doctor did this patient in your opinion
5 have tension pneumothorax?

6 A. I don't remember seeing any evidence for a
7 tension thorax.

8 Q In your opinion did she have pneumothorax?

9 A Yes, she did.

10 Q What is pneumothorax?

11 A Pneumothorax is air within the chest cavity
12 that is external to the surface of the lung. I
13 guess that's the best way to put it.

14 Q. And what is tension pneumothorax?

15 A Tension pneumothorax refers to the same
16 entity but in the case of tension there's
17 increasing pressure with each breath in that space
18 so that the ability of the lung to stay expanded
19 is lost; external pressure collapses the lung.
20 That's opposed to a passive collapse of the lung
21 where it just, I guess, collapses like a balloon
22 that one lets air out of.

23 Q. So if tension pneumothorax is present then

1 has the lung already collapsed or is it in the
2 process of being compressed or --

3 A. Either one. When you first get a tension
4 thorax the first second of it there is a small
5 amount of air external to the lung and each breath
6 the pressure in the space external to the lung
7 increases so there's a constant pressure within
8 the lung and within a variable amount of time,
9 whether it's seconds or minutes, there becomes a
10 complete collapse of the lung.

11 And then after that happens the lung starts
12 to be pushed over to the opposite side of the
13 chest.

14 Q. And then you get a midline shift?

15 A. You get a midline shift and by that time
16 the patient is in serious trouble, if not dead.

17 Q. And you indicated you saw no evidence in
18 the record that this patient had tension
19 pneumothorax?

20 A. Correct.

21 Q. You indicated that one of the causes of --
22 you're going to have to help me here -- one of the
23 risks of a subclavian line is that you can

1 puncture the lung?

2 A. Correct.

3 Q. And you can cause a pneumothorax or a
4 tension pneumothorax?

5 A. You could cause either one. Most likely
6 it's a plain pneumothorax.

7 Q. Do you think that occurred in this case?

8 A. No, I don't

9 Q. Why not?

10 A. Because I think the pneumothorax in this
11 case was secondary to the positive pressure that
12 was necessary to keep the lungs inflated.

13 Q. Does pneumothorax cause a drop in blood
14 pressure?

15 A. Simple pneumothorax itself will not affect
16 the blood pressure.

17 Q. Will tension pneumothorax affect it?

18 A. Yes, it will, eventually.

19 Q. How is pneumothorax treated?

20 A. It depends on the size of the pneumothorax
21 and the cause of the pneumothorax. There are
22 several methods of treating it.

23 Q. Well, let's take this patient and this --

what caused the pneumothorax in your opinion in this case. How would you treat that?

A. You have to put in needles in both sides of the chest. Well, actually, holes in both sides of the chest.

Whether those holes are small plastic catheters which allow air to escape or whether those holes are larger, called chest tubes, is not relevant. Either one will work.

Q Okay. When you say the smaller one, would that be like a McSwain dart?

A. It's one of the band names of that kind of activity; right.

[illegible]

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Q. What size of the outgoing party always follows them chest makes no difference?

A. Makes no difference. Well, with the exception of it being microscope, if we're dealing in absolutes, it could be such a small needle that it wouldn't be functional.

O'DONNELL, DONALD MONROE

1 darts were put in at some point?

2 A. Correct.

3 Q. By Dr. Muchee?

4 A. Correct.

5 Q. And then when Dr. Rank came in chest tubes
6 were put in?

7 A. Correct.

8 Q. Do you know the purpose of that why they
9 did that?

10 A. Well yes I think I do

11 Q. Why?

12 A. My impression from the records is that the
13 patient still was not doing well and they had a
14 feeling well, she's not doing well, then let's try
15 something else. Maybe we're missing something,
16 maybe McSwain darts are not functioning
17 appropriately. Let's put in chest tubes and see
18 how they work.

19 This could be because Dr. Rank was more
20 comfortable with chest tubes than McSwain darts. I
21 mean, it's a personal thing with physicians about
22 the modalities they like to use to relieve and
23 treat certain conditions.

1 There are many thoracic surgeons who are
2 more comfortable with chest tubes than McSwain
3 darts.

4 The other thing is that in the case of
5 chest tubes the McSwain dart is going to relieve
6 air. If there's blood it's not going to do much
7 for you.

8 The chest tube, though, will allow
9 drainage of both air and blood and you'll be able
10 to see immediately if you've missed something
11 else, if there's another problem.

12 So it made good sense since the patient is
13 still not doing too well to put in the chest tubes
14 and perform a therapeutic function, that is to
15 relieve any air; and to perform a diagnostic
16 function and that is to see if we're missing
17 some bleeding in the chest.

18 Q. Do you think that's what was occurring
19 here, do you think that was the purpose for
20 putting in the chest tubes, to see if there was
21 bleeding?

22 A. No; I think the purpose was they were just
23 not convinced. They had a dying patient. They

1 were not -- they wanted to try everything they
2 could and they felt gee, maybe the McSwain darts
3 are not working, let's try something else.

4 I think, secondly, it was not specifically
5 because they thought blood was in there, but it
6 certainly would be a consideration to say if we do
7 find it we'll know there's another problem.

8 Q. If blood does not come out a chest tube,
9 Doctor, is that -- does that necessarily mean to
10 you that the patient has no bleeding in the chest?

11 A. No; it's possible to have some bleeding in
12 the chest and not have any blood come out a chest
13 tube. For instance, you can have a few
14 teaspoons of blood on either side of the chest and
15 not be able to pick it up with a chest tube
16 because it will not sweep the entire free area in
17 the chest. So it's possible to have some blood in
18 there; certainly.

19 Q Well, doesn't part of it depend on where
20 the chest tubes are placed?

21 A. Not really.

22 Q. How they're placed?

23 A. Yeah, it does, if they're placed in the

1 wrong place then they won't pick up the blood
 2 So if you insert the chest tubes in the wrong area
 3 or even insert them in the right area but thread
 4 them inappropriately I supposed you could be in a
 5 situation where you would not pick up the blood.

6 Q. Does the record reflect, Doctor, for you
 7 how and where these chest tubes were placed, with
 8 any specificity?

9 A I d have to look at the record for that if
 10 anybody can help me I'd appreciate that.

11 Q Is your copy of the record numbered at the
 12 bottom right-hand corner of the pages?

13 A No.

14 Q Doctor, just to make things simpler here I
 15 am going to hand you a clean copy of this chart
 16 that has been numbered coinciding with my
 17 numbering, 1 through 34, and if you could
 18 reference when you find something.

19 (Recess taken.)

20 Q. Back on the record, Doctor. Were you able
 21 to find something regarding the chest tubes in the
 22 chart?

23 A. Yes, I was On page 26 of the records that

1 you handed me there is a note that the chest tubes
2 were inserted, and this is written by Dr. Rank.

3 If you put that together with the autopsy report
4 and the diagram from the autopsy report there are
5 lines which indicate chest tube holes are
6 basically underneath each breast laterally. And
7 this would be the lateral midchest area is the
8 area that you would insert a chest tube to
9 evacuate both air and blood

10 So assuming this is right and the tubes
11 were in those areas and that no blood came out, I
12 would say there was no significant amount of blood
13 in the chest on either side.

14 Q. So that is your opinion, that there was no
15 significant amount of hemorrhage; correct?

16 A. That's right.

17 Q. There was hemorrhage, however, of some sort
18 into the mediastinal area; correct?

19 A. That's what that pathologist noted; that's
20 correct.

21 Q. And that bleeding was going on while Kim
22 Sierra was alive; correct?

23 A. It occurred prior to the time that they

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1 pronounced her dead which is -- I guess it's the
2 same way -- we're saying the same thing, I guess.

3 Q. Do you have an opinion, Doctor, as to what
4 caused that bleeding?

5 A. Oh, sure. That bleeding could occur from
6 CPR, pushing on her chest and that's what I think
7 happened.

8 Q. So it's your opinion to a reasonable
9 medical probability that she had bleeding in the
10 mediastinum due to CPR on the chest?

11 4 Correct

12 Q. Doctor, in your opinion was there anything
13 else at all going on with this patient in addition
14 to a severe asthma attack between 6 a.m. and 8
15 a.m. on that morning?

16 A. The only thing that was going on was the
17 attempts to resuscitate her.

18 Q. In your opinion, Doctor, did this patient
19 suffer from subcutaneous emphysema?

20 A. Yes.

21 Q. Can you give me a definition of that?

22 A. Air under the skin.

23 Q. In your opinion what was the cause of that?

1 A. The patient had an endotrachial tube
2 inserted and air was being forced down that tube
3 into her lungs, but because of the resistance of
4 the lungs, because of the asthma, the resistance
5 comes from both spasm and all the mucus and
6 materials in the lungs, you have to use fairly
7 high pressures to push.

8 When you use the high pressures you can
9 create, and you frequently do create, pneumothorax
10 and when you continue to use the high pressures,
11 even if you evacuate the hemothorax the air flows
12 up under the skin from the chest and dissects,
13 usually first up the neck and around the face, but
14 if it keeps going it can dissect all the way down
15 to the hips.

16 Q. And that was the cause in your opinion in
17 this case?

18 A. Yes.

19 Q. In your opinion, Doctor, did that
20 subcutaneous emphysema in any way play a role in
21 her death?

22 A. No, I don't think it had anything to do
23 with it.

1 Q. Is it a condition, Doctor, that in your
2 opinion must be addressed?

3 A. If you --

4 Q. In and of itself?

5 A. In and of itself? Yes.

6 Q. It's important to address it?

7 A. Right.

8 Q. In what way is it addressed?

9 A. it is addressed by the insertion of chest
10 tubes.

11 Q. Why is it important to you to address that
12 condition in and of itself?

13 A. If you see a patient that comes in with
14 subcutaneous emphysema you have to know why they
15 have it.

16 Q. I understand that; it's important to know
17 why they have it. Is it important to alleviate it
18 in and of itself?

19 A. Well, you have to make an assumption when
20 you see it that there's an underlying problem, so
21 it's important to find the underlying problem and
22 then make a determination as to whether that
23 problem has to be alleviated.

1 Q. So if we're following each other here, the
2 important thing is to determine the underlying
3 problem, hopefully alleviate it and in that way t
4 he subcutaneous emphysema will in and of itself go
5 away eventually?

6 A. That's exactly right.

7 Q. But as far as this subcutaneous emphysema
8 in and of itself being life threatening or
9 anything like that, would you agree that that's
10 not a problem?

11 A. That is not a problem in this patient.

12 Q. Doctor, are you aware that there were two
13 bronchoscopes conducted in this case?

14 A. Yes.

15 Q. Do you know what the purpose of those
16 bronchoscopes was?

17 A. Well, as I said with an insertion of the
18 chest tubes the patient wasn't getting any better;
19 they were doing all the things they could think of
20 to do; and so they said why not look into the
21 lungs and see if we can see something which is
22 causing this patient's inability to oxygenate.
23 something else wrong in her chest.

1 And in this particular case I assume they
2 were looking for mucus that could be suctioned
3 out, so it was a -- I suppose one could term it a
4 desperation maneuver, certainly not something you
5 do with every asthmatic, but when they're not
6 getting better it certainly is justified.

7 Q. Is it your understanding that both of these
8 bronchoscopes were conducted after the chest
9 tubes were in; or do you recall?

10 A. I don't recall that.

11 Q. I believe the first one by Dr. Rank was
12 conducted prior to the chest tubes going in.

13 Q. But after the McSwain darts?

14 A. I don't know; let's pin that down, okay? I
15 believe that that information's contained in the
16 nursing notes, page 7.

17 Q. McSwain darts, 6:48, I think; and then
18 bronchoscopy at some later time. I see a note,
19 call for bronchoscope after that, so the McSwain
20 darts were in first and then the bronchoscope
21 called for; bronchoscopy about 7 -- something
22 around 7:15, I think.

23 Q. It appears does it not Doctor, from the

1
2 purpose in mind that he would come and do a
3 bronchoscopy?

4 A. No. I didn't see that. I saw that
5 somebody called Dr. Rank. I don't know whether
6 they asked him to do a consult and help in any
7 way he could, or asked him only to do a
8 bronchoscopy. I can't tell that from the records.

9 Q. Well, let's assume they called him for
10 the purpose of doing a bronchoscopy, okay?

11 A. Okay.

12 Q. At least one of the purposes of calling
13 him. In your opinion Doctor was that an
14 appropriate action?

15 A. Yes.

16 Q. For the purpose of looking down in her
17 chest to see what was there?

18 A. Sure.

19 Q. For any other purpose?

20 A. For the bronchoscopy, for any other
21 purpose?

22 Q. Uh-huh.

23 A. No; that would be it

1 Q. In your opinion, Doctor, would it have been
2 inappropriate not to do a bronchoscopy at that
3 time?

4 A. I would -- no I guess you used two
5 negatives there so you tripped me up a little bit.
6 But --

7 Q. Let me change it, make it easier for you.

8 In your opinion was the bronchoscopy
9 necessary?

10 A. In retrospect I don't think it made any
11 difference. Let me put this another way.

12 If they had not done a bronchoscopy I would
13 not feel that they mishandled the case.

14 Q. Would you have done a bronchoscopy?

15 A. I am not qualified personally to do
16 bronchoscopes?

17 A. Well, would you have determined to do a
18 bronchoscopy or have one done?

19 A. In a patient like this I would certainly
20 think about it and I would call for someone else
21 to come down and see if they wanted to do one.

22 If they decided to do one I would say
23 terrific; if they decided that they felt it was

1 not necessary I would say terrific, also.

2 Q. You wouldn't feel it was in our bailiwick
3 so to speak to make that determination?

4 A. That's correct.

5 Q. Regarding the bronchoscopy?

6 A. Personally; that's right.

7 Q. Are you aware, Doctor, that this young
8 woman had a rather severe injury to her larynx
9 historically?

10 A. Yes.

11 Q. Do you recall how you're aware of that?

12 A. From reading the records and I've forgotten
13 which record but apparently she'd been in an

14
15
16
17
18
19
20
21
22 that occurred with Kim Sierra in August, '86?

23 A. In my opinion it was unrelated.

1 O Doctor in your review of the record did
2 you note that there is no notation of blood
3 pressure on this patient from 6:02 a m when the
4 blood pressure was 122 over palpated until 7 05
5 a.m when the blood pressure was noted as zero?

6 A. Yes, I did notice that.

7 Q In your opinion Doctor, does the lack of
8 surveillance of this patient's blood pressure for
9 approximately one hour meet a reasonable and
10 ordinary standard of care in those circumstances?

11 A I will say that the lack of documentation
12 is inappropriate, that there should be
13 documentation of blood pressures, two, three four
14 more during that time period. So I didn't see
15 that I don't think that that's good.

16 Q. In this emergency room, Doctor, are the
17 nurses or the staff or the physicians or someone
18 required to record blood pressures when they're
19 taken on a rather severely ill patient?

20 A. Yes. Let me answer that maybe another way.
21 We would think the nurses were not doing their job
22 and had violated their standard if they had not
23 recorded all the blood pressures they had taken

1 with some exceptions.

2 And those exceptions would be you would not
3 expect them to record if they took ten blood
4 pressures in 20 minutes, all ten blood pressures.
5 We would like to have a picture of change but we
6 would not demand that they record every possible
7 thing that occurred, especially in a critical
8 situation.

9 Q. In this situation, Doctor, how often should
10 the blood pressures have been taken, in your
11 opinion, in that first hour?

12 A. Oh, I think every 15 minutes at a minimum
13 would be expected.

14 Q. That would be the minimum to meet the
15 standard of care in your opinion?

16 A. That's right; that's right.

17 Q. Do you make any assumptions, Doctor, as to
18 whether or not blood pressures were taken on this
19 patient between 6:02 and 7:05?

20 A. Well, I didn't really make an assumption.

21 As I remember I did discuss this issue with
22 defense attorneys and they indicated that the
23 nurses had indicated that they took blood

1 pressures and verbalized them to the physician and
2 I still feel they should have recorded them.

3 But it's my understanding they were taken
4 and there was knowledge of what the blood pressure
5 was in between these two times you pointed out.

6 Q. And that's your understanding from defense
7 counsel?

8 A. Well, I also may have read something about
9 that in the deposition.

10 Q. Did you ever read any of the nurses'
11 depositions that have been taken in this case?

12 A. No.

13 Q. Doctor, let me have you assume for a minute
14 that there were no blood pressures taken on this
15 patient between 6:02 and 7:05; let's just make
16 that assumption.

17 Would that in your opinion meet an ordinary
18 reasonable standard of care under these
19 circumstances?

20 A. With no blood pressures taken?

21 Q. Right.

22 A. No. It would not.

23 Q. Doctor, on page 7 of the nurses' notes at

1 5:44 a.m. a bradycardia is indicated, is it not?
2 A. Yes.
3 Q. With that indication in the record, Doctor,
4 would you expect blood pressure to be anywhere
5 near normal, with a bradycardia at that point?
6 A. It certainly could be; sure
7 Q. It could be?
8 A. Oh yeah I wouldn't be able to make a
9 statement about the blood pressure. I think the
10 fact that brady is recorded there does indicate
11 that they were paying attention to the vital signs
12 because that number would have been known, it was
13 right on the monitor. Once again, the violation
14 is not recording it and I certainly agree with
15 that.
16 Q. It would have been right on what monitor?
17 A. See CM dash brady?
18 Q. Uh-huh.
19 O Cardiac monitor dash brady. Well, the
20 number, the brady 51, 48, whatever that number is,
21 would have been known. You can't look at a
22 monitor and see that it's a bradycardia without
23 also knowing the approximate rate.

1 Q. "ell. let's look at the strips. Are these
2 in here?

3 A. I don't remember seeing any.

4 Q. It looks like there s something on page 21.

5 A. Yeah; chose are strips; it's not a regular
6 cardiogram

7 Q. What is it?

8 A. What is what?

9 Q. What is this if it's not a regular
10 caraiogram?

11 A. Those are monitor strips.

12 Q. And if it's not a regular cardiogram, what
13 is it?

14 A. It's one-twelfth of a cardiogram; it's one
15 of the twelve leads on a cardiogram. It can be
16 any one of them that's appropriate for the time,
17 but a monitor strip - h a w syo;; o F of ~ h twelve
18 leads that taken on a full electrocardiogram.

19 So electrocardiogram looks at the heart
20 electrically from twelve different directions and
21 a monitor looks at the heart electrically from one
22 direction at a time.

23 Q. Let's look at page 22 of the chart. Is

1 that the same kind of strip as the one you just
2 described?

3 A. Right; it's a monitor strip. I don't know
4 what I said it is but I don't think that's relevant
5 Q. Any of these strips indicate bradycardia to
6 you?

7 A. Yes, they do.

8 Q. Which ones?

9 A. Page 21, the bottom one; and page 22 -- I
10 guess I'd have to measure it, but certainly the
11 third one down. The second one down is a relative
12 bradycardia.

13 Q. And where is the readout on this strip
14 you're talking about?

15 A. I guess I don't know what you mean by
16 readout.

17 Q. Would there be a readout at 58 or something
18 like that?

19 A. The personnel in the room could look at a
20 monitor screen, a television screen, in which this
21 would also appear and frequently on there is a
22 number that appears which indicates the heart rate.
23 I don't know what brand they have; I'm not saying

1 for sure that that is there, but it usually is.

2 Q. So it depends on the brand. There may be a
3 brand that doesn't produce that number on the
4 screen?

5 A. Right.

6 Q. And there may be brands that do?

7 A. Right.

8 Q. Or there are brands that do?

9 A. Right.

10 Q And you have no way of telling from this
11 chart which kind of monitor this was?

12 A. No. I have no way of knowing that.

13 Q. Doctor, sometime before 7:05 this patient
14 lost blood pressure; correct?

15 A. Well, it's possible that coincidentally it
16 could have been exactly at 7:05, so we don't know
17 the answer to that question.

18 Q. Is there any reason in this chart that you
19 know of to expect that this patient would have
20 lost blood pressure exactly at 7:05?

21 A. No.

22 Q. Is there any way, Doctor, for you to
23 presume or assume any blood pressure values at any

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1 time between 6:02 and 7:05?

2 A. Oh, certainly.

3 O Okay; what?

4 A. At 6:33 she said please stop.

5
6 didn't she?

7 A. Sure.

8 Q What does that remark indicate to you if
9 anything, Doctor?

10 A. She was verbalizing something. I really
11 can't interpret what's going on in her head. She
12 is hypoxic at the time and hypoxic people say all
13 kinds of things; and anxious. She could have been
14 saying please stop the problem with my breathing.
15 I don't know.

16 Q. That's the approximate time they were
17 attempting the right subclavian, isn't it,
18 according to the record?

19 A. Well, it's on the line above; it says 6:33
20 she said please stop. 6:36, right subclavian IV.

21 There's no way to know. It could have been
22 exactly as they were sticking her with the needle
23 and she said please stop.

1 it could have been two minutes before. The
2 process of recording, itself, takes time and
3 nurses do more than just record, so I can't answer
4 your question.

5 Q. Doctor, do you know whether or not any
6 central venous pressures were taken at any time?

7 A. I don't remember seeing any CVP report

8 Q. Are those recorded in much the same way
9 that blood pressures are recorded by the nurses?

10 A. Are they written down?

11 Q. Uh-huh; they're not in a chart or something
12 other than just handwritten by a nurse?

13 A. No, they would appear on the notes
14 intermittently, just like blood pressures do or
15 pulses do; you're right.

16 Q. What's the purpose of taking central venous
17 pressures?

18 A. Well, the idea of it is to give the
19 clinician some sense of the total blood volume in
20 the patient. If the central venous pressure is
21 exceedingly low normally it's safe to give the
22 patient more fluids, you're not going to overload
23 their system.

1 It also may be an indication of the fact
2 that that's the patient's problem. If the central
3 venous pressure is too high it can give you an
4 indication of impending heart failure or the fact
5 that the amount of fluids that are being given
6 should be decreased before you do the patient into
7 heart failure.

8 Q. In your opinion, Doctor, would central
9 venous pressure readings have helpful in treating
10 this patient?

11 A. No; I don't think they would have in this
12 case.

13 Q. Doctor, did you note anywhere in the record
14 that there was a complete blood count done on this
15 patient? Well, I haven't been able to find one; I
16 wondered if there's anything in there that
17 indicates that a complete blood count was done, to
18 you.

19 A. Let me check one place first.

20 Q. Okay.

21 A. And I tend to agree with you, I don't think
22 there was. No. I would say no.

23 Q. Would it in your opinion have been

1 appropriate to do a complete blood count on
2 this patient?

3 A. No. It would be inappropriate.

4 Q. Inappropriate? Why is that?

5 A. It doesn't add anything to the case; it
6 just increases costs and is a waste of time and
7 money.

8 Q. Well, from our discussion thus far, Doctor,
9 I'm safe in assuming, I think, it's your opinion
10 this patient did not suffer hypovolemic shock; is
11 that correct?

Absolutely correct

13 C Doctor, I'm sure you have noted and
14 discussed -- well, let's say I'm assuming you have
15 -- the co-oxymetry hemoglobin readings on page
16 20B and 20C of this chart. Are you familiar with
17 those?

18 A. Yes; I see *those*: 20B and 20C.

19 Q. Have you seen those before?

20 A. Yes.

21 Q. What if **anything** did those readings
22 indicate to you?

23 A. Well, there's two parts to them. The blood

1 gas part is consistent with her acute respiratory

2 --

3 Q. Well, for right now I'm just talking about
4 3.2 hemoglobin on 208 and 3.9 hemoglobin reading
5 on 20C.

6 A. That indicates, if that's accurate, that
7 the hemoglobin on whatever patient's being tested
8 is very, very low.

9 Q. Do you think the hemoglobin in this patient
10 was very, very low at 10:36 a.m. and 10:40 a.m.
11 respectively?

12 A. No.

13 Q. So you do not think those are valid
14 results?

15 A. Completely invalid; right.

16 Q. And what is the basis for your opinion,
17 Doctor, that those are invalid?

18 A. The patient came in with a reasonable blood
19 pressure at the beginning. The patient did not
20 have a history that I could get from anywhere in
21 the records that she had been losing blood
22 anywhere i.e., vomiting of blood or black, tarry
23 stools. There wasn't any history of her being

1 treated that I could remember of any severe anemic
2 problem.

3 And there's no evidence that I could see
4 anywhere in the record from any of the documents I
5 reviewed that there was any significant bleeding
6 anywhere during anytime in this case. And the
7 autopsy didn't show any bleeding.

8 So all this is not consistent with a
9 bleeding problem. There's no evidence for
10 bleeding.

11 Q. What is inconsistent in this record with a
12 bleeding problem?

13 A. What is inconsistent in this record?

14 Q. Uh-huh. What would rule it out in your
15 opinion in this chart?

16 A. Nothing in this chart; the autopsy.

17 Q. What is the autopsy would rule it out in
18 your opinion?

19 A. There was no major collection of blood
20 anywhere. She had a mediastinal hemorrhage, which
21 is common in CPR cases. And as I remember from
22 the X-ray readings, the patient did not have a
23 massive giant mediastinum which would indicate

there was three or four liters of blood in the

mediastinum.

Q. Can the mediastinum hold three or four

liters of blood?

A. Not and retain the same shape.

Q. But it can if it doesn't retain the same

shape?

A. If it occupies most of the chest then it's

possible for the mediastinum to retain lots of

blood. And we're talking about more than blood;

we're talking about fluid that was given.

See, if there's a theory that the patient

had an Iatrogenic, that is that a physician induced

laceration of an artery, causing hemorrhage, there

is no evidence that that existed.

Q. I understand, Doctor, it's your opinion

there's no evidence of that in this chart.

I'm asking you what in this chart or in the

autopsy report or anywhere else would rule that

possibility out?

A. Would rule it out?

Q. Uh-huh.

Q. There wasn't any significant blood found on

1 autopsy.

2 Q. Doctor, are you aware that this autopsy was
3 performed after embalming?

4 A. Uh-huh.

5 Q. And you would still expect to find blood on
6 autopsy after embalming?

7 A. Well, we found blood in the anterior
8 mediastinal hemorrhage. Are we saying that that
9 isn't true now?

10 Q. Doctor, you were talking about collection
11 of blood, you know, like a pooling of blood is
12 what I assumed. Is that correct?

13 A. Correct.

14 Q. Is it your understand that that's what was
15 found in the mediastinum on autopsy, a pooling of
16 blood?

17 A. No, not at all.

18 Q. It was blood in the tissues; right?

19 A. Blood in the tissues; right. But there
20 wasn't any blood in the chest wall because we put
21 in chest tubes and we didn't get any blood out,
22 any significant blood out. It might have been a
23 drop or two, but no significant blood.

1 So I don't find any source of blood in the
2 right chest cavity or the left chest cavity.

3 I don't consider the blood in the
4 mediastinum to be significant. And there was no
5 evidence of intra-abdominal bleeding.

6 And there would not have been enough
7 possibility to bleed in her brain enough to cause
8 that kind of low hemoglobin.

9 So I think the hemoglobin tests are
10 erroneous

11 Q. Doctor, you just said you don't consider
12 the blood in the mediastinum to be significant.
13 Can you tell me why that is?

14 A. Because, once again, the X-ray reports
15 didn't indicate a mediastinum that was wide.

16 And secondly, it is a very, very common
17 finding in patients like this. You do a little
18 CPR, you get a little mediastinal hemorrhage.

19 Thirdly, as I remember, the pathologist
20 didn't even say he thought it was a significant
21 amount of blood in the mediastinum.

22 So in this case it is a totally normal
23 mediastinum and with nothing in the chest and

1 nothing in the abdomen I find it very difficult to
2 manufacture a place where the blood could have
3 gone.

4 Q. Doctor, let's back up just a minute if we
5 could. I want to clear this up about the autopsy.

6 This patient had been embalmed prior to
7 autopsy?

8 A. That's my understanding.

9 Q. You would not under those circumstances
10 expect to find collections of blood in the body;
11 correct?

12 A. You wouldn't find a pool of blood, usually.
13 Although I'm not an embalmer, as I understand it
14 you usually would not find just a pool of blood
15 sitting somewhere.

16 Q. So even in a patient who had had
17 hemorrhage, even massive hemorrhage, you still
18 wouldn't expect to find pooling blood as evidence
19 of that on an autopsy after embalming; correct?

20 A. No; you're right. That's why the chest
21 tube not retrieving any blood makes the autopsy
22 report as regards the right and left chest
23 irrelevant.

1 Q. Doctor in your opinion did this patient
2 require administration of fluids?

3 A Well, in my opinion the patient required an
4 IV with some fluids. Beyond that I'm not sure
5 what you mean.

6 Q. Well, did she receive adequate fluid
7 administration in your opinion?

8 A. In my opinion yes, she did.

9 Q. Doctor, do you have an opinion as to
10 whether or not the ventilatory resuscitation or
11 respiratory care in this case met a reasonable
12 and ordinary standard of care?

13 A. Yes, I do.

14 Q. What in your opinion, Doctor, caused this
15 patient's death?

16 A. The patient died from status asthmaticus.
17 She came in acidosis and had a basically
18 refractory acidotic state. Her lungs were so bad
19 that her bronchospasm couldn't be reversed.

20 She was so bad she had to be intubated
21 right away. The literature supports the fact that
22 quite a number of patients with asthma who present
23 in this condition die, a high percentage die.

1 Q In hospitals?

2 A. Either in the emergency department or right
3 after admission. Now, that doesn't mean that
4 every asthmatic dies. It doesn't mean I've seen
5 ten today. Because most asthmatics do not require
6 intubation.

7 But those that do require intubation, there
8 is a significant and well known a d well
9 documented mortality. They just don't get better.

10 And the reason for that is that their cells
11 are not receiving enough oxygen and there's a
12 vicious circle: not enough oxygen produces
13 an aerobic metabolism, which is a nonoxygenated
14 metabolism, which produces more acid, which is
15 aggravated by the fact that it's harder to breathe
16 and exchange oxygen then, which produces more
17 bronchospasm, which produces less oxygenation,
18 which produces more an aerobic metabolism.

19 And you just can't reverse it in some
20 patients; and in this case it couldn't be reversed
21 and she died.

22 Q. Do you have any statistics, Doctor, that
23 you're aware of as to mortality rate on asthmatic

1 who require ventilation?

2 A. The statistics that I've heard are
3 somewhere between 10 and 20 percent, depending on
4 which study was done.

5 Q. Uh-huh. Can you give me an estimate,
6 Doctor, of how many asthmatic patients you have
7 treated who required intubation?

8 A. Probably five or ten over the years.

9 Q. Over your career?

10 A. Right.

11 Q. And how many of those five or ten didn't
12 make it?

13 A. I don't -- I can't give you that
14 information. I can give you information on the
15 last -- for my group, for the last year -- and
16 that is about as near as I can tell from anecdotal
17 evidence -- I didn't review every chart in this
18 hospital -- of the two patients that had to be
19 intubated one died.

20 Q. Did you treat that patient?

21 A. No, I didn't.

22 Q. Do you know anything about the patient?

23 A. Yes, I do.

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1 Q Tell me about the patient.

2 A. An 11-year-old black girl with asthma who

3 did not take her medicines very well who for

4 approximately a day prior to admission was more

5 and more short of breath and kept treating herself

6 with her inhaler again and again and again. And

7 then finally came in.

8 She presented to the emergency department

9 much like this patient presented. She was

10 intubated in the emergency department. We were

11 able to maintain her blood pressure She was

12 given all the medications.

13 She was admitted to pulmonary intensive
14 care and was dead the next day. Nothing worked.

15 Q. How often did you monitor her blood
16 pressure in the emergency room when she came in
17 much like this patient?

18 A. I don't remember that particular part of
19 the chart. I don't even remember the patient's
20 name, but I would guess her blood pressure was
21 taken no less than every 15 minutes.

22 Q. And written in the chart?

23 A. That I don't know. I'd be happy to look it

1 up we can mistakes, too but I don't know.

2 Q. If you'll give me your notes just a minute,

3 Doctor

4 Doctor, just as soon as I of an aside here or a
5 hypothetical, in light of your opinions, which I
6 understand, how do you treat hypovolemic shock
7 when you do think it's there?

8 A. Assuming the hypovolemia is from blood loss
9 which we're almost always talking about, you need
10 to have intravenous access. You want the most
11 effective, most appropriate access you can get,
12 which varies from patient to patient.

13 And you want to replace fluids immediately
14 with -- basically we use either Ringer's lactate
15 or normal saline -- and at the same time request
16 some blood product as fast as you can request it,
17 and that depends on the patient's condition.

18 If they're really dying right then you give
19 them O negative blood, if you have it. If they're
20 -- if you have some time you might be able to get
21 their blood typed and crossed so that you give
22 blood that's compatible with their own blood. It
23 really is a judgment based on how seriously ill

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1 you think the patient is and how quickly they
2 might or might not die.

3 Q. The important thing is to get blood back in
4 if it's been lost; correct?

5 A. If it's been lost; right and to buy some
6 time.

7 Q. Do you know why, Doctor, this particular
8 patient was given plasminate?

9 A. No; that I can't really answer for you.

10 Q. You wouldn't have given this patient
11 plasminate?

12 A. No, I can't answer that either. At the end
13 of a case like this you will do almost anything,
14 try most anything. Perhaps they felt that an
15 extra burst of fluid would help her because she
16 was losing -- you know, when you're having an
17 asthma -- and the bronchoscopy showed all that
18 fluid has a high protein in it they may have
19 thought it might help to add some protein so that
20 would be in the plasminate ay^o that was their
21 thinking I don't know.

22 Q. Doctor, do you have an opinion on the blood
23 gases we talked about on page 20 B and C and the

1 co-oximeter report as to whether those samples --
2 well, let me back up here a minute.

3 The information in the top half of the
4 blond gas analysis is just that, an analysis of
5 the gases.

6 Underneath, from the same blood sample, the
7 machine tests certain other things; is that
8 correct?

9 A. Yes.

10 Q. Do you have an opinion whether the blood
11 gas result on page 20B was arterial blood or
12 venous blood?

13 A. I would say on 20B it would be more likely
14 to be arterial blood.

15 Q. Is it possible for it to be venous blood,
16 for that particular result to be venous?

17 if A. Well, I guess all things are possible, but
18 I have never seen that high of a PO2 in venous
19 blood.

20 Q. So it's highly unlikely, is it not?

21 A. Highly unlikely I would say; yes.

22 Q. What about 20C?

23 A. That one, which was just a few minutes

1 later, certainly could be venous because the PO2

2 is so low and the CO2 is so high and it occurred

3 fairly close to the other one, not too long after

4 Q. So is it more likely in your opinion that

5 that this is venous sample on 20C?

6 A. Yeah, I'd have to say the likelihood is
7 that it probably was venous.

8 Q. Now, Doctor, you indicated that -- well,
9 let's go back to 203. You indicated that you don't
10 think 3 2 hemoglobin is correct?

11 A. Right.

12 Q. What does the next figure, 97.8, what is
13 that figure?

14 A. I think that refers to saturation.

15 Q. Do you think that's correct.

16 Q. That one could be. I think it's a
17 different calculation so it doesn't have as much
18 to do with the dilution of the hemoglobin that
19 they measured, the saturation; I don't think it'd
20 be relative to high or low hemoglobin.

21 Q. Was there any reason in this chart, Doctor,
22 that would make you think -- is there anything in
23 the chart that would make you think the 97.8

1 saturation is not correct?

2 A. No, not particularly; it's also consistent
3 with the other test just above it.

4 Q. What about the 2.3; what is that
5 designation for?

6 A. I think that's a percentage of
7 carboxyhemoglobin.

8 Q What does that mean?

9 A. The hemoglobin -- of any hemoglobin found,
10 how much of that hemoglobin has got carbon
11 monoxide bound to it.

12 Q. Do you think that figure's correct?

13 A. It probably -- it's essentially zero and
14 the answer is there isn't any and the machine
15 happened to print out 2.3. I don't know what it
16 means; I don't know why he would test for it and I
17 don't know what its relevance would be. I have no
18 experience with the machine; it could show 2.3 on
19 every patient; I just don't know.

20 Q. What is the calculation they're doing when
21 they get a zero on that test?

22 A. I don't know.

23 Q. Well, that makes me feel better. What is

1 the calculation they're doing when they get a 4.4?

2 A. Oh, I'm sorry; I thought you were back to
3 carboxyhemoglobin. The zero just below that?
4 That's methemoglobin.

5 Q. That's what?

6 A. Methemoglobin. m-e-t-h.

7 Q. Okay.

8 A. That's another abnormal kind of hemoglobin
9 that you would get if you happen to be taking a
10 lot of nitrates; it's a toxicology situation. It
11 occurs in industry and in various bizarre
12 circumstances and is a toxic result of the
13 treatment for arsenic poisoning. But you would
14 expect it to be zero on almost everybody. I
15 didn't even know they were included on something
16 like this.

17 And the last one, volumes per cent O2, I
18 don't know exactly what that means.

19 Q. RR at the bottom, is that --

20 A. Respiratory rate?

21 A. -- respiratory rate?

22 A. Uh-huh.

23 Q. Now, how can it be measured through the

1 blood or is that just someone noted that the
2 respiratory rate was 16 and wrote it down there?

3 n.

4 If O2 is 100 percent, somebody would write down
5 that the patient was on 100 percent oxygen.

6 t

7 or this machine would spit out accurate
8 information on everything but the hemoglobin
9 level?

10 A. Sure. Machines do that all the time
11 because it's an internal calculation and the
12 particular one depends on dilution. I could see
13 where, since the hemoglobin is the only one of
14 these things that really depends on the dilution
15 of it, it's certainly obvious to me that that
16 could be the one that could be wrong.

17 Q. And it's wrong again on page 200 in your
18 opinion on the venous sample as well?

19 A. In my opinion they're consistently wrong.

20 Q. Does that mean the machine is not operating
21 properly in your opinion?

22 A. I can't answer that question. I don't know
23 how the machine works.

1 Q. Well, would that occur if the machine were
2 operating properly?

3 A. I would guess not if it's supposed to
4 record hemoglobin. It doesn't record it in the
5 same way that the other, the actual hemoglobin
6 test does it. It's in a different kind of activity
7 in the machine. I'm not sure of the physics of
8 how the machine works, though, but I know it's
9 different. So I would guess if the machine's
10 working properly it's going to give you an
11 accurate answer assuming, of course, that the
12 sample's been taken accurately and the dilution's
13 been made accurately. Human factors have to be
14 good, too.

15 MS. STOCKLIN: If it's all right with
16 everyone I'd like to take just five
17 minutes and I think I'm about ready to
18 finish up.

19 (Recess taken.)

20 Q. Doctor, do you have an opinion as to why
21 this patient lost blood pressure?

22 A. Yes.

23 Q. What is it?

1 A. It is not uncommon to have precipitous or
2 sudden blood pressure drops in patients that are
3 essentially terminal because of a irreversible
4 acidosis. All their cells don't function right,
5 specifically their heart and blood vessel wall
6 cells cause constriction of the blood vessels
7 which maintains our blood pressure.

8 And with no cells able to perform
9 appropriately then you don't have normal muscle in
10 the blood vessel and you can have a sudden and
11 precipitous relaxing of the blood vessels which
12 causes the blood pressure to drop.

13 Occasionally you can temporarily overcome
14 that by massive infusions of medications, so
15 you'll see a situation where a patient has a
16 fairly good blood pressure, suddenly no blood
17 pressure, pressure comes up again, but in almost
18 every one of those cases I've ever seen, if that's
19 what's happening, demise is the end result.

20 Q. Doctor, obviously this patient did not make
21 it. Do you have an opinion as to when -- well,
22 let me ask you this.

23 Is it your opinion that when this patient

1 got to the ER that morning she was not going to
2 make it?

3 A. No.

4 Q. No matter what?

5 A. No.

6 Q. You don't have that opinion?

7 A. I don't have that opinion; no.

8 Q. What if anything in your opinion done or
9 happening differently would have made the outcome
10 different?

11 A. Nothing. Let me explain those two
12 statements.

13 Q. I think you'd better

14 A. You ask when she came to the emergency
15 room, and I would say, it would be my opinion that
16 as soon as she did not respond to the first two
17 medications given then that was now inevitable that
18 she just wasn't going to make it.

19 So we're real close --

20 Q. So what time was that?

21 A. Oh I'll look that up for you but I will

22 s , ahead time. I will get that for you.

23 I'll get that for you.

1 I will tell you that a patient who comes in
2 like this and does not respond quickly to
3 bronchodilator medication and who needs an
4 endotracheal tube is pretty much not going to make
5 it.

6 Q. Well, Doctor, are most asthmatic patients
7 administered an endotracheal tube if they're
8 responding quickly to bronchodilators?

9 A. No, they are not.

10 Q. There's no reason to put them on the
11 ventilator or --

12 A. Right.

13 Q. If they're responding'?

14 A. Right.

15 Q. Well, if they're not responding then and
16 they are intubated and bagged or ventilated, even
17 by your calculations 75 to 90 percent of the make
18 it; right?

19 A. I don't remember making any calculations
20 like that. I said there was a high mortality rate
21 in that group of patients.

22 Q. High, 10 to 20 percent?

23 A. Right.

1 Q. If I recall what you said?

2 A. Yeah; and that's true. But you asked me
3 about this specific patient, when did I feel, in
4 this patient, that it was inevitable that she was
5 going to die. And I tried to go back and you said
6 when she first arrived? And I said no, I wasn't
7 sure it was inevitable then.

8 But once she didn't respond to the
9 medication and had to be intubated, then it seemed
10 that it would be inevitable and that's when -- if
11 I could place a time on it, that's when I would.

12 Q. So in your opinion, Doctor, there was -- it
13 was not -- why put her on a ventilator, why
14 intubate her? I mean, your expectation is that
15 that's going to help, isn't it?

16 A. Your expectation is that you need to do
17 that next because you need to have better control
18 of the airway. You want to be able to force air
19 into the patient's lungs.

20 Q. Is there any evidence in your opinion,
21 Doctor, whatsoever in this chart, is there any
22 indication of hypovolemia in this patient?

23 A. No; I never saw any indication of any

1 evidence of hypovolemia.

2 Q. Why do you think this patient went into
3 bradycardia at 6:30-whatever it was, 6:38?

4 A. Well, there's three possibilities and my
5 answer would be probably a combination of all of
6 those.

7 Number one would be the fact that she was
8 acidotic and so the cardiac cells that control
9 rhythm are going to be unstable and more sensitive
10 to external stimuli.

11 Number two, I think by that time she had an
12 endotracheal tube and it is well known that the
13 insertion of an endotracheal tube can cause what's
14 known as a vagal stimulus and slow the heart rate.

15 As a matter of fact, anesthesiologists on
16 elective intubations pretreat patients for that
17 problem.

18 Number three is that the patient may -- and
19 I don't know this for sure -- may or may not have
20 a subclavian inserted about that time and the pain
21 response may have been enough to produce a
22 bradycardia.

23 I guess this is a combination of all three.

1 If she was well and had had the IV inserted she
2 would not have had a bradycardia.

3 If she was just lying there in acidosis and
4 nobody was touching her she probably wouldn't have
5 had the bradycardia, but all three stimuli at once
6 predisposed her to a sudden slowing of heart rate.

7 Q. Would you expect epinephrine given on three
8 different occasions prior to that bradycardia to
9 cause the pulse rate to go up?

10 A. Well, one of the normal reactions to
11 epinephrine is indeed to stimulate the heart rate
12 to go up. But that is in an animal or human model
13 that is not this terribly acidotic.

14 The reactions, the response to epinephrine
15 can be variable. As a matter of fact, one of the
16 concerns is how much of her own epinephrine was
17 already in her system from her adrenal glands.

18 And whether or not -- one of the reasons the
19 epinephrine may not be as effective as you want it
20 to is that she already has as much as she can get
21 into her system from her adrenal glands

22 Now you certainly treat 'cause you don't
23 know that. There's nothing wrong with treating.

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1 you have to do it.

2 But that could be -- and we'll never know
3 -- could be one of the reasons that she didn't
4 respond very well to that.

5 If that's so then adding more is not going
6 to change the heart rate. I guess that's a long,
7 long answer to your short question.

8 Q. It appears that she was being bagged and
9 receiving ventilatory support from about 6:20 on
10 through a nasal --

11 A. Nasal tracheal tube.

12 Q. -- tracheal tube; correct?

13 A. Yeah.

14 Q. Do the blood gases, Doctor, on page 173,
15 indicate to you in any way that she was responding
16 somewhat to those ventilation efforts?

17 A. Well, the first is timed at 5:46 which
18 shows a PH of 7.38, a PO of 2.21 and a PO2 of 267
19 indicates that she is responding positively to the
20 therapy at that point.

21 Q. And turning to page 21, strip at the bottom
22 of page 21, what does that indicate to you?

23 A. Well, it's a slow heart rate. I can't tell

1 you whether this rhythm is nodal, what's called =

2 nodal rhythm, or a sinus rhythm. I think it's

3 probably nodal. I just can't tell whether that

4 little squiggle is a P wave or not. But it's a

5 cardiac rate, probably around 40, 45 beats per
6 minute.

7 Q. Would that strip be consistent with

8 ischemic changes in your opinion?

9 A. In my opinion that question is not relevant
10 because -- I'm not trying to be smart -- but
11 strips should not ever be interpreted as having
12 anything do or not do with ischemic changes.

13 Ischemic changes are read on ST segments and the
14 only valid testing for that is the 12 lead
15 electrocardiogram. The strips notoriously have no
16 relevance to ischemia or nonischemia

17 Q. We have no way -- correct me if I'm wrong
18 -- but I don't think we have any way of telling
19 what this young woman's blood pressure was at 6:45
20 or 6:50; do we? That's during the period of time
21 we don't have any notation.

22 A. We'd have to get anecdotal evidence for
23 that.

1 Q You mean you think there may be --

2 A. 6:45?

3 Q. Uh-huh

4 A. No, there's not even a note of any kind at
5 6:45, so no.

6 Q. Well, at any time around there, 6:50, 6:48;
7 isn't that during the hour we don't have any
8 recordings?

9 A. Yes; all we could say is her please stop
10 comment indicates that she had a pressure that was
11 high enough to profuse her brain and the
12 literature indicates that's about 60 millimeters
13 of mercury or above.

14 Q. When you say we'd have to get anecdotal
15 comments, Doctor, you're assuming that someone who
16 was there might remember three years ago what her
17 blood pressure was at 6:45?

18 A. No, I'm not making that assumption. I'm
19 just saying that's the only other way I know to
20 get it if it's not down here is to ask somebody if
21 they remember.

22 Q. There's a point here where her blood
23 pressure reading, if I recall, on page 10 at 9:37,

1 her blood pressure reading appears to be 110 over
2 95; correct?

3 A. Right.

4 Q. Do you have any opinions, Doctor, as to why
5 they were getting a blood pressure reading at that
6 point?

7 A. Nothing other than what I already mentioned
8 about the -- in patients who are in serious
9 distress with very acidotic cells you will see
10 appearances and disappearances of blood pressures
11 and pulses just in the space of minutes and
12 seemingly unrelated to any therapy.

13 Sometimes -- they show no blood pressure and
14 you give them some medication and it won't change;
15 other times it'll jump up to normal within seconds
16 and then disappear again.

17 I guess it's part of our -- what we observe
18 in patients that are dying. But I can't be
19 specific on that.

20 Q. It's not your opinion then I take it that
21 the fluid challenge that she had at the same time
22 had anything to do with it?

23 A. Well, what I don't know is was this taken

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1 right after the fluid challenge or not. If it
2 were taken right after I would say that it would,
3 even then it would probably not have anything to
4 do with it.

5 Q. Wouldn't be related at all?

6 A. No; because we have zero beforehand and
7 then 116 over 95, so I don't think it would have
8 anything to do with it.

9 Q. So it's just sort of one of those
10 unexplainable things that occurs in acidotic,
11 dying patients?

12 A. Yes; it's explainable, but it's explainable
13 based on cellular physiology.

14 Q. Why would it have been important to you,
15 Doctor, as you said earlier, to monitor this blood
16 pressure every fifteen minutes or less in this
17 particular patient?

18 A. Well, for the same reason it would be in a
19 very, very sick patient. You want to give the
20 patient the best you can and you want as much
21 information as you can that's reasonable about the
22 patient that relates to what you're doing. And in
23 a patient that's this sick the most important

1 parameters to follow are the vital signs, second
2 only to the observation of the patient. Looking
3 at the patient and seeing that she's changed may
4 precede any vital signs.

5 Q. Seeing what is happening clinically and
6 then seeing if that's --

7 A. Good numbers, that's correct.

8 Q. Let's assume -- on top of, Doctor, just the
9 individual blood pressure readings, isn't it true
10 that if you have a chart of blood pressure
11 readings written ever ten or fifteen minutes you
12 can see a pattern --

13 A. That's correct.

14 Q. -- of what's going on with your patient,
15 can't you?

16 A. Right, and single, isolated blood pressures
17 should be taken with a grain of salt, so to speak.
18 You need a pattern before you can decide you need
19 to change your therapy.

20 Q. So that's an important consideration that
21 you have to make before you make certain treatment
22 decisions?

23 A. Right.

1 Q. Well, then that's even more important in a
2 patient that's this ill, isn't it?

3 A. That's right.

4 Q. Is it your opinion, Doctor, that there was
5 no laceration or sticking of any vessel with the
6 attempts at subclavian lines and jugular lines, et
7 cetera, in this patient?

8 A. You certainly can't put in a subclavian
9 without sticking a vessel, so it's not my opinion
10 that there wasn't any sticking of a vessel. There
11 certainly had to be or you wouldn't have gotten a
12 line in in the first place.

13 Q. Uh-huh.

14 A. It's my opinion that if there were extra
15 puncture wounds or lacerations to any blood
16 vessels that those did not cause any significant
17 bleeding and had no relationship to the outcome of
18 this patient.

19 Q. Do you have any opinion, Doctor, as to what
20 her hemoglobin level probably was, since you don't
21 think it was what was reflected here?

22 A. All I can say is that most asthmatics who
23 are chronic asthmatics have a high hemoglobin

1 level

2 Q. A high hemoglobin level?

3 A. Uh-huh.

4 Q. Why is that?

5 A. It's the body's response to being
6 chronically low on oxygen. Just as if you lived

7 in Denver your hemoglobin level would be higher

8 than if you live in Dayton or Toledo.

9 Q. What's the normal range for a female?

10 A. I'd have to look that up again.

11 Q. Can you tell me how much higher it would be
12 normally in an asthmatic?

13 A. If a female normally would be, say, 14, in
14 an asthmatic it would not be unusual to see one at

15 16

16 Q. So just one level or so?

17 A. Correct.

18 Q. Doctor, at 7:58 on the chart we see a blood
19 pressure of 136 over 113?

20 A. Yes.

21 Q. Does that blood pressure have any
22 particular significance to you and if it does
23 would you tell me what it is?

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1 A No, there's no particular significance to
 2 other than that if a man's
 3 significance to the physicians who were there
 4 watching the patient at that time having a reported
 5 blood pressure of 136 over 113 would have a
 6 feeling that they might be headed in the right
 7 direction for a few seconds. That's pretty
 8 subjective; I can't say anything more than that
 9 about it.

10 Q How long does it take to put in a chest
 11 tube?

12 A Oh, five minutes, maybe.

13 Q How is it done?

14 A There is usually some preparation of the
 15 skin, depending on how fast you have to put it in
 16 and that's basically merthiolate or alcohol or
 17 something cleansing the skin. Then if the patient
 18 is conscious you inject a small amount of local
 19 anesthetic under the skin in the appropriate
 20 place. You make a nick with a scalpel blade to
 21 incise the skin and then you take an instrument to
 22 open up the hole bluntly and we call those either
 23 Kelly's or Coker's or any of the blunt suture-like

1 instruments that don't cut anything. Stick it in
2 the hole and open it so it spreads the wound open.

3 And then either using that instrument and
4 pushing, you pop into the chest wall by actually
5 making a hole in the lining of the inside of the
6 chest. Or some operators will take a chest tube
7 and clamp it to the instrument and push it with
8 the chest tube and the instrument at the same
9 time. Others will do something even more barbaric
10 and use a very, very sharp stilette which goes
11 inside the chest tube and push with that and
12 that'll pop through and then slide the chest tube
13 over that piece of metal so the chest tube alone
14 goes into the chest.

15 So there's a number of ways of doing it.
16 It's not terribly complicated. It requires I
17 guess a certain amount of gutsiness and being
18 used to it before you do it.

19 Q. Do you have any opinions at all, Doctor,
20 regarding the fact that Dr. Rank left the
21 emergency room when this patient had no blood
22 pressure at all?

23 A. No, not really. I wasn't there at the time

1 and I can foresee that at times that would be
2 perfectly reasonable.

3 Q. Like when?

4 A. Well, if Dr. Rank felt that his role in
5 that case had been fulfilled and he was only going
6 to be the chest tube inserter and that the case
7 was being handled by other physicians it certainly
8 would be all right for him to leave, especially
9 when the chest tubes did not drain blood. As a
matter of fact, I think that's another supportive
piece of evidence. The thoracic surgeon puts in
12 a chest tube, finds no evidence for further
13 thoracic surgical intervention, it's okay to
leave.

15 Q. Doctor, back to the 6:45 blood gases, 17B,
16 I believe, it indicates at the bottom ambu?

17 A. Yes.

18 Q. Does that mean since she had the nasotrach
19 in at that that someone's bagging her through the
20 nasotrach?

21 A. At that time, yes; that's the way I would
22 interpret that

23 Q. And you had said earlier these blood gases

1 do reflect that there was some response to that
2 ventilatory therapy?

3 A. Right.

4 Q. Is it the response you would expect to see
5 in a sick asthmatic patient who was being
6 ventilated?

7 A. Well, in general, yes, I would expect to
8 see that once you've ventilated a patient, if they
9 were sick you'd see an improvement in the PH and I
10 think there was something else going on at the
11 same time, though, and let me double check that
12 before I finish my answer.

13 This is 6:46 and at 6:44 there were two
14 amps of bicarb given; the major thing to look for
15 is a change in PH and giving the bicarb, if that
16 had been in the circulation for a minute or so
17 would have elevated the PH quickly, enormously,
18 it would go right up. The blood gas taken two
19 minutes later might be way back down again.

20 So I guess I have to say putting everything
21 all together it's not that surprising. 250 is a
22 little high but it depends on how much dissolved,
23 oxygen was dissolved in the serum and you can

1 dissolve more if you put it under higher pressure,
2 so it all relates to how much ampule pressure
3 there was. Certainly there had to be some or you
4 wouldn't have had the pneumothoraces.

5 Q. Dr. Janiak, after the next most previous
6 blood gases which were done at apparently 6:10 in
7 the morning the blood gases that you see at 6:45
8 would have been reassuring to you, wouldn't they?

9 A. I would feel better; sure.

10 Q. And Doctor, the next blood gases which the
11 printout at the top on page 17C says 6:54; again in
12 those blood gases the oxygen level is remaining
13 well up, is it not, and the CO2 level remaining
14 low?

15 A. Very low; right.

16 Q. We don't know what the PH is there?

17 A. I think it's 8.

18 Q. Is that what that means?

19 A. My guess is that it's 8.

20 Q. That the PH is 8?

21 A. Yeah; that's the way I interpreted that.

22 Q. Well, how would you interpret an 8 PH?

A. I probably still would not be too

1 ordinary standards of care in this case.

2 Are there any opinions that you intend to
3 testify on at the trial of this case that we have
4 not discussed that you hold?

5 A. No, I don't think so. I certainly don't
6 have any now and if I get one I'll let you know.
7 But I have nothing else.

8 MS. STOCKLIN: I don't think I've got
9 anything else then. I certainly
10 appreciate your time today, Doctor.
11 . (Deposition concluded and signature
12 waived at 1:30 p.m.)

13
14
15
16 C E R T I F I C A T E

17 STATE OF OHIO)
18) SS.
COUNTY OF LUCAS)

19 I, Megan Gallagher, a Notary Public in
20 and for the State of Ohio, duly commissioned
21 and qualified, do hereby certify that the
22 within named witness, BRUCE D. JANIAK, M.D., was
23 by me first duly sworn to tell the truth, the

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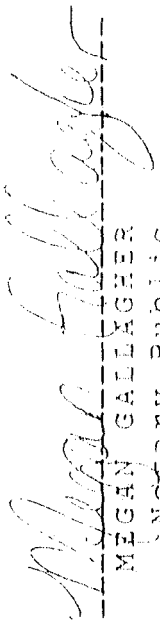
419/243-4251

1 whole truth and nothing but the truth in the
2 cause aforesaid; that the testimony then given
3 by him was by me recorded on audio cassette in
4 the presence of said witness afterward
5 transcribed upon a word processor, and that the
6 foregoing is a true and accurate transcription
7 of the testimony so given by him as aforesaid.

8 I do further certify that this deposition
9 was taken at the time and place in the foregoing
10 caption specified and was completed without
11 adjournment.

12 I do further certify that I am not a
13 relative, counsel, or attorney of any party or
14 otherwise interested in the event of this
15 action.

16 IN WITNESS WHEREOF, I have hereunto set
17 my hand and affixed my seal of office at Toledo,
18 Ohio, on this 21st day of June, 1989.

19
20
21 
22 MEGAN CALLAGHER
(Notary Public
in and for the State of Ohio

23 My Commission expires January 29, 1994.

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(419) 243-1111

CURRICULUM VITAE

Name: BRUCE DAVID JANIAK, M.D.

Office Address: The Toledo Hospital
Department of Emergency Medicine
2142 N. Cove Blvd.
Toledo, OH 43606

Office Phone: (419) 471-4111

Home Address: 30267 Hickory Hill Drive
Perrysburg, Ohio 43551

Home Phone: (419) 666-3130

Date of Birth: January 12, 1943

Place of Birth: Cleveland, Ohio

Marital Status: Married
Wife: Michele Children: Tim, Tracy, Adam, Sarah,
Matthew, Lauren

EDUCATION:

Undergraduate: Marietta College, Marietta, Ohio - AB 1965

Medical School: University of Cincinnati, Cincinnati, Ohio - MD 1969

Internship: Rotating, Cincinnati General Hospital 1969-1970

Residency: Emergency Medicine, Cincinnati General Hospital 1970-1972
Cincinnati, Ohio

MILITARY:

United States Navy 1972-1974
Director, Emergency Medical Services
Pensacola Naval Hospital, Pensacola, Florida

PRESENT POSITION:

Director, Department of Emergency Medicine
The Toledo Hospital, Toledo, Ohio Since 1974

TEACHING APPOINTMENTS:

In Military: Lecturer, EMT - Pensacola Junior College, Pensacola, Florida

Lecturer, EMT - One week state approved course for corpsmen
leading to an EMT certificate.

PAGE 2

TEACHING APPOINTMENTS (CONT'D):

In Military: Preceptor - Student physician's assistant. Pensacola, Florida

Instructor - Family Practice Residency, U.S. Naval Hospital,
Pensacola, Florida

Director of Medical Student Clerkships in Emergency Medicine
The Toledo Hospital, Toledo, Ohio Since 1974

Clinical Instructor, EMS, Dept of Surgery, Medical College
of Ohio at Toledo, Toledo, Ohio 1975-1978

Clinical Assistant Professor, EMS, Department of Surgery
Medical College of Ohio at Toledo, Toledo, Ohio - 1979-1984

*Clinical Associate Professor, EMS, Department of Surgery,
Medical College of Ohio at Toledo, Toledo, Ohio Since 1984

Associate Director, St. Vincent/Toledo Hospital Emergency
Medicine Residency Program 1979-1983

L I C E N S U R E:

Ohio	August 1969	License #31814
Michigan	April 1984	License #47078
Florida	1972	Inactive

ACTIVITIES:

Miscellaneous:	Escambia County (Florida) Emergency Medicine Services Council	1972-1974
----------------	---	-----------

American Trauma Society (Local Chapter inactive after Spring 1976)

- | | | |
|----|--|------|
| 1. | Founding Member | 1975 |
| 2. | Board of Directors, N.W. Ohio Chapter | 1975 |
| 3. | Professional Education Committee,
N.W. Ohio Chapter | 1975 |

Medical Advisory Board for Kidney Foundation 1976-1980

Regional Emergency Medical Services of N.W. Ohio 1977-1978

Paramedic Advisory of the School of Allied Health
of the Medical College of Ohio at Toledo -
alternate member

* Please do not use this appointment as a citation in any brochure.

ACTIVITIES (CONT'D):

Ohio Chapter ACEP:

- | | | |
|-----|---|-----------|
| 1. | Member, Board of Directors | 1975-1981 |
| 2. | Alternate Counselor from Ohio | - 1977 |
| 3. | Counselor from State of Ohio | 1976-1980 |
| 4. | Asst. Program Director,
Annual Scientific Assembly | 1976-1977 |
| 5. | Secretary- | 1977-1978 |
| 6. | President-Elect | 1978-1979 |
| 7. | Legislative Committee | 1979-1980 |
| 8. | President | 1979-1980 |
| 9. | Chairman, Legislative Committee | 1980 |
| 10. | Chairman, Ad Hoc Committee on Reimbursement | -1980 |
| 11. | Program Chairman, 1982 Scientific Assembly | 1981-1982 |

National ACEP:

- | | | |
|-----|---|----------------|
| 1. | Member | Since-1972 |
| 2. | Graduate/Undergraduate Education Committee | 1977-1981 |
| 3. | Participant, President's Emergency Medicine
Futures Workshop | -
1979-1980 |
| 4. | Liaison Residency Endorsement Committee,
Residency Reviewer | -
1977-1979 |
| 5. | Vice-Chairman, Graduate/Undergraduate
Education Committee | -1979 |
| 6. | Steering Committee of the Council | 1979-1980 |
| 7. | Board Nominating Committee, Member | 1980 |
| 8. | Chairman, Graduate/Undergraduate Education
Committee | -
1980-1981 |
| 9. | Board Nominee | -1980 |
| 10. | Member, Board of Directors | 1980-1986 |
| 11. | Chairman, Section of Clinical Care | 1980-1981 |
| 12. | Secretary-Treasurer | 1981-1982 |
| 13. | Participant, 1982 Committee Chairman Workshop | -1982 |
| 14. | Vice-President | 1982-1983 |
| 15. | Chairman, Section on Association
Administration | -
1982-1983 |
| 16. | Chairman, Ad Hoc Committee on Liaisons | -1983 |
| 17. | President-Elect | 1983-1984 |
| 18. | President | 1984-1985 |
| 19. | Chairman, Management Publications Editorial
Board | -
1987-1989 |
| 20. | Member, Blue Ribbon Commission | 1985-1987 |

American Board of Emergency Medicine:

- | | | |
|----|---|----------------|
| 1. | Board Examiner | 1981-Present |
| 2. | Oral Examination Test Development Committee | 1981-1982 |
| 3. | Member, Board of Directors | 1986-1990 |
| 4. | Member at Large, Executive Committee | 1987-1989 |
| 5. | Member, ABEM ABIM Task Force on
Joint Residency Training | -
1987-1988 |
| 6. | Member, ABEM ABP (Pediatrics) Task Force | -1988 |
| 7. | Secretary Treasurer | 1988-1989 |

ACTIVITIES (CONT'D):

American Medical Association:
1. Member, Residency Review Committee in
Emergency Medicine 1981-1983
Since 1986
2. Delegate, Section Council on Emergency
Medicine 1983-1984

American Board of Medical Specialties:
1. Member, Bylaws Committee 1987-1988

Lucas County (Ohio) Emergency Medical Services Council 1974-1982

Ohio Hospital Association:
1. Member Since 1976
2. Secretary to Section on Emergency
Medicine 1978-1979
3. President to Section on Emergency
Medicine 1979-1980
4. Member, State Legislative Committee 1980-1981

*Society of Teachers of Emergency Medicine:
1. Member Since 1978
2. Officers Nominating Committee 1979

The Academy of Medicine of Toledo & Lucas County:
1. Member Since 1976
2. Commissioner Community Health Commission 1981

The Toledo Hospital:
1. Member, Active Staff Since 1976
2. Member, Executive Committee Since 1976
3. Member, Medical Education Committee Since-1976
4. Member, Safety Committee 1976-1982
5. Member, Quality Assurance Committee 1976-1987
6. Chairman, Disaster Relief Committee 1976-1981
7. Chairman, Kellogg Cost Containment Project 1981-1984
8. AMA Representative, Hospital Medical
Staff Section 1983-1985

University Association for Emergency Medicine:
1. Member Since 1975
2. Member, Scoring Committee Member 1986-1987

American Heart Association:
1. Certified Instructor/Trainer in Basic
Cardiac Life Support 1977-1982
2. Certified Instructor/Trainer in Advanced
Cardiac Life Support 1978-1982
3. National Affiliate Faculty Member
Emergency Medicine in 1988. 1979-1982

MEMBERSHIPS: American Medical Association
Academy of Medicine of Toledo and Lucas County
University Association for Emergency Medicine
American Academy of Medical Directors
American College of Emergency Physician
American Board of Emergency Medicine
Ohio Chapter, American College of Emergency Physicians

PUBLICATIONS

Janiak, Bruce D., "What to Do Until the Real Doctor Comes"
Emergency Medicine, June 1972

Janiak, Bruce D., "Cost Effectiveness and the Emergency Physician"
OSMA Journal, August 1980

Coordinating Editor, Practical Reviews in Emergency Medicine Since 1980

Janiak, Bruce D., "A hospital emergency department is still best for
acute care" Patient Care, October 30, 1982

Spiro, Mark J., Janiak, Bruce D., "Spontaneous Rupture of the Sigmoid
Colon in a Patient with Ehlers-Danlos Syndrome" Annals of Emergency
Medicine, October 1984

Gray, B. K., Janiak, B., "Urgent Care Centers" Archives of Emergency Medicine,
1985, Vol. 2

Janiak, Bruce D., "Role of the Medical Director" and "Case Study F"
The Hospital Emergency Department: Returning to Financial Viability.
American Hospital Association

Howard, Mark, Carrubba Catherine, Foss, Frank, Janiak, Bruce, et al
"Interposed Abdominal compression - CPR: It's Effects on Parameters of
Coronary Perfusion in Human Subjects, Annals of Emergency Medicine, March
1987

MISCELLANEOUS

Partner, Emergency Management Consultants 1981-1988
President, Professional Emergency Services, Inc
President, EMB Professionals, Inc.
Medical Director, Northwest Ohio Region HMP
(Health Maintenance Plan & HMO) Since 1988