

STATE OF OHIO,)
COUNTY OF LORAIN.) SS :

IN THE COURT OF COMMON PLEAS

HUBERT PORTER, Administrator)
of the Estate of Brad Porter,)
deceased,)
)
Plaintiff',)
)
vs.) Case No. 96CV115689
)
MANHAL A. GHANMA, M.D.,)
et al.,)
)
Defendants.)

- - - - -
THE DEPOSITION OF E.F. KLEIN, JR., M.D.
FRIDAY, MARCH 26, 1999
- - - - -

The deposition of E.F. KLEIN, JR., M.D., a
Witness herein, called by Defendant Dr. Quansah for
examination pursuant to the Ohio Rules of Civil
Procedure, taken before me, the undersigned, Marcie S.
Smith, a Registered Professional Reporter and Notary
Public within and for the State of Ohio, taken at the
offices of Spangenberg, Shibley & Liber, 2400 National
City Center, Cleveland, Ohio, commencing at 10:35 a.m.,
the day and date above set forth.

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(Defendants' Exhibit Numbers 1 & 2 were marked.)

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E.F. KLEIN, JR., M.D.

of lawful age, called by the Defendant Quansah for examination pursuant to the Ohio Rules of Civil Procedure, having been first duly sworn, as hereinafter certified, was examined and testified as follows:

MS. HENRY: This is the deposition of -- well, you just go by E.F. Klein?

THE WITNESS: I spent 58 years hiding Elmer.

MS. HENRY: Elmer. All right. This is the deposition of Dr. E.F. Klein. And we're here by agreement of counsel. Obviously there's a waiver as to any notice or defects, and any qualification and all that stuff since you obtained the court reporter, correct?

MR. LANSDOWNE: Right. So waived.

EXAMINATION OF E.F. KLEIN, JR., M.D.

1 BY MS. HENRY:

2 Q Doctor, my name is Dierdre Henry and I represent
3 Dr. Quansah in the lawsuit. She is one of the
4 defendants, obviously the anesthesiologist. And
5 we're here today to take your discovery
6 deposition and your opinions in this case.

7 I'm sure you've had your deposition taken
8 before, correct?

9 A Yes, ma'am.

10 Q So you know basically I'm going to ask you a
11 series of questions. And if you don't
12 understand a question, please don't answer it,
13 tell me you don't understand it.

14 A Yes, ma'am.

15 Q Anesthesia is your specialty, obviously not
16 mine, and I may have some inept questions, okay?

17 A Yes, ma'am.

18 Q Doctor, can you state your name and your current
19 address for the record?

20 A My real full name is Elmer Floyd Klein, Jr. My
21 home address is 58 River Ridge Road, Little
22 Rock, Arkansas. My professional address is at
23 the University of Arkansas for Medical Sciences
24 in Little Rock, Arkansas.

25 Q Doctor, I'm going to give you what's been marked

1 as Defendants' Exhibit 1, and that is a
2 curriculum vitae that we were provided in this
3 case. I understand that this is not current; is
4 that right?

5 A That's correct.

6 Q What is different about that?

7 A In the interim, from when this was submitted, I
8 have stepped down as the chair of the anesthesia
9 department, and so my current position is not
10 professor and chairman but is professor of
11 anesthesiology.

12 Many of the committees that this CV
13 reflects my participation in are no longer
14 accurate. And I currently only sit on the
15 Malpractice Claims Review Committee and the
16 hospital -- University Hospitals Credentials
17 Committee.

18 And those -- and also I rotated off the --
19 as the examiner for the oral boards and the
20 updated CV would reflect, under VII, Associate
21 Examiner for the American Board of
22 Anesthesiology from 1985 through 1998.

23 Q Okay.

24 A And I think those are the substantial changes
25 that have occurred over the last 18 months since

1 the CV was submitted.

2 Q Doctor, what's the reason that you stepped down
3 as chair of the anesthesia department?

4 A Because as I took the job -- in 1990 I had been
5 the chairman at the University of South Carolina
6 in Columbia for eight years and I had -- I knew
7 that in eight more years my son was going to
8 graduate from high school. And I, as part of my
9 agreement to take the chair, I informed the dean
10 of the College of Medicine that my tenure would
11 last only until my son graduated from high
12 school, which was eight years hence.

13 Q Okay.

14 A There was a secondary issue in that my vice
15 chairman, who I very much wanted to assume the
16 reins upon my ultimate stepping down, was on the
17 short list for the position for the chairmanship
18 at the University of Iowa. And not wanting him
19 to be excluded from the potential chairmanship
20 at the University of Arkansas, I actually
21 informed the dean approximately five months
22 earlier than I would have so as to include my
23 vice chairman in the running for my position.

24 Q And did he get the position?

25 A No, he didn't. Deans do that you know.

1 Q Yes. And what was your role as an examiner for
2 the oral boards?

3 A I gave oral examinations.

4 Q Okay. How frequently?

5 A Once or twice a year from 1985 through 1998.

6 Q Okay. What did that entail? How much time?

7 A The oral examinations are one-week in duration
8 and one exam, between six and ten candidates a
9 day, Monday through Friday. At its maximum, the
10 board was examining somewhere around 1,000 to
11 1500 candidates with each examination. And with
12 the reduction in the number of anesthesia
13 residents over the last three or four years,
14 that's been alluded to by your client, the
15 number of examiners has gone down as have the
16 number of candidates in the exam.

17 Q Okay.

18 A But, nonetheless, for the 13 years that I did
19 it, I progressed from being a junior examiner to
20 a senior examiner and examined 30 minutes a
21 session. Each candidate gets two 30-minute
22 sessions and they are between, as I said, Friday
23 and Wednesday are half days, and so there's six
24 examinations given. Monday, Tuesday and
25 Thursday there are -- you go from 8:00 in the

1 morning until 4:00 in the afternoon.

2 Q Okay. Do you still have hospital appointments
3 at Arkansas Children's Hospital?

4 A I do.

5 Q John L. McClellan Memorial VA Medical Center?

6 A I do.

7 Q And of course at the University of Arkansas for
8 Medical Sciences?

9 A I do.

10 Q At the Arkansas Children's Hospital, do you
11 spend any time during a week at that hospital on
12 a routine basis or how does that appointment
13 work?

14 A When I first went to Little Rock, there was a
15 severe manpower problem and I -- the CV
16 reflected I was there and functioned not only as
17 the chairman of the department but as the acting
18 chief of the Children's Hospital, anesthesia
19 division and had credentials at that time.
20 There was a manpower problem in September so I
21 worked pretty much clinically full-time the
22 first year.

23 Q At the Children's Hospital?

24 A At the Children's Hospital. And then as faculty
25 recruited -- were recruited for other children's

1 hospitals, my clinical role there virtually
2 disappeared.

3 However, last August or last September the
4 new chair was desperate for clinicians **and I**
5 worked clinically at the Children's Hospital,
6 since **I** still had credentials, and worked there
7 for the month of either August or September.
8 I'm not sure which.

9 Q So routinely, except for last August or
10 September, you have not worked at Children's
11 Hospital for approximately seven years?

12 A That's correct.

13 Q Did you work at all at Children's Hospital for
14 that seven years after your first year and until
15 this past August?

16 A Yes, I would work sporadically and did that for
17 two or three years just because I wanted to keep
18 my hand in the pediatric arena. But it would
19 amount to probably more than 15 days a year.

20 Q And that hadn't been for five or six years
21 though?

22 A That's correct.

23 Q All right. And the John L. McClellan Medical --
24 or Memorial VA Medical Center, what is the
25 extent of your involvement with that facility?

1 A Well, I think it -- I worked there clinically
2 five to ten percent of the time for the first
3 three or four years.

4 It would be helpful, perhaps if you
5 understood the -- what the working relationship
6 between the three hospitals is.

7 Q Okay. Great.

8 A So it might make some sense.

9 Q All right. You came to be the chairman of the
10 department?

11 A That's correct.

12 Q And then tell me what that entailed.

13 A Well, the chairman of the department is
14 responsible not only for the university and
15 hospital but also for the clinical faculty at
16 the Children's Hospital and also for the
17 clinical faculty at the VA Hospital. And so one
18 has lieutenants, if you will, that run the
19 sections at both the Children's and at the VA
20 Hospitals.

21 And as a matter of maintaining
22 departmental -- continuity is the wrong word --
23 but to maintain the sense of three separate
24 divisions belonging to the same department, I
25 felt that it was in the best interest of the

department to work clinically, on occasion in all three locations, for the first three or four years when the manpower was very short. And when manpower's short, the morale is sometimes not as good as it should be.

So the chief of anesthesia at the VA is picked by the chairman, the chief of the Children's Hospital is picked by the chairman as is the clinical chief at the University Hospital is picked by the chairman.

Q All right. So then it would be fair to say that after your first three years in your new position as the chairman of the department, you did some work at McClellan VA but you have not done any since that time; is that right?

A No. I've worked on an occasional day basis. Probably less than --

Q Last year?

A Less than ten days in the last three years.

Q Okay. So then University of Arkansas for Medical Services has a hospital --

A Sciences.

Q Sciences, I'm sorry. Has a hospital associated with it?

A That's correct

1 Q Which you refer to as University Hospitals?

2 A That's correct.

3 Q Correct. And currently what do you do **as** far as
4 clinical practice?

5 A When it was clear to me that I was going to step
6 down, I began to work in the ambulatory arena
7 that's at our institution clinically. And for
8 approximately the last two to two-and-a-half
9 years, I have worked in the operating room
10 between three and four days, an occasional **five**
11 days a week, in the ambulatory arena.

12 That's really a misnomer in our
13 institution because although some of the
14 patients that are handled there are, in fact,
15 what's called commonly day patients, it is also
16 an overflow unit for the main operating room.
17 Since it is not physically detached, it is part
18 of the complex. And so inpatients are operated
19 on in that environment as well.

20 Q Okay. What type of cases -- strike that.

21 Would Mr. Porter have been operated on in
22 the ambulatory arena?

23 A Probably -- probably not. By the same token,
24 though, he may well have been operated on. We
25 debride breast abscesses. We debride arm

1 abscesses and we do open cholecystectomies, open
2 hysterectomies.

3 Q Let me stop you there, Doctor. You've reviewed
4 the records from Mr. Porter?

5 A That's correct.

6 Q Now, based on what you see in the record from
7 Mr. Porter, are you telling me it's probable
8 that he would not have been operated on in the
9 ambulatory setting at your facility?

10 A If there were physical space and time available
11 in the main operating room, he would likely have
12 been done in the main operating room.

13 Q Why?

14 A Because he came in the first night at 2:00 in
15 the morning -- or 1:00 in the morning, or he was
16 operated on some time around midnight the first
17 night. And unlike the main operating rooms, the
18 ambulatory facility is not staffed to run
19 24-hours a day.

20 Q Okay.

21 A His operation on Saturday would unlikely have
22 been done because the ambulatory arena does not
23 work on Saturdays and Sundays.

24 Q Okay. Let's just take that aspect out of this.
25 Assume that Mr. Porter would have been operated

1 on for a second procedure on a day, like, say, a
2 Tuesday or Wednesday. Would he probably have
3 been in your main operating room or in the
4 ambulatory arena?

5 A He -- it would depend on the availability of
6 operating room time in the main operating room.
7 The first choice would have been likely in the
8 main operating room since that's where the
9 trauma orthopaedists generally operate. But had
10 there not been space in the main operating room,
11 if the trauma orthopaedist also worked in the
12 ambulatory arena, the patients are transported
13 to that area and are transported back to the
14 hospital.

15 Q So the last two, two-and-a-half years you've had
16 three or four days a week in the operating room
17 in an ambulatory arena?

18 A That's correct..

19 Q How many procedures would be done a day,
20 generally?

21 A By me or in the facility?

22 Q By you.

23 A By me? Anywhere from three to ten.

24 Q And the general type of procedures which you do
25 in that ambulatory arena are what?

- 1 A Orthopaedic, gynecology, airway, laser work,
2 ophthalmology, facial reconstruction, mandible
3 fractures, facial reconstruction after major
4 cancer surgery, breasts.
- 5 Q What are we talking about in the way of breasts?
- 6 A We're talking about not only needle localization
7 with biopsy but radical and modified radical
8 mastectomies with thigh dissections.
- 9 Q Okay. The ortho procedures that are normally
10 done in your ambulatory arena are what?
- 11 A As a general rule, they are shoulders, knees,
12 hands, arms. We don't do total joints. We
13 don't have a laminar flow facility in the.
14 ambulatory arena. But they are generally, as I
15 said, hands, shoulders, knees, feet.
- 16 Q Are we talking about if you need a knee
17 replacement it would be done there?
- 18 A I said we don't do total joints.
- 19 Q No total joints?
- 20 A We do not do total joints because we do not have
21 a laminar flow facility.
- 22 Q If a patient, such as Mr. Porter who's a trauma
23 patient, comes into the facility, is the first
24 choice of operating suite in the main OR?
- 25 A Trauma is generally done in the main operating

1 suite because it is staffed 24-hours a day.

2 Q Okay. Would a trauma patient be done in the
3 ambulatory arena if one **of** the **OR** suites was not
4 available in the main OR?

5 A That's correct. That's what I was trying to
6 allude to.

7 Q Yeah. Are you currently -- are these current as
8 to your publications?

9 A There are basically no significant publication
10 changes subsequent to that **CV**.

11 Q Is there anything in these publications that you
12 feel is applicable to this case, specifically to
13 this case?

14 A I believe that --

15 Q If you want to look at it.

16 A No, I think I know what I've done. Thank you.

17 Q Okay.

18 A Much of my time, the first half of my
19 professional career, was done in critical care
20 and respiratory therapy. And most of my
21 significant lecturing and research has been in
22 the areas of mechanical ventilation, ventilation
23 in general. And **so** there are aspects of the
24 case that I believe are, in fact, germane to the
25 general topics of endotrach tubes,

1 tracheostomies, ventilation, mechanical
2 ventilation, as such.

3 Q My question is: Do any **of** these, any of your
4 publications, though, have any relevance to the
5 facts of this case?

6 A Well, **44**. **41** has to do with respiratory
7 physiology. **40** has to do with respiratory
8 physiology. **49** has to **do** with respiratory
9 physiology. **38** has to do with respiratory
10 failure. **37** has to do with respiratory disease.
11 **36** has to do with hemorrhagic shock, so that's
12 germane.

13 Q Can we stop a minute on this number **37**?

14 A Yes, ma'am.

15 Q It's "Perioperative Management of Patients with
16 Pulmonary Disease." Why is that applicable to
17 Mr. Porter's case?

18 A Because the concepts of pulmonary physiology are
19 germane in the patient with preexisting
20 pulmonary disease and the patient without
21 pulmonary preexisting disease.

22 Q You **do** not believe he had any preexisting
23 pulmonary disease?

24 A No.

25 Q Okay.

1 A Prior to his injury.

2 Q Yeah. Just to be sure.

3 A 35 has to do with respiratory and cardiac
4 function. 34 has to do with trauma. 33 is not
5 germane. 32 has to do with pulmonary injury.
6 31 has to do with ventilation, mechanical
7 ventilation and respiratory failure. 30 has to
8 do with respiratory physiology.

9 So if you care to go through, I said the
10 vast majority of my area of expertise has to do
11 with lungs and blood gases and mechanical
12 ventilation, and that's what I've talked about.
13 And the vast majority of the publications have
14 to do with the lungs and how the lungs work --

15 Q Okay.

16 A -- and how they interrelate to the heart.

17 Q Any of these specifically dealing with trauma
18 cases?

19 A If you will recall, I just said, for example,
20 that one of the invited national lectures was,
21 in fact, in dealing with traumatic chest
22 injuries.

23 Q And that is which one, Doctor?

24 A That's reference number 34.

25 Q Okay.

1 A Reference number 32 is pulmonary contusion and
2 that is almost invariably secondary to trauma.

3 Q Okay.

4 A There were issues **of** -- there were issues **of**
5 endotracheal intubation that were brought up and
6 that's in reference -- in bibliography number
7 two. The earliest areas of interest had to do
8 with problems with endotracheal intubation, and
9 that's reference number two and that's in 1972.
10 **So** it's been an area of interest for nearly 30
11 years.

12 Q Okay. Doctor, what teaching responsibilities do
13 you currently have?

14 A I teach residents and medical students daily.

15 Q Okay. How did you become involved in reviewing
16 this case?

17 A I was called by the law firm that represents the
18 plaintiff.

19 Q Have you ever testified for them in another
20 case?

21 A I've never testified. I've given a deposition.

22 Q Was that **a** case in Cuyahoga County?

23 A Frankly, I'm not sure the geographic confines
24 of --

25 Q Well, where did that take place?

1 A The deposition was in Little Rock, Arkansas.

2 And, I'm sorry, I don't --

3 Q Do you know what hospital, what medical
4 facility?

5 A No. Off the top of my head I do not.

6 Q How did you become involved with this firm on
7 that first case? Is that how you -- do you
8 recall how you got the case?

9 A Yes, I recall very clearly. A former resident
10 of mine and colleague of mine who had been in
11 the consulting business, was a surgeon first and
12 then an anesthesiologist, had done some
13 consulting work for this law firm, had sold his
14 business and had been bought -- that business
15 had been bought out, I believe, by another
16 consulting company. And part of the
17 stipulations were that he would not do any
18 outside consulting work.

19 And I had known him since the days when he
20 was a surgery resident and I was running the
21 surgical intensive care at the University of
22 Florida. And he called me and said, "Are you
23 interested in doing any work for a group in
24 Cleveland?" And I said, "I'd be happy to
25 review.

1 Q When you say that this former student of
2 yours --

3 A I didn't say he was a student. I said he was a
4 former resident.

5 Q Resident, sorry, did consulting work, did he
6 have a business where he provided expert --

7 A No.

8 Q What kind of consulting work did he do?

9 A He was, to the best of my understanding,
10 involved in an organization of physicians along
11 the lines of developing physician groups to
12 negotiate with HMOs and PPOs.

13 Currently he is -- and that's about as
14 good as I can tell you. His current endeavor is
15 he's put together, to the, once again, the best
16 of my understanding, a group of
17 anesthesiologists who are staffing outpatient
18 orthopaedic facilities in and around Washington,
19 D.C. and is involved in the business, in
20 management aspects, in putting it together.

21 Q What's this gentleman's name?

22 A Alan Delaney.

23 Q In the first case you gave a deposition for,
24 what basically was that case about?

25 A It had to do -- it's the only deposition I've

1 ever given. And it had to do with a ruptured
2 pulmonary artery during placement of the
3 Swan-Gantz catheter.

4 Q How many times have you been involved in
5 anything having to do with giving expert
6 opinions in the medical/legal area?

7 A Before I went to -- before I came to Arkansas, I
8 probably had not done more than ten or 15 in the
9 preceding 20 years. Over the last eight years,
10 I have probably picked up three to four cases a
11 year.

12 Q And how --

13 A Some of those go on and on and on and on and
14 I've got a file --

15 Q Like this one.

16 A I've got a file that has a dozen cases that I've
17 not heard from the lawyers in three years and
18 don't know what the status of them is.

19 Q Generally how do these lawyers get your name, do
20 you know?

21 A As the chairman **of** an anesthesia department who
22 is somewhat outspoken in a state of two million,
23 with one medical school, one gets to be known
24 reasonably quickly.

25 Q Are these people who are from Arkansas or are

they from out of Arkansas?

A The majority of the consulting work that I've done, the medical/legal consulting work that I've done has, in fact, been in the mid-south area. And probably 75 percent of it is in the state of Arkansas.

Q I'm sure that you're going to tell me you review cases for plaintiffs and defendants both?

A I didn't. I didn't until approximately four years ago.

Q Okay. Before four years ago was it all defense?

A That's correct.

Q Okay. Four years ago that changed?

A Yes.

Q Why or how did it change?

A We had just done a very difficult deposition and as we were walking to the parking garage, plaintiff's counsel made some comment about "nice deposition." And I said, "I'd be happy to work for you if you give me a call."

And I did that because the defense attorney had -- who happens to be related to me but by marriage and lives down the street from me, had said previously if I'm going to maintain any credibility, I'm going to have to be willing

1 to at least review plaintiffs' cases if they
2 have merit. Otherwise, I would gain the same
3 reputation as some plaintiffs' attorneys have,
4 which is testimony for-hire. And I have
5 accepted in toto probably five or six
6 plaintiffs' cases for review.

7 Q And have you been able to provide reports that
8 are helpful to the plaintiffs in those five or
9 six cases?

10 A In some segment I have.

11 Q How many?

12 A I would say probably five of them but -- but a
13 report that's helpful, there are --

14 Q Let me put it this way: Were you critical of
15 the care that was provided by the defendant
16 anesthesiologist in those cases, all of those
17 cases?

18 A Not being able to recall each and every one of
19 them, I believe that the care rendered was so
20 blatant as to be able to say that. I don't
21 generally get asked to review cases where -- for
22 plaintiffs where there is a major discussion as
23 to liability or lack thereof.

24 Q What **do** you mean by that?

25 A Because the amount of plaintiffs' work that I do

1 is so limited --

2 Q Uh-huh.

3 A -- it has come generally either from the work
4 that I've done here for the group in Cleveland
5 or it has come at the recommendation of other
6 faculty in other specialties at the university
7 who have friends. Let's go through them if --

8 Q Sure.

9 A There was a case in Pensacola, Florida where I
10 was referred by the chairman of radiology
11 because he was asked by a friend of his, "Do you
12 know an anesthesiologist who is respectable who
13 will give an honest opinion for a plaintiff?"
14 And, in fact, I accepted that case.

15 Q And gave an opinion for the plaintiff?

16 A And gave an opinion, yes.

17 Q Okay.

18 A I was called in a similar circumstance by a
19 group in Pascagoula, Mississippi, because they
20 had a relationship or knew the group that I had
21 worked with out *of* Pensacola.

22 And are -- the four cases I think that I
23 reviewed for this law firm have come in a
24 fashion which has been identified to you. And I
25 have been asked to review a case in Arkansas by

1 a lawyer that I have worked with on four
2 separate occasions in defense work who is now
3 doing plaintiffs' work.

4 Q So you've reviewed four cases for this firm?

5 A That's an approximation. There are -- and I
6 think that's accurate.

7 Q You've given one deposition?

8 A One deposition.

9 Q In each of the four cases that you've reviewed
10 for this law firm, did you find the care of the
11 anesthesiologist fell below the appropriate
12 standard?

13 A I don't believe that I have -- that I issued an
14 opinion letter. I don't recall an opinion
15 letter in two of the cases that, in fact, were
16 critical, but I viewed my role as one that
17 raised issues that needed to be explored further
18 before one could determine whether or not there
19 was relevance to the case.

20 Q Now, in those two cases where you did that, are
21 those cases complete or are they still pending?

22 A I believe they have settled because I have -- I
23 reviewed some charts, made some initial contact
24 and have heard no more from them.

25 Q Are you currently reviewing any or involved in

1 any cases for this law firm other than
2 Mr. Porter's case involving **Mr.** Porter?

3 A Unless those other two are still out there
4 sleeping somewhere and I get a call back on
5 them.

6 Q Your answer is no then?

7 A To the best of my knowledge.

8 Q Okay. Have you ever testified at trial?

9 A Yes.

10 Q How many times?

11 A Probably more than six and less than 12.

12 Q What are your fees for your review of records?

13 A \$300 an hour.

14 Q And your depo fee?

15 A \$500 an hour.

16 Q And your trial fee?

17 A I have tended -- I have done so little that I
18 have tended to say that if I take a day away
19 from work, I'm going to charge what an
20 anesthesiologist who's giving clinical
21 anesthesia would charge for a day's work.

22 Q Which is?

23 A It's in the neighborhood of \$2,000. **So** whether
24 I work for six hours or eight hours or 12 hours,
25 if it required me to take a vacation day --

1 Q Okay.

2 A -- I tend to be a flat fee on that.

3 Q All right. Doctor, we have Exhibit 2 here which
4 is dated April 28, 1997, which is your expert
5 report in this case, correct?

6 A Yes, ma'am.

7 Q Prior to rendering this opinion, what did you
8 review?

9 A I reviewed the medical record. I have a list of
10 what I've reviewed all in total here.

11 Q Why don't we get that marked as an exhibit..

12 A Certainly, if you can read my writing.

13 Q Oh, I think I probably can.

14 MS. HENRY: Let's mark that,
15 please.

16 - - - - -

17 (Defendants' Exhibit Number 3 was marked.)

18 - - - - -

19 Q Doctor, you have reviewed the medical record
20 with your emphasis on anesthesia?

21 A That's correct.

22 Q Did you review it -- do you have any opinions as
23 to any of the other entities involved in this
24 case on your review of your record, such as the
25 surgeon or anyone?

1 A I try not to exhibit either criticism or support
2 of specialties other than the areas of which I
3 have documented expertise

4 Q So your answer is no?

5 A Yes, ma'am

6 Q Okay Two depositions of Dr Quansah.

7 deposition of Dr Ghanma?

8 A Shapiro --

9 Q Shapiro?

10 A -- deposition. but you must realize that this is
11 not responsive to your original question. Which
12 was in fact --

13 Q What did you review?

14 A What I reviewed.

15 Q Right.

16 A And I don't know what I had reviewed prior to
17 this letter. It may have been the initial
18 Quansah deposition

19 Q Okay.

20 A And the Ghanma deposition. It clearly did not
21 include the Shapiro deposition. the San Diego
22 pathologist's deposition. the blood pressure
23 summary as generated from the pictures of the
24 monitor. and the opinion letters from the
25 various experts

1 Q So let's go back to the blood pressure summary.
2 Is that a piece -- is that something separate
3 than the pictures themselves? Is there
4 something that was given to you by the law firm?

5 A Mr. Lansdowne, based on better eyes than I
6 have --

7 Q Could you -- do you have that with you?

8 A I don't have that with me.

9 THE WITNESS: Dennis?

10 MR. LANSDOWNE: I think it's in
11 the other room.

12 - - - - -

13 (Recess taken.)

14 - - - - -

15 (Defendants' Exhibit Number 4 was marked.)

16 - - - - -

17 Q Doctor, we've marked Defendants' Exhibit 4. Is
18 that the blood pressure summary?

19 A Summary.

20 Q And you used this in giving your opinion in the
21 case?

22 A No.

23 Q Okay. What was the purpose of this?

24 A This was some time after my opinion. And in
25 retrospect, it had to be, to some degree, after

1 one of Dr. Quansah's depositions where there was
2 a discussion of the record and the pictures and
3 the hard copies and all. I received some
4 pictures.

5 Q Okay.

6 A And when we met yesterday, I confided that I
7 couldn't --

8 Q Read the pictures?

9 A I could read some of them but I couldn't read
10 all of them. And some of the blue did not
11 transmit. And so this was provided to me as
12 representing a summary of the medical record as
13 well as what came from the pictures that were
14 taken from the data bank from the monitor.

15 Q Did you review this in conjunction with the
16 record and the pictures to determine if it was
17 accurate, or you didn't do that yesterday?

18 A There were some that I could tell. There were
19 others that I had **to** take on face value.

20 Q Okay.

21 A Can we -- you always say if there's something
22 I'd like to clarify that I have the option to go
23 back on that. May I have that option, please?

24 Q Certainly.

25 A When asked about my opinions about surgical

1 issues or being critical of other people, I
2 wanted to just clarify that, you didn't pick up
3 on it and/or didn't ask me about it, but I
4 alluded to the fact that I do have subspecialty
5 certification in critical care and for the
6 first -- we went through that, the bibliography,
7 and almost discussed in detail, but for the
8 first half of my career I ran respiratory
9 therapy departments and critical care services
10 and interacted with surgeons much of the time.

11 I did hold, up until 1990 in every place
12 I'd worked, dual appointments in the department
13 of surgery. Now, that does not qualify me to do
14 surgery or be critical of surgery per se, but
15 there are many surgical decisions that fall
16 outside of the surgical arena itself that have
17 to do with patient care. And I do have some --
18 I do have opinions in that area.

19 And for -- and to complete, since you were
20 very complete about what I've done clinically
21 over the recent past, there was a time while I
22 was -- in the last year and I was still
23 chairman, where the one and only critical care
24 member, certified member of the department had
25 gone, and being the only member of my department

1 with subspecialty certification in critical care
2 did not make rounds as part of the ICU team with
3 the trauma surgeons, so I can't -- you've asked
4 me about my operating room experience, but I
5 just want to point out that that is not the in
6 total amount of my back -- what I've done
7 professionally.

8 Q Well, let me --

9 A My opinions -- my opinions, though, I'll say of
10 surgical -- purely surgical issues I'm deferring
11 to the surgical expert, Dr. Shapiro, and will
12 not offer judgment as to surgical decisions.

13 Q Okay. Well, then, let me try and clarify this a
14 little more. As to issues having to do with
15 critical care, what should have been done or
16 what was done outside of the operating room, do
17 you intend to give any opinions?

18 A No.

19 Q So all your opinions are going to be as to the
20 anesthesiologist, or are you going to have
21 additional opinions other than the anesthesia --
22 about the anesthesiologist?

23 A I have concerns about the interaction between
24 the surgeon and the anesthesiologist but I'm not
25 going to express -- I'm going to defer those

1 opinions to the surgical expert for the
2 plaintiff. But critical care and surgery and
3 anesthesia can't be divvied up like three
4 separate things. It is -- you have to make
5 decisions based on integration of a lot of
6 pieces of information and --

7 Q Okay. Doctor, your report, let's get back to
8 that --

9 A Surely.

10 Q -- which we have marked as Exhibit 2. You
11 believe that was authored prior to having
12 received many of the deposition transcripts in
13 this case. You believe you had at least one of
14 Dr. Quansah's and one of doctor -- and
15 Dr. Ghanma's?

16 A And the medical record, and I think that's all I
17 had at the time.

18 Q Since that time you've reviewed the balance of
19 the things which appear on your yellow sheet,
20 which is Defendants' Exhibit 3, correct?

21 A Correct.

22 Q And are your opinions different in any way or is
23 there anything supplemental to your opinions
24 after your review of the rest of those records?

25 A Not materially, no.

1 Q Okay. You said in your report that there was
2 no -- "without meaningful communication between
3 the anesthesiologists and the operative
4 surgeon." You are now telling me that you are
5 going to defer any opinions as to the
6 interaction between the anesthesiologist and the
7 surgeon to
8 Dr. Shapiro, correct?

9 A No. I'm going to defer the subsequent medical
10 decisions after interaction.

11 Q Okay. All right. You have stated in your
12 report here that, if you look at the first
13 paragraph, second line towards the end of it,
14 that there was "a lack of comprehension of the
15 magnitude of physical derangements which were
16 manifest almost immediately after the beginning
17 of this second anesthetic."

18 Do you see that?

19 A Yes.

20 Q Can you tell me **what** the physical derangements
21 were?

22 A Profound and medically significant hypotension.

23 Q Anything else?

24 A No.

25 Q At what time did the profound and medically

1 significant hypotension exhibit itself?

2 A 9:12.

3 Q And what was -- what is in the record that tells
4 you at 9:12 that was a profound and medically
5 significant hypotension?

6 A A recorded blood pressure in the 60s systolic.

7 Q Tell me your understanding of what the sequence
8 of the administration of the anesthetic agents
9 and vasopressor drugs was in this case based on
10 your review of the record from the time
11 Mr. Porter came into the OR.

12 A May I re --

13 Q Sure you can look at the record.

14 A -- refer to the record?

15 Q Including the amounts that were given.

16 A Certainly. It's my understanding from both the
17 deposition and the anesthesia record that
18 Mr. Porter had some degree of pain prior to the
19 beginning of the anesthetic and that the
20 anesthesiologist provided a dose of fentanyl.

21 Q At what time and how much?

22 A It's not recorded in the anesthesia record. I
23 believe the deposition suggests that it was 100
24 micrograms. And it would have occurred
25 either -- and I can't remember whether it was

1 after they came.in the operating room when he
2 was uncomfortable, because he slid down in bed,
3 or whether he had expressed that he was
4 uncomfortable while he was in the hallway while
5 the anesthesiologist was talking to him. But if
6 memory serves me correct, there was a bolus of
7 100 micrograms of fentanyl given prior to the
8 administration of the other anesthetic induction
9 drugs.

10 Q Let's stop there. Is that, for Mr. Porter's
11 height and weight and physical condition at the
12 time he came to the OR, an appropriate dosage?

13 A It is not inappropriate at all.

14 Q Okay. Prior to his coming to the operating
15 suite, did he have any pain medication on the
16 floor in, say, the 24 hours before?

17 A Well, certainly he did.

18 Q Well, Doctor, I'm just here to ask you
19 questions, okay?

20 A Yes. Yes. He had a PCA of Demerol that was
21 begun at about 3:50 in the morning, or
22 thereabouts, after his first surgery and
23 continued on, by my review of the record, until
24 somewhere the evening before this final surgery.

25 I was unable to determine what he had in

1 regard to additional pain medication from
2 somewhere in the early to mid-evening hours of
3 the 14th until the morning of surgery on the
4 15th.

5 Q So you don't know when he last had Demerol from
6 his PCA, correct?

7 A No. But I can find that for you and be happy to
8 tell you what the medical record says. There
9 is, in the nurses' flow sheet, there is a sheet
10 which identifies a running total of the amount
11 of Demerol that has been given. And the only
12 record that I have that I'm familiar with goes
13 from 3:44 a.m. in the morning of -- the morning
14 of the 14th through 9:18 p.m. on the 14th.

15 Q Uh-huh.

16 A And I'll admit I could not find or did not --
17 did not find what was given for pain subsequent
18 to this last recording for the PCA pump, which
19 has on its time 9:18 p.m. on the 14th.

20 Q Okay.

21 A But there presumably was some pain medicine
22 provided for him between that early evening hour
23 that I alluded to earlier and 9:00 in the
24 morning when he came to the operating room.

25 Q But we don't know that from the record?

1 A I don't know that from the record

2 Q Okay.

3 A I would assume that to be true but I don't know
4 it specifically at the present time.

5 Q Did he get any Valium before he went to the OR?

6 A If my memory is correct, he received a couple
7 order of ten milligrams of Lim PO and ten
8 milligrams of Epilan.

9 Q Do you know when he was given the Valium PO?

10 A There was a discussion on that and it was felt
11 not to be working And it was somewhere between
12 3:00 and 3:30 most likely, but I can't give you
13 the exact time on that.

14 Q How long was that Valium given to take to work
15 for someone like Mr. Tortora with his condition?

16 A Well, assuming normal absorption rate, one would
17 anticipate that the Valium would be providing
18 some anxiolysis within 30 minutes to an hour.

19 Q Let's use regular words What's the purpose of
20 the Valium?

21 A To treat anxiety. That's from the word
22 anxiolysis.

23 Q That's all right. I don't need you to explain
24 it Let's just use basic words, you know.

25 regular words We don't have to worry about the

1 court reporter spelling these things, okay?

2 A Yes, ma'am.

3 Q And the Reglan was given at about the same time,
4 right?

5 A Yes, ma'am.

6 Q **So** we have 100 micrograms of fentanyl. What
7 happened next? .

8 A Well, presumably there was another 100
9 micrograms of fentanyl given.

10 Q When was that given?

11 A On or -- the medical record -- the medical
12 record, the anesthesia record reflects 100
13 micrograms in titrate dose, and the 200 is
14 centered on the 9:15.

15 Q **So** when you gave your opinion in this case and
16 looked at the records, when did you assume the
17 second dose **of** micrograms **of** fentanyl to be
18 given?

19 A I assumed that the -- all of those dosages were
20 given but not recorded correctly and were given
21 some time between 9:00 and 9:15.

22 Q **So** by 9:15 he's had 200 micrograms of fentanyl?

23 A That's correct.

24 Q And what would the second 100 micrograms be
25 given for?

1 A **As** part of -- it is generally given to attenuate
2 some of the hypertensive response that is
3 associated with visualization of the vocal cords
4 and intubation.

5 Q What's the succinylcholine and d-tubocurarine
6 for?

7 A The d-tubocurarine and succinylcholine are used
8 to paralyze the patient. The d-tubocurarine is
9 used to prevent generalized muscle contraction
10 that would otherwise occur from the dose of
11 succinylcholine. And they are given together --
12 or, actually, the d-tubocurarine is given
13 preceding the succinylcholine and that provides
14 short term muscle relaxation **so** that the muscles
15 of the jaw and mouth will be relaxed so that one
16 may intubate.

17 Q Okay. Is fentanyl a narcotic?

18 A Yes.

19 Q Is it given for pain?

20 A Either to treat pain or in the anticipation f
21 pain.

22 Q Okay. Are you critical of the second micrograms
23 of fentanyl given?

24 A Not particularly.

25 Q Are you critical at all of that?

1 A My only criticism would be that I don't -- I
2 don't know and did not read what was the
3 basis -- what was the thinking basis for the
4 second dose.

5 And in a patient who has acknowledged to
6 have a blood pressure now that I believe is
7 somewhere down from the previous baseline of
8 110/60 into the 90s, I don't -- I don't know and
9 did not read what the rationale was, but I'm not
10 particularly critical of 200 micrograms of
11 fentanyl on what was presumed to be a previously
12 healthy 20-year-old male.

13 Q And then what happened?

14 A On or about the same time --

15 Q Being 9:15?

16 A Well, actually, I don't believe it was 9:15. I
17 believe it was prior to 9:12.

18 Q Okay.

19 A Because the blood pressure, from my
20 understanding, had gone down significantly by
21 9:12, which would place the administration of
22 the induction drugs prior to 9:12. And so I
23 would presume that these drugs were not given at
24 9:15 as recorded but were given some time
25 between 9:05 and 9:10.

1 Q Okay. Then what happened?

2 A And then the blood pressure went down. Did we
3 ask about the propofol?

4 Q Doctor, I was asking if you would tell me from
5 the beginning what your understanding of what
6 was administered and when so --

7 A And propofol was given all at about the same
8 time.

9 Q Let me finish --

10 A Sure.

11 Q -- because she is not going to be able to read
12 this.

13 So we have 200 micrograms of fentanyl
14 which you believe was given by 9:12.

15 Now, propofol was given when?

16 A As I said before, I have to believe that the
17 fentanyl and the propofol were given before
18 9:12.

19 Q Okay.

20 A And --

21 Q And so when was the propofol, based on your
22 review of the record and the deposition, given
23 and what was administered and when?

24 A I have to believe that the fentanyl and the
25 propofol --

1 Q No. I'm asking you about the propofol. We know
2 what the fentanyl, your opinion **is**. Tell me
3 when the propofol was given.

4 A The medical anesthesia record implies that it
5 was given at 9:15.

6 Q And how much was given?

7 A The medical record suggests **100** milligrams.

8 Q You believe that it was actually given prior to
9 9:15 and that it was something different than
10 100 milligrams?

11 A No.

12 Q Okay.

13 A I think it was given before 9:15.

14 Q But at 100 milligrams?

15 A I have no reason to doubt **100** milligrams.

16 Q Is that an appropriate amount of propofol to
17 give to someone like Mr. Porter?

18 A Actually, I would suspect that it is a
19 reasonably light dose of propofol for someone
20 like
21 Mr. Porter.

22 Q And when I say "like Mr. Porter," you consider
23 **Mr.** Porter to be reasonably healthy -- well,
24 strike that.

25 When we talk about Mr. Porter, your

1 assumption is he's in good, physical status at
2 the time of this operation; is that right?

3 A That's correct.

4 Q And explain to me what is your basis of your
5 opinion that, at the time of this operation, the
6 second one, he had good, physical status?

7 A He was advertised as being in good physical
8 status. It was the assumption of the operating
9 surgeon and the assumption of the
10 anesthesiologist that he was, in fact, ill but
11 was not critically ill. The anesthesiologist
12 who evaluated him the night before listed him as
13 a physical status and he circled two and a three
14 and made it with an E.

15 Q And what does that mean to you?

16 A To me it means someone who's had recent trauma
17 and has a major leg laceration.

18 Q What are the components of what you consider to
19 be good physical status? Let's get those.

20 A He was awake, alert, coherent. He had had a
21 fever but it was not overwhelming. His blood
22 pressure had fallen from its previous levels but
23 was not in a range at that point in time as to
24 signify a critical decline of blood pressure.
25 His pain was being controlled with reasonable

1 levels of narcotics. And except for this small
2 drop in blood pressure from the previous
3 baselines and the fever, there was not much else
4 going on. He had -- that would suggest at that
5 point in time that he had a major problem other
6 than his thigh.

7 Q Well, at 4:30 a.m. on 7-15, he has a temperature
8 of 102.3. Do you consider that to be an
9 acceptable temperature for a young man such as
10 Mr. Porter?

11 A In the -- under the circumstances I certainly
12 do.

13 Q Okay. What are the circumstances?

14 A He had a thigh wound that was, in fact, likely,
15 to some degree, infected. And that a nighttime
16 temperature of 102, while not normal, does
17 not -- does not fright me in and of itself a
18 great deal to begin with.

19 Q Do you consider., at 4:30 a.m. with a temperature
20 of 102.3 and the other findings, vital signs you
21 saw in the record, that those were significant
22 with a diagnosis of sepsis?

23 A The definition of sepsis has been bantered
24 about. I believe that -- I believe that he had,
25 to some degree, bacteria in his blood stream and

1 some would consider that sepsis, others would
2 require more of a constellation of symptoms
3 involving the heart and the lungs and the
4 circulation to make a diagnosis of sepsis, or
5 sepsis syndrome.

6 Q Okay. Let me get your definition of sepsis **so**
7 we're working on the same page here.

8 A I believe he was bacteremic, but because he was
9 cardiovascularly still reasonably stable, that
10 it allows me to stand by my previous statement
11 that he was felt to be a reasonably healthy but
12 traumatized young man.

13 Q Well, on what do you base your opinion that **he**
14 was bacteremic? What findings in the record?

15 A The fever that you just mentioned.

16 Q And that's it?

17 A Knowledge, hindsight, the people at the time did
18 not have access to them but there was
19 subsequent -- the circumstances of his injury,
20 and there were cultures ultimately that showed
21 that the wound, in fact, had bacteria present.
22 And I don't believe that any **of** those cultures
23 had time to make it back.

24 Q **So** getting back to your definition of sepsis,
25 what is it?

1 A My definition would be an infectious condition
2 where there are bacteria in the blood stream.

3 Q **So** you consider him to be septic at the time
4 that he went for his second procedure?

5 A There is an entire spectrum of the sepsis
6 syndrome. And it is -- because there is not one
7 clear and separate issue that causes the
8 definition -- the differences in definition that
9 have been discussed, and anybody who has a sinus
10 infection and a fever likely is, to some degree,
11 septic.

12 Q Well, you're not trying to equate someone with a
13 sinus infection and a fever, that septic
14 condition, to the type of condition Mr. Porter
15 was in, are you?

16 A Yes, as a matter of fact I am.

17 Q Okay. **So** how do you -- you said there's a
18 spectrum?

19 A That's correct.

20 Q **And** the spectrum is what? I mean, mild sepsis,
21 medium sepsis, how do you define your spectrum?

22 A It is not defined by me but it is defined by a
23 number of authors. And my definition of the
24 spectrum would be the initial appearance of
25 bacteria within the blood stream, at which point

1 there may be no changes, there may be an
2 increase in cardiac output, there may be a small
3 decrease in peripheral vascular resistance,
4 there may be nothing but chills and fever.

5 If the bacteria continued to grow and
6 replicate, one can go to a period of myocardial
7 depression, low peripheral resistance, drop in
8 blood pressure and low cardiac output.

9 So it can go -- it goes all the way from
10 something that is -- one can have bacteria in
11 the blood stream and have something not much
12 different than a person with walking pneumonia
13 or a sinus infection with a severe fever.

14 Q well, someone with a sinus infection and a
15 nighttime fever of 102.3, would you consider
16 them to be a good comparison to the condition of
17 Mr. Porter on that evening of 7-15 at 4:30 a.m.?

18 A I would say that you can -- you can make as much
19 or as little of the sinus analogy but any --

20 Q No. Doctor, my question is --

21 MR. LANSDOWNE: Wait a minute.
22 you can't ask him questions and then stop.
23 You've got to let him answer the question.

24 MS. HENRY: But he has to
25 answer the question that I'm asking.

1 MR. LANSDOWNE: No, no. He gets
2 to answer the question.

3 MS. HENRY: I'll ask the
4 question again.

5 MR. LANSDOWNE: If you don't
6 like his answer, ask him the question again.

7 MS. HENRY: I don't want to
8 be here all day.

9 MR. LANSDOWNE: This is about
10 the fifth time in a row.

11 MS. HENRY: We're going to
12 be here all day if he doesn't answer the
13 question.

14 Q If you don't understand my question, please tell
15 me, because you specifically discussed this
16 sinus infection and fever. So I'm going to
17 ask -- get her to read the question back, and if
18 you'll just tell me "yes" or "no" if you believe
19 there's a correlation.

20 MS. HENRY: Will you read
21 the question back?

22 Q And you have to wait until she puts her paper
23 back in her tray.

24 - - - - -

25 (Record was read.)

1

- - - - -

2 A I would consider not only a sinus infection with
3 a fever but any other infectious process where
4 bacteria were present in the blood stream such
5 that a fever is generated analogous to the
6 circumstances of Mr. Porter on that evening.

7 Q Okay. Thank you.

8 Was there any progression in the
9 bacteremia or sepsis that he had at 4:30 a.m. to
10 the time that he had his induction the next day?

11 MR. LANSDOWNE: Objection.

12 Q Go ahead.

13 A That is unknown to me and I suspect is unknown
14 to anybody.

15 Q He has a pulse of 120, didn't he, at the time --

16 A That's correct.

17 Q -- of induction? What was the cause of the 120
18 pulse rate?

19 A The cause of the 120 pulse rate can be the use
20 of Demerol as the analgesic if, in fact, it was
21 still being used. It can be because of the
22 fever itself, it can be because of pain, or all
23 of **the** above, or any segment thereof.

24 Q Or because of sepsis?

25 A I said because of the fever and that goes with

1 the sepsis. That's **all** part **of** the same thing.
2 And **I** can't separate out which **of** those three
3 differentials.

4 Q Okay. What was the cause of the blood pressure
5 being 95/40 right before induction?

6 A It may well have been because of the 100
7 micrograms of fentanyl that was administered to
8 get him comfortable and get him into bed.

9 Q **Is** that your opinion that that was the cause **of**
10 that blood pressure?

11 A I don't -- I don't frankly know why his blood
12 pressure dropped but he was -- the records say
13 that he was given 100 micrograms of fentanyl in
14 preparation for the induction of anesthesia.
15 And that correlates with the blood pressure of
16 95 that was on or about 9:05, I believe.

17 Q Okay. **So** we're at the propofol, which you
18 believe was given by 9:12, 100 milligrams; which
19 you consider **to** be reasonably light, okay --

20 A Correct.

21 Q -- for someone .in what you consider to be a good
22 physical status which you believe Mr. Porter was
23 in, correct?

24 A I believe that he -- good stretches the point.
25 But critically ill, I would not have labeled him

1 as critically ill at that point in time.

2 Q Well, I simply used the term **good** because that's
3 what you used in your report. **So** now you're
4 a saying he was not in good physical status but he
5 was not critically ill. He was somewhere in
6 between there?

7 A If I used the term "good", in the whole spectrum
8 of illness, he was gooder than he was bad.

9 Q Okay. **So** we've got the propofol, which we've
10 now given. It's 100 milligrams. Then what was
11 the next anesthetic agent or anything
12 administered by Dr. Quansah by way of time and
13 amount?

14 A Well, the anesthesia record indicates something
15 was started at 9:15 but is silent to what it was
16 in the way of a volatile anesthetic.

17 Q What is the -- is there an amount?

18 A No.

19 Q So you have no idea what was given at 9:15 by
20 way of a volatile anesthetic?

21 A The deposition indicates that it was Forane.

22 Q What are the potential volatile anesthetics that
23 will be given in this type of a case?

24 A It depends on what's available in that
25 institution. I suspect that Forane,

spooling no. 003fluran0 may well have been using available. may still have been using

halothane I doubt they **mr** using Ethane

Q So it's most likely that it was in fact,

Foran Do you have any reason to disagree with
Dr. Quansah's testimony?

A I don't disagree with what she said in her
position. But all I'm saying to you is the
official record does not indicate what or in what
concentration she gave it

Q Did you reach the conclusion from all of the information, including her positions, as to the volatile agent that the administrator at 9:15 and the amount?

A At the time that I -- at the time that I wrote
my letter to ~~you~~ was no indication.

Q Doctor, please listen to my question. Did you come to a conclusion after reviewing the record and hear two positions as to what volatile agent was given at 9:15 and the amount that was given? Yes or no?

A I can't answer that question because you have gone -- you have now assumed that I read from Quanseth's second position before I wrote my letter, which is incorrect.

1 Q No, I'm not. I'm just asking you, not based on
2 your letter. I'm asking you now after you've
3 reviewed everything to go through the steps of
4 what was given when, all right?

5 A After having read her depositions, I believe
6 that she gave Forane and turned on the Forane on
7 or about 9:15. .

8 Q And when you turn it on, is there any amount
9 that is given or, you know, did you get any
10 conclusion as to --

11 A No.

12 Q Okay. Forane would be a volatile anesthetic
13 agent to give in this particular situation,
14 correct?

15 A There would be some that would argue that it is
16 problematic because it causes a tachycardia,
17 which might be .accentuated in someone with --

18 Q My question is: Are you critical?

19 A -- a preexisting tachycardia.

20 I'm not particularly critical of the
21 Forane choice.

22 MR. LANSLOWNE: Let's let him
23 finish the question, Dierdre. We're going to
24 get this back and forth on the record and it's
25 going to be a mess.

1 Q Let me make this clear, Doctor. I'm interested
2 in your opinion because you're the one that is
3 going to testify, okay? I'm **not** interested in
4 some would say this or some would say that.
5 You're the expert here who's giving the opinion,
6 so I want to know what your opinion is. And if
7 I'm asking if you're critical or not, it's
8 whether you are critical, okay?

9 A Yes, ma'am.

10 Q Okay. And obviously if you don't understand any
11 of these, please stop me and ask me, okay --

12 A Certainly.

13 Q -- about my question.

14 So you're not critical of giving Forane as
15 a volatile anesthetic at 9:15, correct?

16 A Correct.

17 Q That's based on everything that you have seen in
18 this case?

19 A In regard to what?

20 Q What happened next as far as any anesthetic
21 agent or --

22 A She gave a muscle relaxant.

23 Q At what time?

24 A The anesthesia record says at about 9:20.

25 Q Do you disagree with that? Was it 9:20?

1 A No.

2 Q And the anesthetic agent, what's the purpose or
3 the --

4 MR. LANSDOWNE: Muscle.

5 Q Muscle relaxant, what's the purpose of that?

6 A Muscle relaxation.

7 Q And that's Zemuron?

8 A That's correct.'

9 Q And is the purpose of that so that the surgeon
10 can do, in this particular case, the procedure
11 on the leg without any problem?

12 A There is no need to give a muscle relaxant for
13 the procedure in question.

14 Q Okay. How much Zemuron was given?

15 A The record says 30 milligrams.

16 Q Do you believe it was a deviation from the
17 standard of care for her to give the muscle
18 relaxant Zemuron?

19 A No.

20 Q That's a judgment she made as the
21 anesthesiologist in this case to give the
22 Zemuron?

23 A Correct.

24 Q Then what is the next thing by any kind of agent
25 or --

1 A On or about the time that she turned on the
2 Forane, she turned on nitrous oxide.

3 Q What's the purppse of the nitrous oxide?

4 A It is a second inhalation anesthetic that works
5 synergistically with the other anesthetic drugs
6 that are given.

7 Q Was that appropriate in this case to use the
8 nitrous oxide?

9 A Certainly.

10 Q when you talk about it having a synergistic
11 effect with the other anesthetic drugs, we're
12 talking, would it be fair to say, that anything
13 which was administered by her in the course **of**
14 this anesthesia would work together as
15 anesthetic drugs?

16 A With the exception of the muscle relaxant.

17 Q Okay. Then what's your understanding of what
18 occurred next by anything that was given or
19 stopped being given?

20 A Well, it is my understanding that the blood
21 pressure was profoundly low and the Forane was
22 first turned off. The record says it was turned
23 off at 9:25.

24 Q Okay. **Do** you disagree that it was turned off at
25 9:25?

1 A If the blood pressure were, **in** fact, in the 60s
2 at 9:12, continuing Forane to 9:25 would not be
3 in the best interest of the patient.

4 Q **Is** it a deviation from the standard of care to
5 continue the Forane past 9:12, assuming the
6 blood pressure is in the 60s?

7 A I can't answer that with a yes or no. Is it a
8 deviation from the standard of care to leave
9 it -- to leave the concentration of the drug at
10 anesthetic levels if there was an attempt to
11 reduce the level of the anesthetic during the
12 period of time prior to it being turned off,
13 then that is not a deviation of the standard of
14 care.

15 Q What do you consider to be anesthetic levels **for**
16 the Forane?

17 A Somewhere between .75 and one and a half
18 percent.

19 Q And what is your opinion, if you weren't going
20 to turn it off, that it should have been reduced
21 to?

22 A To some very, very minimal level.

23 Q Being what?

24 A Something .1, .2, .3.

25 Q Okay. Do you know what the level was, the

1 percentage level was of the Forane that was
2 being used when it was first --

3 A It's not recorded

4 Q Did you get anything from the reading of the
5 depositions that told you what the percentage of
6 Forane that was being used by Dr Quansah was?

7 A No

8 Q You say the blood pressure became profoundly
9 low; is that correct?

10 A That's correct

11 Q Tell me the point in time that we're talking
12 about when you believe it became profoundly low.

13 A 9:12 a.m.

14 Q And give me what the blood pressure was
15 67/46.

16 Q Okay what caused in your opinion the blood
17 pressure to go to 67/4 at 9:12 a.m.?

18 A A relative overdose, not absolute but a relative
19 overdose of anesthetic agents based on

20 Mr Porter's status at the time

21 Q His status at what time?

22 A At 9:12.

23 Q Okay so you believe that 200 micrograms of
24 Bentanyl, 100 milligrams of propofol were given
25 by 9:12 and Forane was given by 9:12, correct?

1 A That's my understanding.

2 Q And those together were what you considered to
3 be an overdose of anesthetic agents for
4 Mr. Porter?

5 MR. LANSLOWNE: Objection.

6 A I believe that that misquotes what I said. I
7 believe the record will reflect that I said
8 either a relative or absolute overdose based on
9 his condition.

10 Q Well, either a relative or an absolute. What is
11 your opinion it was, a relative or an absolute
12 overdose at that time?

13 A It can be defined either way.

14 Q Okay. Tell me your definition of relative, then
15 overdose.

16 A If a patient is hypovolemic, usual doses of
17 anesthetic drugs cause an exaggerated response
18 in blood pressure.

19 Q The exaggerated response being a drop?

20 A A drop.

21 Q Okay.

22 A And the response of the blood pressure was
23 exaggerated in this circumstance so that,
24 although the amount of drugs in an absolute
25 number is not excessive -- are not excessive

1 relative to Mr. Porter's status at the time,
2 were relatively too great.

3 The amount of drug that's required to
4 anesthetized any given person is extremely
5 variable. The amount that is necessary is
6 classically said as enough and not too much but
7 it's different for each individual.

8 Q Okay. So when we're talking about absolute,
9 then, we're talking about the actual number
10 amount, whereas relative means to you in
11 relation to the patient's condition; is that
12 right?

13 A That's correct, but it -- it is impossible to
14 say whether it is relative or it's absolute
15 inasmuch as I don't know the sequence of the
16 fentanyl as it was originally given. I don't
17 know the exact timing of the propofol because if
18 100 micrograms of fentanyl dropped the blood
19 pressure from 110 to 95, a second 100 micrograms
20 of fentanyl is an absolute overdose and a
21 relative overdose. If 200 micrograms of
22 fentanyl drops the blood pressure to
23 67/40-something at 9:12, it is absolutely an
24 overdose to give 100 milligrams of propofol at
25 9:15 which is what the record states.

1 Q Okay. Doctor, Mr. Porter was what height and
2 weight?

3 A Average is best -- 180 pounds and I don't know,
4 5' 8", 5' 9", something like that. I don't
5 recall his exact height and weight.

6 Q Was he hypovolemic at the time he went to the
7 OR?

8 A I believe that -- I'm sorry. He was 5' 10". I
9 believe that he was relatively hypovolemic at
10 that point in time.

11 Q On what do you base that?

12 A The response of the anesthetics that were given
13 being exaggerated and very profound.

14 Q What was the cause of the hypervolemia?

15 A You mean hypo.

16 Q Hypo, I'm sorry. Hypovolemia.

17 A Either lack of appreciation of intravascular
18 losses either through the dressings, the time of
19 the original injury, or it is conceivable that
20 the sepsis was operative, to some degree,
21 causing a relaxation in blood vessels or at
22 least a change in the resistance of the blood
23 vessels so that the amount of intravascular
24 **blood** was relatively inadequate.

25 Q Okay. Did you base your opinion in this case at

1 all on an assumption that he had a liver
2 laceration that was in existence at the time
3 that he went to the second surgery and that he
4 was bleeding from the liver laceration?

5 A There is no doubt that the information that I
6 had at the time suggested that a liver
7 laceration might have played a role.

8 Q Is it your opinion, as we sit here today, that
9 Mr. Porter had a liver laceration at the time
10 that he went to the operating room on the 15th
11 which was playing a role in what you considered
12 to be a hypovolemic status?

13 A I don't frankly know whether or not the liver
14 laceration was present before or after the
15 anesthetic experience, but it is irrelevant to
16 my statement that I believe the patient was
17 hypovolemic.

18 Q And it was either -- he was hypovolemic either
19 because of loss of blood through the dressings
20 from the injury prior to this operative
21 procedure and/or because of sepsis?

22 A That's correct.

23 Q Okay. And it is your opinion that the response
24 of Mr. Porter to the anesthetic agents which
25 we've talked about, which is the 200 micrograms

1 of the fentanyl, the 100 milligrams of the
2 propofol and the -- which you believe occurred
3 by 9:12 were the cause of his blood pressure
4 dropping to 67/46?

5 A Would you repeat that question, please?

6 MR. TREU: Before we do
7 that, can we go back a couple questions? Sorry.
8 I want to hear his answer to her question as to
9 what he felt, if the liver laceration was
10 present at the time.

11 - - - - -

12 (Record was read.)

13 - - - - -

14 MR. TREU: Thank you.

15 MS. HENRY: And now I've
16 forgotten my last question and answer.

17 THE WITNESS: There wasn't an
18 answer. There was a question, so repeat the
19 question.

20 MS. HENRY: What was my last
21 question?

22 MR. TREU: She is going to
23 read it.

24 MS. HENRY: I think I
25 remember.

1 Q Doctor, you have told me based on your review of
2 this record, including also the depositions of
3 Dr. Quansah, that it is your opinion that she
4 had to administer 200 micrograms of fentanyl by
5 9:12, correct? That's your opinion of when it
6 would have been done by?

7 A None of the drugs cause a change in blood
8 pressure instantaneously. **So** the answer is,
9 yes, they must have been given no later than
10 9:12 but presumably before that.

11 Q Okay. So it's your opinion that there were 200
12 micrograms of fentanyl as well as 100 milligrams
13 of propofol given by 9:12; is that right?

14 A I believe that question has been asked and
15 answered. And my statement was that if the
16 anesthesia record is correct, the propofol was
17 given after 9:12 but the drop in blood pressure
18 would suggest it was given at the same time as
19 the other drugs, which is usual and customary
20 for induction of anesthesia.

21 Q Okay. **So** let's go back to my question. You
22 have reached the conclusion that the drugs that
23 we've talked about, the propofol, which is 100
24 milligrams, and 200 milligrams of fentanyl -- or
25 micrograms of fentanyl were given by 5:12 -- or

1 9:12, and that's when the blood pressure
2 dropped, correct?

3 A That's correct.

4 Q Okay. And the blood pressure dropped to
5 67/46 --

6 A That's correct?

7 Q -- correct?

8 And it is your opinion that because the
9 blood pressure dropped to 67/46, the medications
10 which we have just talked about were a relative
11 overdose of anesthetic agents for
12 Mr. Porter; is that correct?

13 A That's correct.

14 Q Okay. And until those medications are given and
15 you have that response, you do not know that
16 they are going to be a relative overdose,
17 correct?

18 A That's correct.

19 Q You would have given -- you would have found
20 those to be acceptable amounts of those
21 medications to be given to Mr. Porter?

22 A Certainly.

23 Q Okay. And then we talked about the fact that
24 the Forane was started at 9:15 and you were not
25 critical of that?

1 A That's correct.

2 Q And the nitrous oxide was started at 9:20 and
3 you are not critical?

4 A That's not correct.

5 Q Okay. You are critical of the nitrous oxide?

6 A That's not an accurate representation **of** the
7 time.

8 MR. TREU: The time.

9 Q When do you believe the nitrous oxide was
10 started?

11 A Dr. Quansah's record that it was started at
12 9:15.

13 Q Okay. That was my error.

14 Are you critical of her starting the
15 Forane and nitrous oxide at 9:15?

16 A No.

17 Q Okay. Now, it is your opinion, therefore, that
18 the Forane should have been either reduced to .1
19 to .3 percent at nine -- right after
20 administration of it and prior to 9:25, and if
21 that was not, it was a deviation from the
22 standard of care?

23 A You asked me for a specific number and I gave
24 you .1, .2 or .3.

25 Q Right.

1 A But I said to you it needed to be substantially
2 reduced from whatever the preexisting level was.
3 And I don't have indication of whether she was
4 given three percent or five percent Forane at
5 that time, or two percent or one percent or a
6 half percent. But a low level would have been
7 acceptable. And the number of .1 .2 .3
8 represents low levels, but I can't say that .4
9 would have been wrong and .3 would have been
10 right.

11 Q Okay. Then it is your opinion that when she
12 administered the Forane and the nitrous oxide,
13 almost immediately after her administering
14 those, she should have reduced the level **of** the
15 Forane to somewhere in the realm of .1 to .3
16 percent?

17 A We have said that and she should have severely
18 reduced it.

19 Q At what time?

20 A If the blood pressure were seven -- if the blood
21 pressure is --

22 Q Why don't you look at this, okay. Let's try and
23 be specific as to what you say she should have
24 done at what time.

25 A If the blood pressure is 67 at 9:12, it is

1 inappropriate to start Forane and nitrous oxide
2 at 9:15 the way the record reflects it.

3 Q Okay. **So** you are -- so what you're saying is
4 you are critical of her starting Forane and
5 nitrous oxide?

6 A I'm not, but only because I believe the record
7 does not reflect the custom and the practice of
8 anesthesia during which the drugs are given, and
9 the anesthetics are turned on virtually
10 simultaneously.

11 Q Let's assume that the Forane, the nitrous oxide
12 and the other medication -- the other agents
13 which we've talked about were started prior to
14 the drop in the blood pressure of 67/46.

15 A That's what I've assumed.

16 Q Okay. Now assuming that, in fact, is true, at
17 what time should the Forane have been reduced or
18 stopped?

19 A 9:12.

20 Q What about the nitrous oxide?

21 A I would not have been critical of the nitrous
22 oxide had been continued.

23 Q Okay. And the reason that you would have turned
24 off or significantly reduced the Forane is what?

25 A It is a very potent myocardial depressant,

1 vasodilator, and it drops blood pressure.

2 Q So if she started at 9:15, it would not be the
3 nitrous oxide and the Forane. She shouldn't
4 have started it?

5 A That's correct.

6 Q And if it had been started, as you believe it
7 was or assumed it was at 9:12 at the time the
8 other medications were given, she should have
9 reduced the Forane or turned it off?

10 A That's correct. But I know you'd like me to
11 answer yes or no, but we keep saying that the
12 drugs and the blood pressure occurred
13 simultaneously, and I've tried to say it on
14 multiple occasions that the drugs and blood
15 pressure don't happen instantaneously.

16 For a blood pressure to appear at 9:12 is
17 a reflection of activities that occurred in the
18 preceding three to five minutes. So to
19 repeatedly say that something happened at 9:12
20 coincident with the blood pressure of 67 is not
21 accurate, and the activities preceded that blood
22 pressure by several minutes.

23 Q Okay. But what you're saying is when the blood
24 pressure manifested itself so that she could see
25 it on a monitor or something as 67/46, at that

1 point in time she should have either turned off
2 or reduced the Forane?

3 A Correct.

4 Q And to not have turned it off until 9:25,
5 assuming it was kept at the same level, would be
6 a deviation from the standard of care?

7 A Correct.

8 Q What, in your opinion, would have occurred had
9 this -- strike that.

10 Are you assuming, because of what occurred
11 in the pattern of the blood pressure, that the
12 Forane was not reduced?

13 A No. I'm assuming that her record is not
14 accurate. I'm assuming because she said in her
15 deposition that -- I mean, actually, she said
16 this in her written note, a parenthetical sort
17 of a statement, the Forane had been turned off.
18 I'm giving her the benefit of the doubt to
19 assume that when she saw the blood pressure of
20 67/46 she turned it off, but that the record
21 does not reflect what she did.

22 C What is your opinion she should have done at
23 9:12 for the management of Mr. Porter's
24 anesthetic other than reducing or turning off
25 the Forane? What steps should she have taken at

1 that point in time in your opinion?

2 A I think it would have been acceptable to watch
3 it for another two to three minutes, turn up the
4 fluids, turn off or severely reduce the agents
5 that you can turn off and see what happens over
6 a short period of time.

7 Q What agents would you have turned off?

8 A The ones -- the only thing you can turn off is
9 the Forane and the nitrous oxide. And I said
10 that I was not critical of nitrous oxide
11 continuing because of its minimal effect on
12 blood pressure, but the Forane I was more
13 critical of. It occurred in a sequence as the
14 record reflects.

15 Q So you think that at 9:12 she should have turned
16 off the Forane and increased the fluids?

17 A At the very minimum, that's correct.

18 Q And what amount of fluids should she have
19 administered to Mr. Porter, and what fluids
20 should she have administered?

21 A I think she was giving lactate Ringer's. And if
22 she turned it up as fast as it would run, that's
23 how much she should have given.

24 Q What would that be? What would be --

25 A It's an unknown. It's unknown how fast it would

1 run. It is an 18-gauge needle, I believe. An
2 18-gauge IV was in place. And if it is at a
3 gravity flow, the rate that it runs depends on
4 the height the bag of fluid is above the
5 intravenous site.

6 Q So she should have done it wide open?

7 A She should have done it wide open and
8 conceivably put pressure on the bag to increase
9 fluid flow at that point in time. And I would
10 not have been critical if she had given a bolus
11 of some vasopressor at that point in time.

12 Q What vasopressor? Are you saying it would have
13 required her to give a bolus **of** a vasopressor or
14 you just wouldn't be critical?

15 A No. I think that if in the next blood pressure
16 in a couple of minutes -- she alluded in her
17 deposition to hitting the stat button on the
18 blood pressure. And the way that works is that
19 **as** opposed to cycling the blood pressure cuff
20 every two or three minutes, you press the button
21 and the machine gives you a rapid response in a
22 sequence that occurs every 20 or 30 seconds.

23 If she had followed the blood pressure at
24 a rapid rate over the next two or three minutes
25 and there was no response to the blood pressure,

1 then I think the administration of a vasopressor
2 would have been mandated at that point in time.

3 Q So if by 9:15 or so we still had a blood
4 pressure of 67/46 or very close to that, she
5 should have given --

6 A Something.

7 Q -- what?

8 A There is no correct answer.

9 Q What are the appropriate things that should have
10 been given and what amounts?

11 A There is not a correct answer to that, Counsel.
12 There are five or ten vasopressor drugs. The
13 common ones that are used are ephedrine,
14 Wyamine, and that is at a lower level of
15 aggressiveness. Phenylephrine is one notch more
16 aggressive. It works differently and it's more
17 aggressive. Dopamine, dobutamine. There are 15
18 or 20 different drugs that support the blood
19 pressure. And phenylephrine, the drug that she
20 chose, I'm not particularly critical of.

21 And I frankly believe that, once again,
22 the medical record does not reflect, does not
23 reflect what she actually did because it's in
24 conflict with what she said in her deposition.

25 Q If you use dopamine or dobutamine, how do you

1 administer that?

2 A Continuous infusion.

3 Q So you have to get it hung, titrate it?

4 A Correct. That's correct.

5 Q And that's not going to have as quick a response
6 as something that you can give a bolus of right
7 away, correct?

8 A I'm not suggesting that dopamine or dobutamine
9 or any of the drugs is better or worse than her
10 choice.

11 Q Okay.

12 A But to point out I'm --

13 Q Well, what you're saying is that at 9:15 if the
14 blood pressure had not come up from 67/46, she
15 should have given something?

16 A To artificially support the circulation.

17 Q And how quickly would you have wanted to get in
18 the system and get a response to artificially
19 support this system?

20 A I would like the drug that she gave to be given
21 on or about 9:14 or 15 as the blood pressure is
22 cycling, and would expect a response from it
23 within two to three minutes. Probably within a
24 minute.

25 Q Now, when she did give the medication here to

1 support the blood pressure, did she get a
2 response?

3 A It's impossible for me to tell because the
4 medical record says she gave the phenylephrine
5 at 9:25 and in a single dose, which is also the
6 time that the medical record says that the
7 patient was lifted from the OR bed to a prone
8 position. And she clearly states in her
9 deposition that she titrated 200 micrograms of
10 phenylephrine on or about the time preceding and
11 during the turn.

12 So I can't -- I can't make any sense out
13 of the fact that she -- her record says she gave
14 100 mics of phenylephrine at a point in time
15 when her record also says the patient was lifted
16 from the OR bed. Yet in her deposition she
17 says, I said to the people in the room, We can't
18 turn him until I give the phenylephrine.

19 So the timing, the sequence, is not
20 consistent again. And I am left trying to
21 interpret the medical record and the blood
22 pressure, trying to give her the benefit of the
23 doubt as to when she gave them. And I suspect
24 that she gave the phenylephrine in response to
25 the blood pressure of 67/46.

1 Q At what time are you saying that you believe she
2 gave it?

3 A I believe she gave it shortly after she saw the
4 blood pressure of 67/46. but that's not what she
5 wrote down

6 Q There was no response to the phenylephrine which
7 would have been appropriate in this case; is
8 that correct?

9 A There was a response

10 Q But was it an acceptable response?

11 A I think it was a -- I think the blood pressure
12 went down 67 back to 30 over the next three
13 minutes in response to the phenylephrine

14 Q Should the procedure have continued?

15 A I think that we are at a point right there in
16 time where we have to seriously consider whether
17 or not the procedure should have continued

18 Q Okay In your expert report you say that the
19 operation should have been terminated within the
20 initial 15 to 30 minutes of the procedure; is
21 that right?

22 A That's correct

23 Q Okay So according to what we see in the
24 record, at what time specifically would you say
25 that should have been terminated?

1 A Would you like to base that answer on the record
2 or what I presume really happened?

3 Q Well, what time did the surgery start?

4 A The surgery started at, according to the record,
5 about 9:35.

6 Q Okay. And do you believe that the actual
7 surgery by Dr. Ghanma started at 9:35?

8 A About that. I believe that the patient was
9 turned prone at 9:25. And I believe there was
10 some positioning and spraying with prep solution
11 and drapes were applied and that he probably
12 began surgical stimulus around 9:35.

13 Q So when you say it should have been terminated
14 within the initial 15 to 20 minutes of the
15 procedure, are you talking about from the time
16 that Dr. Ghanma started the actual surgical
17 procedure?

18 A No.

19 Q Okay.

20 A I'm talking about within 15 to 30 minutes of
21 9:12.

22 Q Okay. So at what time should this procedure in
23 your opinion have been stopped?

24 A When we -- when there has been a total of 300
25 micrograms of phenylephrine, the fluids have

1 been increased, 'surgical stimulation has begun,
2 anesthetics have been turned off and we can't
3 get a blood pressure any better than 88, I
4 believe it's time to say whoa.

5 Q **So** tell me the time that you would have said
6 this should have stopped?

7 A I would have began talking to the surgeon by the
8 time that we were talking about turning him at
9 9:25.

10 Q Okay. And what would you have been telling the
11 surgeon?

12 A There is something going on that is not as is
13 advertised. I have turned off my anesthetic
14 agents. I'm giving this patient nothing but
15 oxygen. I have given one or two, or some
16 segment **of a** very potent vasopressor and I can't
17 get the blood pressure over 80 to 85. There's
18 something going on here that I don't know what's
19 going on. I believe we need to seriously
20 consider aborting this thing.

21 Q Okay. And so the surgery would not have even
22 been started by Dr. Ghanma, the actual surgical
23 incision?

24 A There wasn't an incision.

25 Q The start of debridement would not have started?

1 A But clearly at a point in time when he is
2 hurting the patient, the first thing is that a
3 dose of phenylephrine was given with minimal
4 response.

5 The second indicator that there's a
6 problem is a second dose of phenylephrine is
7 given twice the size of the first dose and
8 nothing very phenomenal happens.

9 The third thing that happens is that we've
10 begun surgery without benefit of anesthesia and
11 nothing happens.

12 Q So stop right there. Are you saying that
13 Mr. Porter is being operated on at this point in
14 time as if he had not been given anything? You
15 know, what are you saying about -- you said
16 "without the benefit of anesthesia."

17 A The nitrous oxide had been turned off, the
18 Forane had been turned off, the propofol has
19 been metabolized. We have now only fentanyl on
20 board and paralysis. The patient is being
21 ventilated with 100 percent oxygen, no
22 anesthetic gases are being given. The propofol
23 is gone. We have only the dose of fentanyl and
24 surgical stimulus without anything but a dose --
25 the fentanyl musters a blood pressure only to

1 85.

2 Q Okay.

3 A And that is within the 15 to 30-minute window
4 that I was speaking of after that 9:15 beginning
5 time -- 9:12.

6 Q So is there any narcotic effects on Mr. Porter
7 at this point in time? Is he feeling pain? Are
8 you trying to say he's feeling pain somehow?

9 A I don't know.

10 Q Okay. Are you going to be giving any opinions
11 in this case that somehow during this surgical
12 procedure Mr. Porter was feeling pain,
13 consciously feeling pain?

14 A There is nothing that Mr. Porter has in his body
15 at 9:35 that renders him unconscious.

16 Q My question is: Are you going to be giving an
17 opinion in this case that, at the time that
18 Dr. Ghanma started his surgical procedure;
19 Mr. Porter was consciously feeling pain? Yes or
20 no?

21 A I hadn't thought about that.

22 Q Well, as represented by your lawyer at a
23 pretrial, I'm asking you.

24 MR. LANSLOWNE: Well, wait a
25 minute. Let's not ask questions about what I'm

1 representing. What I said at the pretrial is
2 the narcotic agents had been removed and that
3 the patient was, in fact, experiencing pain.

4 MS. HENRY: Okay.

5 MR. LANSLOWNE: **So** in a legal --

6 MS. HENRY: Let me give him
7 this question.

8 Q Are you going to give an opinion, to a
9 reasonable degree of medical certainty, at the
10 time of trial that Dr. Ghanma started his
11 surgical procedure, and during the time that he
12 was working on Mr. Porter, that Mr. Porter was
13 consciously feeling pain?

14 A I don't have any way in the world of knowing
15 what Mr. Porter felt. Consciousness under
16 anesthesia is not unheard **of** even when major
17 anesthetics are given. And all I can say is he
18 did not have any major anesthetics going.

19 Q Is there any way -- is there any sort **of** test or
20 any way to measure whether or not a patient
21 under any kind of anesthetic agent is feeling
22 pain?

23 A The response is heart rate and blood pressure.

24 Q Is there anything in this record? So I'm clear,
25 and I want to know your opinion before we get to

1 trial, are you going to testify to the jury, to
2 a reasonable degree of medical probability based
3 on your review of this record, that it is your
4 opinion that Mr. Porter was feeling conscious
5 pain at the time **of** the surgical procedure by
6 Dr. Ghanma? Yes or no?

7 A That is --

8 MR. LANSLOWNE: Objection.

9 A That is an unanswerable question. I can say,
10 with a reasonable degree of medical certainty,
11 that there were no anesthetic agents operative
12 except for the .fentanyl.

13 Q Okay. Which is a narcotic?

14 A Which is a narcotic.

15 Q Used for pain?

16 A Used for pain.

17 Q It would, therefore, be speculation as to
18 whether or not Mr. Porter was feeling conscious
19 pain during **the** surgical procedure by
20 Dr. Ghanma, correct?

21 A It is an unanswerable question.

22 MR. LANSLOWNE: Objection,
23 conscious pain.

24 Q It would be speculation as to whether or not
25 Mr. Porter was feeling pain during this surgical

1 procedure, correct?

2 A I don't know how to answer the question
3 except --

4 Q You can't say, to a reasonable degree of medical
5 certainty or probability, that he was
6 experiencing pain, correct?

7 A Oh, I think there is no doubt in my mind that
8 there was pain present. Whether or not he was
9 conscious of it or not is unknown to anyone.

10 Q Okay. All right. So it's your opinion,
11 therefore, in this case, that at 9:25, prior to
12 Dr. Ghanma even starting this procedure,
13 Dr. Quansah should have been talking to him
14 about what had been going on, and at that time
15 she should have already turned off the Forane,
16 the nitrous oxide, and have given wide open
17 fluids and already have given epinephrine or
18 something of that effect, correct?

19 A No, I did not say the nitrous oxide should have
20 been turned off.

21 Q Okay. At 9:25 she should have been saying to
22 Dr. Ghanma before he started the procedure, You
23 know, I'm having problems here, and she should
24 have already turned off the Forane?

25 A Correct.

1 Q And should have already administered, at 9:14 or
2 15, something which you would have expected a
3 response from in one minute?

4 A Blood pressure.

5 Q For the blood pressure?

6 A Yes, that's correct.

7 Q And should have advised Dr. Ghanma that he
8 shouldn't have proceeded with the procedure?

9 A I didn't say that. I said there should have
10 been a discussion of it. She should have said,
11 "I'm not giving any anesthetic agents and I
12 can't keep the blood pressure together."

13 Q Okay. In your opinion as an anesthesiologist,
14 should Dr. Quansah have said to Dr. Ghanma, "I'm
15 not" -- "I can't keep the blood pressure
16 together and I don't think we should proceed
17 with this case"?

18 A I agree with the first half of it. The second
19 half of it becomes a surgical decision.

20 Q And what is the -- what would be the basis of a
21 surgical decision be in that situation for an
22 anesthesiologist to say --

23 A It occurs all the time. I mean, the inability
24 to give an anesthetic, a traditional anesthetic
25 to people who are unstable happens in the trauma

1 room all the time. And what **is** done then is
2 there is something given to maintain amnesia.

3 Q And what would be given -- assume that
4 Dr. Ghanma said, "Let's proceed with this.
5 What would be given and in what amounts and
6 when?

7 A One would --

8 MR. LANSDOWNE: Wait a minute.
9 You're asking him to assume that Dr. Ghanma said
10 something different than he said he would have
11 done other oath in his deposition.

12 MS. HENRY: I understand
13 that. I understand that.

14 Q Let me --

15 MR. LANSDOWNE: Okay. All
16 right.

17 MS. HENRY: I said "assume".

18 MR. LANSDOWNE: Okay. You're
19 right.

20 MS. HENRY: Assume.

21 MR. TREU: Is this a good
22 time to take a break?

23 MS. HENRY: No, but you can
24 leave.

25 MR. TREU: All right. Go

1 ahead.

2 BY MS. HENRY:

3 Q Assume that she had said to Dr. Ghanma, which
4 you said, and a decision was made that, "This
5 procedure should proceed," you say that the way
6 to do that would be to give some agent and
7 continue with the procedure, correct?

8 A Correct.

9 Q And what in our hypothetical here would have
10 been given and in what amount?

11 A One would have given scopolamine for its
12 amnestic effect, additional doses of midazolam
13 for its amnesia, or one would have tried to
14 continue to give 50 percent or 60 percent
15 nitrous oxide to the balance of the anesthetic
16 to maintain amnesia with minimal depression of
17 the cardiovascular system.

18 Q What about the scopolamine, what amount would be
19 given?

20 A .4 milligrams, .6, .8 milligrams.

21 Q At what time would that -- should that have --
22 if you're going to proceed would you give that?

23 A I'd give it right then. If you have -- if I
24 have been forced to terminate all of my major
25 anesthetics, I would give those drugs on or

1 about that same time.

2 Q And does that have any kind of a cardiovascular
3 effect, scopolamine?

4 A It may raise the heart -- it may tend to raise
5 the heart rate, but in somebody with a blood
6 pressure or heart rate of 130, I doubt it would
7 do anything.

8 Q Mida?

9 A Midazolam. Versed, V-e-r-s-e-d, is the trade
10 name. It's easier.

11 Q Does that have any cardiovascular effects?

12 A It can have a cardiovascular effect. It can
13 drop the blood pressure. And so one would be
14 required to give it judiciously and hope the
15 amount given was enough to create amnesia.

16 Q And the amount you recommend to be given?

17 A Somewhere between two, three, four milligrams
18 titrated over many minutes, if one was to use
19 that approach.

20 Q How many minutes?

21 A Five, six.

22 Q And 50 percent to 60 percent nitrous oxide?

23 A That would have been my choice for amnesia. It
24 would have been to continue nitrous oxide.

25 Q What would be done to try and keep the blood

1 pressure stable?

2 A Just what she did to treat it, as any other
3 roaring emergency trauma that comes in where you
4 run fluids as fast as you can and start more
5 IVs, and run more fluids and try to keep -- and
6 then you're required -- in that circumstance,
7 you are required to give paralysis. And it's
8 treated like any patient who comes in with a
9 motor vehicle accident or a gun shot wound who
10 comes into the operating room for surgery with
11 no blood -- low or no blood pressure and
12 depressed.

13 Q And you give -- required to give paralysis?

14 A That's correct.

15 Q From what we've been talking about would give
16 the paralysis?

17 A Vecuronium.

18 Q Another name for that?

19 A Rocuronium is the real name.

20 - - - - -

21 (Recess taken.)

22 - - - - -

23 BY MS. HENRY:

24 Q Doctor, you said in your report here that had
25 the operation been terminated within the initial

1 15 to 30 minutes of the procedure, which we are
2 talking about, according to your testimony, 15
3 to 30 minutes of 9:12 now, correct?

4 A Uh-huh.

5 Q That Mr. --

6 A Yes.

7 Q That Mr. Porter would have -- the acute survival
8 by Mr. Porter would have been highly probable if
9 not certain, correct?

10 A Yes.

11 Q When you talk about acute survival, what do you
12 mean?

13 A I mean that he would have likely lived to
14 undergo appropriate diagnostic and therapeutic
15 intervention which would have been mandated as
16 part of his medical care.

17 Q **So** he would have come out of the operating room
18 alive, is that what you're saying?

19 A Yes. Yes.

20 Q And assume that -- what if the surgeon felt that
21 if they terminated the procedure and the surgeon
22 felt that he still needed to do additional work,
23 what, in your opinion, would need to have been
24 done before going back in for surgery for
25 Mr. Porter?

1 A I think he needed to most likely have central
2 line placement, summation of intravascular
3 volume. Probably to begin with there would
4 probably end up being a cardiac echo if the
5 information derived from the pulmonary artery
6 catheter were not conclusive. There would have
7 been restoration of the relative hypovolemia
8 that we talked about, or the absolute
9 hypovolemia that we talked about, and he would
10 have been made a better surgical candidate for
11 the -- for what needed to be done, and I
12 don't -- I don't disagree that infection needed
13 to be eliminated by debridement or drainage or
14 whatever method.

15 Q The restoration of hypovolemia would have
16 consisted of what? What would have been given
17 to him, blood or fluid?

18 A Probably not blood, but likely substantially
19 more crystallized. And depending on what part
20 of the country you're in, there may have been
21 colloids.

22 It is unlikely -- it is unlikely that
23 blood would have been given unless -- unless the
24 fallen hematocrit that was manifest on day two
25 continued, and **unless** the additional fluids I

1 had mentioned. Ringer and normal saline, the
2 crystalloids and colloids had ended up diluting
3 down his red cell mass, and is it had ultimately
4 gone into the 20s, there are some that would
5 have transfused red blood cells at that point in
6 time and others might not

7 Q What do you believe was the cause of the fallen
8 hematocrit?

9 A I think it was a combination of blood loss at
10 the time of the trauma coupled with ongoing
11 bleeding through the dressings, combined with
12 the administration of fluids which tended to
13 dilute down the red blood cells that were left
14 Q So then you are saying that there was no -- there
15 you are saying, therefore, there was no bleeding
16 from a liver laceration contributing to the
17 fall --

18 A I said that I didn't know one way or another.
19 And I'll let the big boys argue about that as to
20 whether it was or wasn't, but I feel absolutely
21 certain that what I told you was accurate and
22 the rest of it is above my level

23 Q Okay. Even with all your expertise in critical
24 care?

25 A I'm not a pathologist

1 Q Okay. Based on your experience in critical care
2 that you said that you've had, as well as your
3 experience with these many years as an
4 anesthesiologist, had that procedure had to have
5 been stopped before Dr. Ghanma even did anything
6 for Mr. Porter, how much delay could have
7 occurred before he needed to have this
8 debridement done?

9 A Well, I think that the debridement would
10 probably need to be done within the next ten to
11 12 hours but that is a wild, wild guess because
12 there are ways of -- there are ways of packing
13 extremities in ice. I mean, people have rotten
14 legs that are infected, arteriosclerotic heart
15 disease, the diabetics who have gangrenous legs
16 who are rotten and are -- the movement of
17 bacteria and bacterial byproducts from an
18 infected extremity into the central circulation
19 needs to be -- needs to be minimized and
20 ultimately needs to be fixed. But did it have
21 to be been in 30 minutes? No. Could it have
22 waited three or four days? No.

23 Q So it's your opinion, based on your critical
24 care background as well as your experience in
25 anesthesiology, that in Mr. Porter's situation

1 you could have waited ten to 12 hours to take
2 him back to the OR, assuming that Dr. Ghanma had
3 done nothing?

4 MR. LANSDOWNE: Wait a minute.
5 He said it was a wild guess not -- you know, if
6 you want to find out if that's his opinion, you
7 can ask another question. But presuming that's
8 what was his opinion when he said "a wild
9 guess," I think, is inappropriate.

10 Q Do you have an opinion, to a reasonable degree
11 of medical certainty, based on your training and
12 experience, as to whether or not this surgery
13 could have been stopped prior to any
14 intervention by Dr. Ghanma for a period of time
15 to do those things which you said medically
16 would have been done as intervention without
17 compromising Mr. Porter's survival?

18 A I'm sorry. That was a long one there. My
19 understanding of the question is: Do I think we
20 could have stopped the surgery and that we could
21 have then provided medical intervention and, as
22 they say, fine-tuned and doctored on him for a
23 while without having adversely affected his
24 outcome.

25 Q Without affecting his survival in the case?

1 A That's what I meant by outcome.

2 Q Yeah.

3 A And I said absolutely.

4 Q And for what period of time could surgery have
5 been delayed before intervention to -- so that
6 it wouldn't affect his outcome?

7 A That's yet another area where communication
8 between the person in the intensive care unit
9 who's doctoring on him and the surgeon need to
10 come in to play.

11 If you would allow me to -- for instance,
12 if we have gone 12 to 14 hours on trying to
13 improve his physiological condition and are
14 getting nowhere because of what's felt to be
15 ongoing sepsis and that there's no way to fix
16 it, then -- and my surgical colleague says,
17 "We're going to have to bite the bullet and go,"
18 I would defer to the surgical colleague.

19 If we are making progress and improving
20 things, his blood pressure is stabilizing and
21 we're making progress, I would try to, I
22 believe, optimize that before we went back to
23 the operating room. But if my surgical
24 colleague says, "We're losing, let's go," then I
25 would do the best of my ability to keep the

1 patient alive and allow the debridement.

2 Q Okay. It's your opinion that he was hypovolemic
3 and that really was a source of all the problems
4 with the anesthesia in this case. Is that
5 simplistically what your opinion is?

6 A Except that I said relative or absolutely
7 hypovolemic, that the amount of blood that was
8 in his vascular system was not sufficient either
9 because of the size of the tank or the size of
10 the vascular space, or because of the absolute
11 amount of blood that was there. And I'm --

12 Q I thought you said earlier that he was
13 hypovolemic either because of blood -- loss of
14 blood or because of his sepsis?

15 A That's exactly what I said.

16 Q Okay.

17 A And sepsis makes the tank bigger, and blood loss
18 makes the tank the same size but makes the blood
19 that's in it less.

20 Q Okay. Did Dr. Ghanma know at the time of this
21 surgery that Mr. Porter was hypovolemic?

22 A I don't believe so.

23 Q Did Dr. Quansah know at the time she started the
24 anesthesia that Mr. Porter was hypovolemic?

25 A Before she started it?

1 Q Uh-huh.

2 A I don't think so.

3 Q Okay. It is your opinion that what happened at
4 9:12 after the administration of the medication,
5 the anesthetic agents and his response to it, is
6 an indication that he was hypovolemic?

7 A That's correct..

8 Q Was there anything in this record that could
9 have told either Dr. Ghanma or Dr. Quansah that
10 Mr. Porter was hypovolemic prior to the surgery?

11 A There are soft signs, but there's nothing that I
12 would say that's absolute that says this one
13 physical finding says hypovolemic period.

14 Q What are the soft signs that you saw in the
15 record of hypovolemia?

16 A Just the fact that the blood pressure was coming
17 down and the heart rate was going up.

18 Q Did the white blood count and the fever --

19 A They make me think he has an infection.

20 Q Okay. Which is the sepsis we're talking about,
21 which is an indication of what may have been
22 what caused the hypovolemia?

23 A It could play a role. I think it's
24 multifactorial. I do not believe any one
25 specific thing can be attributed to the cause of

1 what was going on.

2 **As** I've said over and over, I only know
3 that the response to these anesthetics declared
4 that there was something going on and it's most
5 likely the response of hypovolemia.

6 Q You say here in your report that -- if you want
7 to look at it, Doctor, so we're looking at the
8 right part, that there was -- he was required to
9 have this ongoing operation without a legitimate
10 medical diagnosis. What do you mean by "without
11 a legitimate medical diagnosis"?

12 A That the people -- that the anesthesiologist,
13 specifically since she was taking it on herself
14 to be totally and absolutely responsible for the
15 hypotension, she didn't know why he was
16 hypotensive and why he didn't respond to her
17 intervention.

18 Q **So** when you talk about the legitimate medical
19 diagnosis, you are saying in reference to his
20 hypotension?

21 A She didn't know why -- that's correct.

22 Q Okay. And what communication do you understand
23 occurred between the anesthesiologist and the
24 operative surgeon based on your review of the
25 deposition?

1 A Well, **Dr.** Quansah says in her deposition that
2 she said, "I need to treat his blood pressure
3 before we turn him over," with the disclaimer
4 that she does not know whether Dr. Ghanma was
5 present or even heard that.

6 She also, in deposition though, stated
7 very specifically that taking care of the blood
8 pressure was her responsibility and she didn't
9 need to talk to anybody about that.

10 Q I'm just asking you what the communication was
11 that you understood took place, okay?

12 **So** what do you understand Dr. Ghanma's
13 testimony is as to any communication?

14 A My understanding was he was told that she was
15 quote, having trouble with the blood pressure at
16 10:00.

17 Q What's your understanding of why Dr. Ghanma was
18 doing this procedure?

19 A Because there was dead and necrotic tissue in
20 the thigh that served as a nidus for infection,
21 and that prior to the ultimate repair of the
22 tissue defect, infection needed to be under
23 control.

24 Q Do you have any opinion as **to** whether or not
25 this laceration of Mr. Porter's thigh at the

1 time he went to the operating room on the 15th
2 was highly contaminated?

3 A I don't have any evidence that it was highly
4 contaminated. I think there was a strong
5 suspicion that it was.

6 Q Does --

7 A But the --

8 Q Go ahead.

9 A But the culture results, as I said before, I
10 don't believe were back in anybody's possession.
11 But when you have a major wound that you can't
12 close and it's been infected, it's not unlike
13 the multiple wounds that occurred during Vietnam
14 when people stepped on bungee sticks and land
15 mines, and those are infections until proven
16 otherwise.

17 Q Okay. **So** you don't wait for the culture results
18 to come back?

19 A **No.**

20 Q You **look** at how the laceration occurred, what
21 the circumstances surrounding it were and then
22 you exercise your judgment **as** to whether or not
23 you believe there is a high potential for
24 contamination, correct?

25 A Correct.

1 Q Did the fact this deep thigh laceration occurred
2 while Mr. Porter was in Lake Erie, and he was in
3 Lake Erie for a period of time before he was
4 ultimately taken to the hospital, have any
5 significance to you as to the potential for
6 contamination?

7 A Can we go off the record?

8 MR. LANSDOWNE: Better not.

9 A I am not knowledgeable about the organisms that
10 grow in Lake Erie, but I've been led to believe
11 that Lake Erie has the potential for
12 contamination.

13 Q Okay. You said that rather nicely.

14 Do you agree that the laceration sustained
15 by Mr. Porter was of limb-threatening severity?

16 A That's not within my area of expertise.

17 Q Do you have an opinion as to whether or not
18 Mr. Porter experienced a sudden bacterial sepsis
19 during the debridement on 7-15-95 that resulted
20 in what occurred in the operating room as far as
21 the reaction?

22 A I have not read the deposition that talks about
23 sudden bacterial sepsis syndrome but -- and so I
24 cannot comment specifically as to whether or not
25 there was a sudden bacterial episode during the

1 debridement, but can only suggest that his
2 instability occurred and was occurring well
3 before any debridement occurred.

4 Q Does bacterial sepsis occur -- strike that.

5 So what you're saying is a sudden
6 bacterial sepsis during the debridement means
7 during the actual procedure being performed by
8 the doctor?

9 A Correct.

10 Q You said earlier that there were various texts
11 that you could refer to that talk about the
12 management of the -- strike that.

13 You said earlier that there are various
14 texts that talk about the discussion of what
15 sepsis is. Do you have one that you find to be
16 authoritative?

17 A Not on that particular topic, no.

18 Q Okay. Do you have any anesthesia texts which
19 you consider to be authoritative?

20 A I don't -- I don't, frankly, consider any
21 textbook to be truly authoritative. And I've
22 got to tell you that I sat on a panel in Miami
23 with two of the premiere intensivists in the
24 United States, one by the name of Mark Wile and
25 one by the name of Shoemaker, one an intensivist

1 and one a surgeon, who sat on the stage for a
2 solid hour for a definition of sepsis. And I
3 was a junior faculty at the time **so** I tried to
4 hide as much as possible so as not to be swept
5 into the vortex, but they have each written
6 prolific amounts defining, in their opinion, the
7 definition of sepsis and the sepsis syndrome.

8 Q What I guess I was asking you was whether you
9 consider any texts to be authoritative in the
10 area of anesthesia. And you said --

11 A Anesthesia texts tend not to discuss sepsis
12 syndrome in much detail.

13 Q **So** I'm asking separate from that. I'm on to
14 another question. Do you consider any texts to
15 be authoritative in the area of anesthesia?

16 A I can tell you the textbooks that have national
17 recognition. I have trouble with the definition
18 of authoritative.

19 Q Well, what do you mean by "national
20 recognition"?

21 A Texts that are generally used in most training
22 programs as reference texts.

23 Q Do you have texts which, as chairman of the
24 department of anesthesia with the university
25 down there in Arkansas, you have chosen as the

1 appropriate reference texts for --

2 A No.

3 Q -- for your residents?

4 A No.

5 Q What reference texts are your residents referred
6 to in the program having to do with anesthesia?

7 A There are -- there is a whole multitude of
8 anesthesia textbooks. For general textbooks,
9 the ones that are edited by Barash or by Ron
10 Miller or by Gravinstein or by -- there's a new
11 version of a British text which has had some
12 popularity. It's the Practice of Anesthesia
13 by -- originally it was by Churchill-Davidson.
14 It's a hyphenated name, and that is popular in
15 some circumstances.

16 Q Well, what I'm asking you is in your being the
17 head of the department of anesthesia, and I'm
18 sure that you have some input into what the
19 residents that are in the program at your
20 university are referred to, what texts are they
21 referred to?

22 A All of those texts are in the anesthesia
23 library.

24 Q You just say, "Go to the library and look it up
25 in the text"?

1 A No.

2 Q If you had to give one of them which of those
3 that they should go to for a general anesthesia
4 question, which one would you refer them to?

5 A A general anesthesia question? I would refer
6 them equally to any of them. Having written a
7 chapter for Barash, I have a bias.

8 Q So you refer them to Barash.

9 A And having been invited to write a chapter for
10 the new Churchill-Davidson, there is some bias,
11 but it would be remiss to suggest those were any
12 better or any worse than anything else.

13 Q Would it have been appropriate in this case to
14 do a spinal for the second surgery?

15 A There are -- probably not.

16 Q Okay. Why not?

17 A There's a whole multitude of reasons. The first
18 of them is the patient refused it so you'd have
19 been in conflict with patient's desires.

20 Q Taking that aside.

21 A Taking that aside, the blood pressure problems
22 that one had with the general anesthetic would
23 have been probably compounded because a general
24 anesthetic is a titration of pain against
25 poison.

1 The anesthetic agents are all poisons and
2 the brain still senses pain, and it is a
3 constant ongoing titration of one against
4 another.

5 A spinal anesthetic, on the other hand,
6 totally eliminates the transmission of pain from
7 the operative area to the brain. At the same
8 time, it causes absolute increase in the size of
9 the vascular space that we talked about before
10 with some of the drugs.

11 Q So it would have made it -- even the problems
12 would have been even greater?

13 A There's no argument about that. Plus there's a
14 large number of people that would suggest that
15 the presence of sepsis or the presence of
16 bacteremia or the presence of whatever you want
17 to call the fever and probable bacteria would
18 preclude making a hole in the dura for fear of
19 giving a central nervous system infection.

20 Q In your letter you refer to repeated doses of
21 potent vasoactive drugs. And the potent
22 vasoactive drugs that you're talking about that
23 he got repeated doses of were what?

24 A Phenylephrine and then ultimately epinephrine.

25 Q And when you say "potent," I mean, how do you

1 determine what is potent versus, you know, not
2 potent? I mean, you use these terms.

3 A I use the term in that the -- if you recall, I
4 talked about ephedrine or Wyamine. Those are
5 drugs where, even if I make a three-fold error
6 in my calculation of the appropriate dosage, I
7 do not have an overwhelming blood pressure
8 response. They're drugs that have a high margin
9 of safety. If you don't give enough, you don't
10 get a response, but if you give too much, you
11 don't raise the blood pressure to potentially
12 lethal levels.

13 Phenylephrine is not one of those more
14 benign drugs but is a drug that is extremely
15 potent, which in the dose that it was used, and
16 that is to say that you seldom don't get a
17 response and the response, not infrequently, is
18 a phenomenal hypertensive response.

19 Q If a patient has sepsis or is septic, does that
20 affect their response to the phenylephrine? Do
21 they have **less** response, more response?

22 A They would **probably** have less response.

23 Q Why?

24 A Well, because phenylephrine does nothing for the
25 myocardial contractility. And part of what --

1 once again, if you -- back into the sepsis
2 argument again. If you have a full-grown sepsis
3 syndrome, the heart doesn't squeeze as well **as**
4 it's supposed to so all of the responses,
5 whether it's hypovolemic, absolute hypovolemic
6 or relative hypovolemic with sepsis, the
7 response to phenylephrine will be modified and
8 minimized to some degree.

9 Q Is it your opinion the amounts of phenylephrine
10 given by Dr. Quansah when she did give it was
11 inappropriate?

12 A No. I think that -- I'm not critical that the
13 amount that she gave was inappropriate. I'm
14 critical of the fact that she gave what is a
15 reasonably profound dose and saw no response and
16 didn't do anyth'ing. I'm critical of her failure
17 to appreciate the lack of response both to the
18 phenylephrine and to the epinephrine.

19 Q If she did get the phenylephrine and the
20 epinephrine and the -- and got the response that
21 she did, in your opinion what should she have
22 done after that?

23 A Just what she should have done before, which was
24 say "Let's stop".

25 Q Okay.

1 A Shouldn't have been there. But once she got
2 there, if you've got to use the **dose** of
3 epinephrine, that's the same as you use in a
4 cardiac arrest. You miss the boat to think that
5 everything's fixed.

6 Q So at 9:12 or nine -- 9:12 she should have
7 really started talking about stopping this?

8 MR. LANSLOWNE: Are we going
9 back over where we were about an hour ago?

10 MS. HENRY: No. But I want
11 to --

12 Q As far back as 9:12, it's your opinion she
13 should have started talking about stopping this
14 procedure?

15 A I believe my letter says that I would give her
16 the grace of ten to 15 minutes, but that clearly
17 within 15 to 30 minutes that things -- the die
18 had been cast. The failure to respond was well
19 documented and there should have been discussion
20 about termination within 15 to 30 minutes after
21 that period of time.

22 I don't think that -- I don't think that
23 saying, "Gee, I've got a drop in blood pressure
24 with my induction, I've had to turn down my
25 anesthetic agents, let's quit right now" is

1 justified. But if it had been me, if I'd seen
2 these responses that had gone on that period of
3 time, I would hope I would have been talking to
4 the surgeon. "We've got problems going on."

5 Q And you've already told me that if there was a
6 decision to continue, we've discussed what you
7 think should have been given at that time?

8 A Correct.

9 Q Starting with the scopolamine and that sort of
10 thing.

11 And your opinions really in this case are
12 as to survival. That had it been stopped, he
13 would have come out of the OR alive?

14 A That's correct.

15 Q And you have no opinions as to what his survival
16 would have been had this been terminated prior
17 to the debridement and he had come out of the
18 operating room as far as long-term, correct?

19 A My opinions there would be based on what the
20 ultimate diagnosis of his problem was. And I'm
21 not in a position to comment on that because, as
22 I said, that's -- I'm not a pathologist.

23 Q That's someone else's bailiwick?

24 A Yes, ma'am.

25 Q Okay. Have we covered everything that you

1 believe was a deviation from the standard of
2 care by Dr. Quansah?

3 MR. LANSDOWNE: Objection. Go
4 ahead.

5 A I think we've covered the majority, yes.

6 Q Anything else?

7 A Not that's on the tip of my tongue.

8 Q Okay. Do you plan to review anything else
9 before your testimony at trial?

10 A I would defer to what counsel suggests that I
11 need to review that may be helpful.

12 Q Okay. You have reviewed the expert reports, I
13 think you said. I think -- opinion letters you
14 called them. Which opinion letters did you
15 review?

16 A I don't -- do we have a list of what I -- I
17 mean --

18 MR. LANSDOWNE: I can tell you I
19 showed him all of them.

20 MS. HENRY: Okay.

21 MR. LANSDOWNE: I just, you
22 know, had a packet and he saw all of them. I
23 don't know what times he saw each one though.

24 MS. HENRY: Okay.

25 Q Based on everything that you reviewed, Doctor,

1 do you have any opinion **as to** whether or not
2 there was an inadvertent extubation or
3 obstruction of the tracheal tube that leads, in
4 any way, to what occurred in this case?

5 A Do I have an opinion?

6 Q Yeah.

7 A Yes, I have an opinion.

8 Q What's your opinion?

9 A It didn't.

10 Q Okay. You did review, I'm sure, the report
11 then, of Dr. Hirshman from Johns Hopkins
12 University?

13 A Yes, I did.

14 Q Okay. Do you know Dr. Hirshman?

15 A By reputation only.

16 Q And what is that?

17 A She's a good anesthesiologist.

18 Q Do you know where she currently practices?

19 A No. I know what letter her -- what her letter
20 had was --

21 Q Johns Hopkins.

22 A I know that's a multitude of opportunities where
23 one practices within that system.

24 Q Do you know whether she did any critical care
25 anesthesia, trauma anesthesia?

1 A I don't know what she did other than she is --
2 her reputation is, I believe, involved in
3 critical care.

4 Q Okay. And obviously, because she reaches a
5 different conclusion than you do in this case,
6 you do not agree with her opinions?

7 A I think -- I agree with many **of** her opinions but
8 there were issues that Dr. Hirshman did not
9 address that I've addressed that I think allow
10 me to come to a different conclusion.

11 Q And what specifically are the issue that she
12 didn't address that you believe allowed you to
13 come to **a** different conclusion?

14 A I'm -- she didn't address the issue of the
15 termination of the anesthetics.

16 Q Being the Forane?

17 A The Forane, the nitrous oxide. I mean, I think
18 Dr. Hirshman's letter predominately addresses --
19 I mean, I don't know that it's appropriate that
20 I try to interpret what she was trying to say,
21 but it appears to me that she suggests that
22 there was no problem with the tracheal tube and
23 I agree with her on that.

24 Q Other than the termination of the anesthetics,
25 being the nitrous oxide and the Forane, what

1 other issues do you say that Dr. Hirshman did
2 not address that you believe allow you to come
3 to a different conclusion than her?

4 A Dr. Hirshman presents it as though the case was
5 mandated and that it couldn't have been delayed.

6 Q And you disagree with that?

7 A I disagree with that. And I can't remember what
8 Dr. Hirshman says in regard to the communication
9 issues.

10 Q Anything else other than those three?

11 A Well, am I going to be held to the final -- I
12 think you're --

13 MR. LANSDOWNE: Yeah.

14 THE WITNESS: I think I need
15 to read the letter again.

16 MR. LANSDOWNE: I'd have to say
17 I believe we talked about his opinions for
18 three-and-a-half hours. Now you're going to ask
19 him what things he had said that she didn't
20 address, **so** I object in the overall questions,
21 but you know --

22 MS. HENRY: In fairness, he
23 said there are issues that Dr. Hirshman did not
24 address that he --

25 MR. LANSDOWNE: I understand.

1 MS. HENRY: -- that he
2 addresses which he believes permitted him to
3 reach a different conclusion than she did and
4 I'm asking what those are.

5 C We've talked about termination of the
6 anesthetics, that she believed that this
7 procedure couldn't be delayed; it was mandated.
8 You have different opinions, and you do not know
9 if she addressed the communication issues,
10 correct?

11 A And I don't know, you know, as we spent an hour
12 talking about the timing of the drugs and what
13 the record says and what the record doesn't say,
14 and she is silent to all those. And those are
15 trouble -- those are troublesome to me
16 because --

17 Q And the timing of the drugs, you're talking
18 about what appears on the anesthesia record?

19 A Yes. And the fact that I have to make
20 assumptions to try to defend the actions because
21 if, in fact, the drugs were given in a fashion
22 that the record says, then they, in fact, are a
23 deviation of the standard of care based on what
24 the other portion of the record says.

25 Q Are you, as the anesthesiologist, confronted

1 with drops in blood pressure and that sort of
2 thing, more concerned with addressing those than
3 getting your record exactly on the button
4 so-to-speak?

5 A Why certainly.

6 MS. HENRY: Okay. Thanks.

7 MR. TREU: Does that mean
8 you're done?

9 THE WITNESS: We're going to
10 have to take a break because I have to go to the
11 bathroom.

12 MR. TREU: Okay. Sure.

13 - - - - -

14 (Recess taken.)

15 - - - - -

16 EXAMINATION

17 BY MR. TREU:

18 Q Doctor, my name is Kris Treu. I represent: the
19 hospital in this case, which includes, I guess,
20 everyone other than Dr. Quansah and Dr. Ghanma
21 in the case.

22 MR. LANSDOWNE: Oh.

23 MR. TREU: Do you want to
24 say something, Dennis?

25 MR. LANSDOWNE: No, I didn't

1 know you were taking on that big umbrella of
2 liability for all the other physicians that
3 practice there.

4 . - - - -

5 (Discussion held off the record.)

6 - - - - -

7 Q Do you intend to offer any opinions in this case
8 as to whether the hospital or any of its
9 employees failed to meet any acceptable standard
10 of care?

11 A No.

12 Q Thank you.

13 MS. HENRY: That's it. See.

14 Q I did want to ask you -- strike that.

15 From your review of the record, was there
16 enough blood loss from the initial injury to the
17 leg, and from drainage and bleeding from the leg
18 prior to the operation on July 15th, to explain
19 the hematocrit levels that are in this chart of
20 this patient?

21 A I think I said yes --

22 Q Okay.

23 A -- earlier.

24 Q All right. Do you have any kind of a file on
25 this matter on this case?

1 A I've got the deposition -- the list **of** what I
2 have.

3 MS. HENRY: It's right here
4 (indicating).

5 A There.

6 Q Yeah. I saw the list. I'm just --

7 A That's what I have.

8 Q Okay.

9 A Well, no. I don't have that actually because
10 the blood pressure summary that I alluded to
11 is -- I don't have a copy of that of my own..
12 That was shared with me last night. I believe
13 it was sent to me. But I've **lost** deposition
14 number two of Dr. Quansah and I don't have all
15 of the opinion letters. I have -- the only
16 opinion letter I really saw was the one of
17 Dr. Hirshman but I saw them -- I had access to
18 read them and reviewed them last night as **well**.

19 Q Did you bring your file materials with you?

20 A No. All I brought with me was the original, the
21 original deposition of Dr. Quansah.

22 Q That's Dr. Quansah's deposition?

23 MS. HENRY: Uh-huh.

24 A Uh-huh.

25 Q Any markings in that deposition would be yours?

1 A Yes.

2 Q Did you make any -- strike that.

3 Aside from the notes in Dr. Quansah's
4 deposition, did you make any handwritten notes?

5 A Yes, I have some handwritten notes.

6 MR. TREU: Do you want to
7 mark them.

8 - - - - -

9 (Defendants' Exhibit Number 5 was marked.)

10 - - - - -

11 Q Doctor, I'm going to hand you what's been marked
12 Defendants' Exhibit 5. Just indicate for the
13 record what that is, please?

14 A It's my notes taken while reading the
15 combination of the anesthesia record and
16 Dr. Quansah's first and second depositions.

17 Q Okay. Can you give us some kind of a time frame
18 relative to when you prepared your report?

19 A The report was prepared two years ago.

20 Q All right.

21 A Or merely two years ago. This was prepared --
22 actually, since I didn't -- either didn't have
23 or lost deposition number two, these notes were
24 taken between 5:15 and 6:45 this morning.

25 Q That's more specific.

1 A Why were fresh off of the --

2 MS HENRY: Mat's the
3 difference between doctors and lawyers W.P.
4 not up at 5:15

5 Q Can I take a look at them, please
6 Fair to assume that references in her to
7 page numbers are from Dr. Quanzah's deposition?

8 A Correct.

9 Q All right

10 A And there is -- so that you can understand my
11 scribbling

12 Q Sure.

13 A Although I believe that this -- after such -- I
14 believe that this represents the first
15 deposition that was taken (indicating)

16 Q Just so the record's clear, you're indicating on
17 the top of the second page of exhibit --

18 A I'm indicating we have number one and then
19 number two. And so we're indicating quotes from
20 both first and second depositions as page
21 references, and sometimes the line references
22 that comes from the various -- from the two
23 depositions.

24 Q Okay.

25 MR MRAVIS: May I see that

1 if you're done, please.

2 MR. TREU: Sure.

3 MR. TRAVIS: Thank you.

4 Q The report you authored dated April 28, 1997, is
5 that the one and only report you've prepared in
6 this case?

7 A That's correct.

8 Q Were there any drafts?

9 A I assume there were drafts.

10 Q Did you discuss your drafts with Mr. Lansdowne
11 before you concluded with your April 28, '97
12 report?

13 A I'm sure I discussed it to some degree. The
14 only reason I say that is because there was a
15 handwritten note attached to my draft which
16 indicated something about my lack of ability to
17 determine drug doses.

18 Q You're going to have to clarify that for me.

19 A That document was prepared before the second
20 Quansah deposition.

21 Q Okay.

22 A And the second Quansah deposition is a
23 deposition that got into what drugs I gave and
24 what drugs I didn't give, and to some degree the
25 timing. And so there was a note that I had

1 attached to it. I believe it was a
2 handwritten -- some note that I wrote to him
3 (indicating) that said, "This is what I have.
4 This is what I'm saying because I don't know
5 what the drugs are." And because I didn't --
6 without the second deposition, you really can't
7 even assume what's going on with the drugs
8 during the anesthesia record

9 Q And you just never prepare any kind of a
10 supplemental report after reading Mr. Quanza's
11 second deposition?

12 A No, because the second deposition just
13 reinforces in my own mind what I said in my
14 original statement.

15 Q Earlier in your deposition you mentioned
16 yourself as somewhat outspoken when we were
17 talking about how people come to you with cases
18 Tell me what you mean y that

19 A I tend to tell the truth and I tend to say
20 what's on my mind.

21 Q So you know the name of the plaintiffs in the
22 other case where you've given a deposition for
23 the Englund case?

24 A I didn't say I had a good memory. No. But Peter
25 Weinberger --

1 Q Peter would know, huh?

2 A Peter would know, yes

3 MA MREU: All right

4 Thanks, Doctor. I don't have anything further.

5 EXAMINATION

6 BY MA MRAWIS:

7 Q Doctor, my name is John Travis and I represent
8 Dr. Ghanma.

9 Are you board certified in

10 A Yes.

11 Q In what specialties or subspecialties?

12 A I'm board certified in anesthesiology and -- in
13 anesthesiology, you're really not -- there is not a
14 title that says board certified in critical
15 care. There are two areas of subspecialty that
16 I currently carry I believe the title is
17 certification of advanced competence in critical
18 care and/or pain. And there's a big fight about
19 whether or not perinatrics is going to happen or
20 not I said I said for the first exam in
21 critical care that was given nationally.

22 Q When was that?

23 A I don't know. In the '80s.

24 Q And you passed on the first try?

25 A .. Yes

- 1 Q What board administered that?
- 2 A That was given by the American Board **of**
- 3 Anesthesiology.
- 4 Q And the other certification is just a general
- 5 anesthesia certification?
- 6 A Certification by the American Board **of**
- 7 Anesthesiology.
- 8 Q It's unclear to me if you have one certification
- 9 or more than one.
- 10 A I am board certified in anesthesiology and hold
- 11 a certificate in special competence issued by
- 12 the American Board of Anesthesiology in critical
- 13 care.
- 14 Q When was your original board certification in
- 15 anesthesiology?
- 16 A 1970.
- 17 Q And I assume you passed on the first try then as
- 18 well?
- 19 A That's correct.
- 20 Q You are not an orthopaedic surgeon?
- 21 A No.
- 22 Q You have no training -- no education, training
- 23 or experience as an orthopaedic surgeon?
- 24 A No.
- 25 Q What I said is correct?

1 A What's correct

2 Q You have not commented upon Dr. Ghanma in your
3 report in this matter, correct?

4 A What's correct

5 Q Do you agree that the standard of care of an
6 orthopaedic surgeon is outside your area of
7 expertise?

8 A In operative matters, certainly

9 Q Is it correct that you have no opinion regarding
10 the standard of care as it relates to this case
11 and Dr. Ghanma?

12 A In operative matters, no.

13 Q Okay Do you have any opinion regarding whether
14 Dr. Ghanma met the standard of care as to any
15 nonoperative matters?

16 A No.

17 Q You are not a pathologist?

18 A No.

19 Q What I said is correct?

20 A Correct.

21 Q You have no education, training or experience as
22 a pathologist, correct?

23 A Above the basic level that all physicians have,
24 no.

25 Q What I said is correct, that you have no

1 education, training or experience?

2 A No, there is -- pathology is the basis of all
3 medical education.

4 Q That's the extent of your expertise in
5 pathology?

6 A That's correct.

7 Q You've not seen pathology slides in this case?

8 A I have not.

9 Q You do not have any opinion regarding the cause
10 of death in this case?

11 A I do not.

12 Q Earlier in responding to questions from
13 Ms. Henry you mentioned that there are some
14 critical care issues that you have opinions
15 about. What critical care issues are you
16 referring to?

17 A No. Perhaps that didn't come out the way it
18 should have. I have -- my only criticism of
19 your client is based on his deposition which
20 says -- to the extent that anesthesiologists
21 don't tell me about blood pressure unless it's a
22 problem. I believe that's what he said.

23 When he was told that the pressure was
24 down to ten, Dr. Quansah then told him it was
25 all right. He testified under oath that he

1 believed that there was some urgency and that he
2 expeditiously finished the case, or very quickly
3 finished the case.

4 And my only concern is that the operative
5 time after that statement is almost identical to
6 the operative time before that statement. And
7 that's my only comment.

8 Q Okay. And just to reaffirm what your earlier
9 testimony is, you cannot state there was a
10 deviation from the appropriate standard of care
11 even given that criticism, correct?

12 A That's correct.

13 Q Ms. Henry asked you some questions about whether
14 the patient was feeling pain during the
15 procedure, and you stated there was no doubt in
16 your mind that the pain was present. Do you
17 recall that testimony?

18 A That's correct.

19 Q You are distinguishing between pain and
20 conscious pain, correct?

21 A There is a difference, that is correct.

22 Q You cannot state, to reasonable medical
23 certainty, that Mr. Porter experienced conscious
24 pain in this case, can you?

25 A I cannot.

1 Q You are not a radiologist?

2 A No, I am not.

3 Q You have no edu'cation, training or experience as
4 a radiologist?

5 A With the same disclaimer that you made about
6 pathology.

7 Q You have general medical training but no
8 specific training relative to radiology,
9 correct?

10 A Unless being married to a radiologist qualifies.

11 Q Does it?

12 MS. HENRY: Is she stuck in
13 Arkansas too? .

14 THE WITNESS: Yes.

15 A No. I suspect in a formal sense it only allows
16 me quicker access to results.

17 Q You've not seen the X-rays in this case?

18 A No, I've not.

19 Q You have no opinions regarding the X-rays in
20 this case?

21 A No.

22 Q What I said **is** correct?

23 A It's correct.

24 Q Doctor, please forgive me for asking this
25 question but have you ever been sued in

1 malpractice?

2 A Yes.

3 Q On how many occasions?

4 A Twice.

5 Q What was the outcome in each?

6 A In the first there was -- I was sued as the
7 chief of a group and I was sued vicariously
8 because I was the chief. And the judgment was
9 found against the hospital and there was no
10 judgment against my group.

11 In the second group -- in the second one I
12 was sued in the same fashion. Unfortunately my
13 name was incorrectly listed and so I was dropped
14 and did not have to participate. However, the
15 member of my group that was also sued was
16 found -- the verdict was in his behalf. Is that
17 the right way to say it?

18 MR. TREU: Close.

19 MS. HENRY: I would think it
20 would be fortunate that you were dismissed,
21 because you said unfortunately I was dismissed.

22 THE WITNESS: Unfortunately
23 for the plaintiff.

24 MR. TREU: He has his
25 plaintiff's hat on today.

1 MS. HENRY: I forgot about
2 that.

3 Q I take it there's never been a settlement of a
4 malpractice claim made against you short of
5 suit?

6 A No.

7 Q What I said is correct?

8 A That is correct.

9 Q Have you now stated all the opinions that *you*
10 hold with respect to this matter, Doctor?

11 A To the best of my --

12 MR. LANSDOWNE: Objection.

13 *Go* ahead.

14 A To the best of my knowledge.

15 Q And have you also stated all the bases for these
16 opinions?

17 MR. LANSDOWNE: Objection. *Go*
18 ahead.

19 A Whenever asked I have rendered my opinions to
20 the point of nausea.

21 Q I want to be fair to you, but basically by
22 reading your deposition transcript, we will
23 understand the thrust of your opinions in this
24 matter, correct?

25 MR. LANSDOWNE: Objection. He

1 can't tell what you are going to understand from
2 reading this deposition. I object. Go ahead.

3 A I don't know what you would understand by
4 reading my deposition.

5 Q Do you believe that you have been given an
6 opportunity to fairly state for the record your
7 opinions and the bases for those opinions in
8 this matter?

9 MR. LANSDOWNE: Objection.

10 A I believe **my** opinions are either articulated, or
11 are in my notes, or in all of the amount of
12 dialogue that's occurred.

13 MR. TRAVIS: That's all I
14 have. Thank you very much.

15 MS. HENRY: Okay.

16 MR. LANSDOWNE: Done? Done?

17 MR. TREU: Thanks, Doctor.

18 THE WITNESS: Uh-huh.

19 MR. LANSDOWNE: He will read it.

20 - - - - -

21 (Deposition concluded at 12:45 p.m.)

22 - - - - -

23 (Signature not waived.)

24 - - - - -

25

THE STATE OF OHIO,)
COUNTY OF CUYAHOGA.)

SS: CERTIFICATE

I, Marcie S. Smith, RPR and Notary Public within and for the State of Ohio, duly commissioned and qualified, do hereby certify that the within-named witness, E.F. Klein, Jr., M.D., was first duly sworn to testify the truth, the whole truth and nothing but the truth in the cause aforesaid; that the testimony then given by him was by me reduced to stenotypy in the presence of said witness, afterwards transcribed on a computer/printer, and that the foregoing is a true and correct transcript of the testimony so given by him, as aforesaid.

I do further certify that this deposition was taken at the time and place in the foregoing caption specified.

I do further certify that I am not a relative, counsel or attorney of either party, or otherwise interested in the event of this action.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal of office at Cleveland, Ohio, on this 5th day of April 1999.



Marcie S. Smith, RPR and Notary Public
within and for the State of Ohio.
My Commission expires April 20, 1999.

CURRICULUM VITAE

E. F. Klein, Jr., M.D.

I. Personal Data

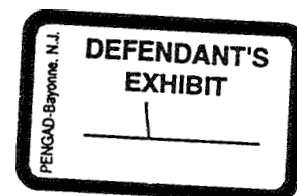
Date of Birth: December 31, 1940
Place of Birth: Sedalia, Missouri
Marital Status: Married
Spouse's Name: Sarah G. Klein, M.D.
Children: Elizabeth Suzanne Klein
Michael Pafrick Klein
Edward Wesley Klein

II. Education

	<u>Degree</u>	<u>Dates</u>
University of Missouri Columbia, Missouri	A. A.	1958-1962
University of Missouri Columbia, Missouri	M.D.	1962-1965

III. Hospital Training

<u>Location</u>	<u>Type</u>	<u>Dates</u>
U.S. Naval Hospital Bethesda, Maryland	Internship	7/65-6/66
U.S. Naval Hospital San Diego, California	Resident-Anesthesia	7/66-6/68
U.S. Naval Hospital San Diego, California	Fellow Critical Care	7/68-6/69



IV. Past Professional Appointments

Dates

Staff Physician <i>Head, Inhalation Therapy Department</i> <i>U. S. Naval Hospital</i> <i>Guam</i>	1969-1971
Assistant Professor Department of Anesthesiology University of Florida College of Medicine Gainesville, Florida	1977-1974
Medical Director of Surgical Intensive Care Unit University of Florida College of Medicine Gainesville, Florida	1971-1979
Director of Respiratory Therapy University of Florida College of Medicine Gainesville, Florida	1971-1972
Associate Director of Respiratory Care University of Florida College of Medicine Gainesville, Florida	1972-1974
Assistant Professor Department of Surgery University of Florida College of Medicine Gainesville, Florida	1973-1974
Associate Professor Departments of Surgery and Anesthesiology University of Florida College of Medicine Gainesville, Florida	1974-1975
Director, Division of Respiratory Care Medical Director of Respiratory Therapy University of Florida College of Medicine Gainesville, Florida	1975-1979
Medical Director of Respiratory Therapy Santa Fe Community college Gainesville, Florida	1975-1979

Professor 1979-1982
 Departments of Surgery and Anesthesiology
 Director of Respiratory Therapy and
Anesthesia Intensive Care
 University of North Carolina at Chapel Hill
 School of **Medicine**
 Chapel Hill, North Carolina

Professor and Chief of Anesthesia 10/82-5/90
 Department of Surgery/Anesthesiology - RMH
 University of South Carolina School of Medicine
 Columbia, South Carolina

Professional Director of Anesthesia Services 7/82-5/90
 Richland Memorial Hospital
 Columbia, South Carolina

V. Present Professional Appointments

Professor and Chairman 6/90-Present
 Department of Anesthesiology
 University of Arkansas for Medical Sciences
 Little Rock, Arkansas

VI. Committees and Administrative Responsibilities

UAMS

Council of Departmental Chairmen	7/90-Present
Elected Chair	1993-94
AdHoc Committee-fringe Benefits	7/92-Present
MCPG Executive	7/90-Present
Hospital Medical Board	1990-Present
Dean's VA Committee	1990-Present
OR Management Committee	1990-Present
Hospital Executive Committee	7/97-Present
Clinical Practice Advisory Committee	7/97-Present
Chairman, ICU Committee	1991-92
Chairman, Neurosurgery Search Committee	1997-92
Malpractice Claims Review Committee	3/92-Present
MCPG Billing Efficiency Committee	1992-Present
Physician's Health Committee	1992-Present
Surgical Affairs Committee	1994-Present
Bed Tower Task Force	1994-Present

ACH

<i>Surgical Affairs Committee</i>	1990-91
<i>Medical Staff Executive Committee</i>	1990-91
<i>Acting Chief, Pediatric Anesthesia</i>	5/90-12/90

VII. Professional Activities and Honors

American Society of Anesthesiologists
Association of University Anesthetists
American Thoracic Society
Society of Critical Care Medicine
International Anesthesia Research Society
Diplomate, American Board of Anesthesiology: 1970
Subspecialty Certification - Critical Care Medicine 7986
Associate (senior) Examiner ABA (Oral Boards)
Fellow in Critical Care Medicine - 7991

VIII. Hospital Appointments

Arkansas Children's Hospital
John L. McClellan Memorial VA Medical Center
University of Arkansas for Medical Sciences

IX. State Licenses

<i>Missouri</i>	
<i>Guam</i>	
<i>Florida</i>	Current
<i>Georgia</i>	
<i>North Carolina</i>	
<i>South Carolina</i>	Current
<i>Arkansas</i>	R-4095 Current

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E.F. Klein, Jr., M.D.

I. Publications - Refereed and Invited

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2. Klein EF Jr: Complications of endotracheal intubation. **ASA Refresher course Lecture, Outlines.** 203(B):1-4, 1972.
3. Downs JB, Rackstein AD, Klein EF Jr., and Hawkins IF Jr: Hazards of radial-artery catheterization. *Anesthesiology* 38:283-286, 1973.
4. Downs JB, Klein EF Jr., and Modell JH: The effect of incremental PEEP on PaO₂ in patients with respiratory failure. *Anesth Analg* 52:210-214, 1973.
5. Klein EF Jr: Principles of mechanical ventilation. In "Introduction to Life Support." Ravin MB and Modell JH (eds). Boston: Little Brown and Co, pp 37-52, 1973.
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8. Calderwood HW, Klein EF Jr., Modell JH, Teague PO, Downs JB: Distribution of nebulized aerosols in spontaneously breathing puppies. Annual Meeting, American Society of Anesthesiologists, pp. 205-206, 1973 (Abstract).
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13. Kirby RR, Downs JB, Civetta JM, Modell JH, Dannemiller FJ, Klein EF Jr., Hodges M: High level positive end-expiratory pressure (PEEP) in acute respiratory insufficiency. *Chest* 67:156-163, 1975.
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II. LECTURES

Invited Lectures - Approximately 5 - 10 Visiting Professorships/Lectures per year.

April 28, 1997

Dennis Lansdowne
Spangenberg, Shibley, & Liber
Attorneys At Law
2400 National City Center
1900 East Ninth Street
Cleveland, OH 44114-3400

Dear Mr. Lansdowne,

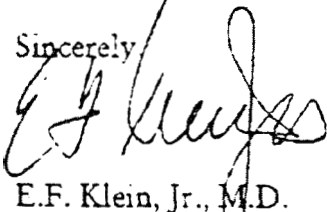
After thoughtful review of the Brad Porter case, it is clear that the anesthesiologist for the second operative procedure exhibited a lack of comprehension of the magnitude of physical derangements which were manifest almost immediately after the beginning of this second anesthetic.

Although the initial fall in blood pressure might have been explained by the brief effects of the initial intravenous anesthetic agent, Mr. Porter remained in a gravely precarious condition for approximately one hour. The anesthesiologist terminated administration of virtually all anesthetic agents early in the case, gave several doses of extremely potent vasopressor drugs in an attempt to blindly temporize the continued hypotensive trend, and started a second intravenous line. It is, however, inappropriate that an individual with the presumed good physical status such as Mr. Porter should have been required to endure an ongoing operation with benefit of only minimal (if any) anesthetic drugs, with repeated doses of potent vasoactive drugs, without a legitimate medical diagnosis, and all the while without meaningful communication between the anesthesiologist and the operative surgeon.

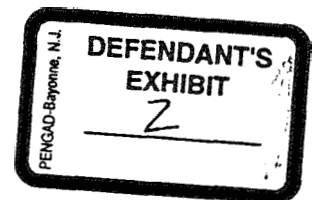
Had appropriate medical communication between the operative surgeon and the anesthesiologist occurred within the initial 15 - 30 minutes of the procedure and had the operation been terminated accordingly, acute survival by Mr. Porter would have been highly probable if not certain.

These thoughts summarize my concerns regarding this case. If additional information should be required, please do not hesitate to communicate directly.

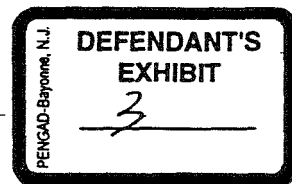
Sincerely,



E.F. Klein, Jr., M.D.
Professor and Chairman
Department of Anesthesiology
University of Arkansas for Medical Sciences



- Med record - euphoric on amphet
- Quansah dep x2
- Gamma dep
- Shapiro dep
- San Diego path dep
- BP summary
- "Pictures"
- Opinion letters



Brad Porter
BP Record
7/13/95 - 7/15/95

7/13/95 Ambulance Record

8:31 p.m. 140/90

8:40 p.m. 145/P

ER Record

8:40 p.m. 3-42/98

10:20 p.m. 130/90

11:30 p.m. 148/70

11:35 p.m. 148/70

7/14/95 Anesthesia Record (First Procedure)

12:20 a.m. 103/50

12:25 a.m. 118/50

12:30 a.m. 120/48

12:35 a.m. 118/48

12:40 a.m. 117/42

12:45 a.m. 104/42

12:50 a.m. 100/40

12:55 a.m. 105/40

1:00 a.m. 104/40

1:05 a.m. 100/40

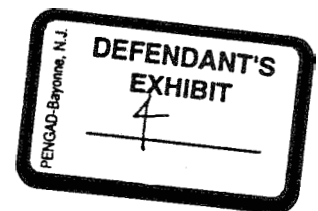
1:10 a.m. 100/40

1:15 a.m. 100/40

1:20 a.m. 102/40

1:25 a.m. 100/40

1:30 a.m. 102/40



1:35 a.m. 98/50

1:40 a.m. 96/50

Recovery Room

1:35 a.m. 98/51

1:40 a.m. 105/44

1:50 a.m. 112/52

2:00 a.m. 106/50

2:10 a.m. 106/56

2:15 a.m. 100/94

Nursins Division

3:00 a.m. 118/60

3:30 a.m. 125/60

8:00 a.m. 130/80

1:00 p.m. 130/60

4:00 p.m. 144/66

8:00 p.m. 138/74

7/15/95 **12:00 Mid** **110/62**

5:30 a.m. (Nurse called Dr. Ghanma-told him that temperature was **up** and he had dropped his blood pressure slightly)
(Dr. Ghanma depo **p.61**)

8:00 a.m. 110/60 (Pre-op)

Anesthesia Record (Second Procedure)**Photographs**

Pre induction 95/40 (Dr. Quansah's Progress Note)

9:00 a.m. Induction

9:05 a.m. 95/40

9:10 a.m. 92/35

9:09 a.m. 95/40

9:15 a.m. 90/35

9:12 a.m. 67/46

9:20 a.m. 80/35

9:17 a.m. 90/36

9:25 a.m. 80/35 (Phenylephrine given)

9:23 a.m. 80/40

9:30 a.m. 88/38

9:27 a.m. 80/40

9:35 a.m. 85/35

9:34 a.m. 86/39

9:40 a.m. 86/35 (Phenylephrine given)

9:37 a.m. 90/39

9:45 a.m. 95/45

9:41 a.m. 81/43

9:50 a.m. 95/40

9:47 a.m. 93/40

9:55 a.m. 100/40

9:52 a.m. 97/37

10:00 a.m. 65/55 (Phenylephrine given)

9:58 a.m. 94/41

Sudden ↓ in ETCO₂, from 36 to 10-15.

Anesthesia off. Epinephrine given.

10:05 a.m. 95/35

10:01 a.m. 62/56

10:10 a.m. 180/35

10:06 a.m. 91/35

10:15 a.m. 98/35

10:13 a.m. 182/108

10:20 a.m. (Epinephrine given)*

10:18 a.m. 91/37

10:25 a.m. (Epinephrine given)*

10:21 a.m. 55/37

10:28 a.m. Code called.

10:28 a.m. Code Called

12:04 p.m. Expired

*According to anesthesia graphic, these notes were entered after the patient was pronounced.

#1

pg 76 1st dep - didn't discuss previous to
level 13 anyone because "that is my job..

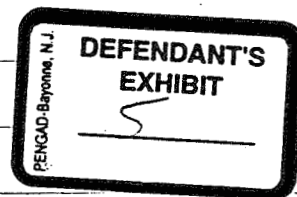
don't need to discuss w anybody

pg 77

#2

pg 75

Acknowledges doesn't usually give
neo after induction



#2 pg 41

concern re BP & turn... r f'oc neo
- turn of gears (pg 49)

pg 78

Acknowledges pt not responding but
didn't discuss because "msg was
messing now"

pg 73

Despite problem w/ M on one now
acknowledged... never considered
stopping care "stopping care
doesn't take care of problem"

1st dep

pg 108 Even after death didn't understand problem "pt was OK until (he) coded"

pg 88

1000 Am crash didn't ppt termination discussion because when epi temporarily ↑ BP "I told him it was corrected."

Summary 1st dep heavy on pt "OK", maybe septic, but OK

2nd dep pt not OK but didn't discuss because procedure couldn't be terminated (sepsis mandated continuous mg)