

State of Ohio,)
County of Lorain.) SS:

IN THE COURT OF COMMON PLEAS

HUBERT PORTER, ADMINISTRATOR)
OF THE ESTATE OF BRAD PORTER,)
DECEASED,)

Plaintiffs,)

vs.)

Case No. 96CV115689

MANHAL A. GHANMA, M.D.,)
et. al.,)

Defendants.)

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THE DEPOSITION OF DR. CLYDE MCAULEY
FRIDAY, MAY 28, 1999

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The deposition of Dr. Clyde McAuley, a witness herein, called by the Plaintiff for examination pursuant to the Ohio Rules of Civil Procedure, taken before me, the undersigned, Darlene Lowe, 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 9:22 a.m., the day and date above set forth.

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APPEARANCES:

On behalf of the Plaintiffs:

Dennis R. Lansdowne, Esq.
Spangenberg, Shibley & Liber
2400 National City Center
1900 East Ninth Street
Cleveland, Ohio 44114

On behalf of Defendant Dr. Manhal A. Ghanma:

John D. Travis, Esq.
Gallagher, Sharp, Fulton & Norman
7th Floor - Bulkley Building
Cleveland, Ohio 44115

On behalf of Defendants Lorain Community
Hospital and St. Joseph Regional Health Center:

Kris H. Treu, Esq.
Moscarino & Treu
812 Huron Road, Suite 490
Cleveland, Ohio 44114

On behalf of Defendant Dr. Quansah:

Dierdre Henry, **Esq.**
Weston, Hurd, Fallon, Paisley & Howley
2500 Terminal Tower
Cleveland, Ohio 44113

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1 CLYDE E. MCAULEY, M.D.

2 of lawful age, called by the Plaintiff for
3 examination, pursuant to the **Ohio** Rules of Civil
4 Procedure, having been first duly sworn, was
5 examined and testified as follows:

6 EXAMINATION **OF** CLYDE E. MCAULEY, M.D.

7 BY MR. LANSDOWNE:

8 Q Doctor, would you state your full name and spell
9 the last for the court reporter, please?

10 A Clyde Edward McAuley, M-c-A-u-l-e-y.

11 Q Dr. McAuley. I've been calling you McCauley.

12 And your professional address?

13 A That would be East Texas Medical Center, Tyler
14 Texas, 75701.

15 Q What is your position there?

16 A I'm the associate director of trauma services.

17 Q Doctor, you've been identified as an expert in a
18 case that has a lot of experts, and I'm going to
19 be asking you about your opinions relating to
20 this case. And if at any time you don't
21 understand my question, please tell me that and
22 I'll rephrase it, okay?

23 A Yes, fine.

24 Q If you don't hear my question, please tell me
25 that as well. All right?

1 A Yes.

2 Q You understand I'm here to get the opinions that
3 you're prepared to offer at the trial of this
4 case, which is in September of this year,
5 correct?

6 A Correct.

7 Q All right. You've been through this process
8 before?

9 A Yes, I have.

10 Q All right. You've been an expert witness in
11 medical malpractice cases before?

12 A Yes, I have.

13 Q On how many occasions?

14 A Perhaps eight or nine.

15 Q Eight or nine total in your career?

16 A Correct.

17 Q How many cases do you review a year as an expert
18 witness?

19 A Two, three at the maximum.

20 Q Have **you** testified in Ohio courts as an expert
21 witness?

22 A Yes, I have.

23 Q In medical negligence cases?

24 A Yes, I have.

25 Q When is the most recent one?

1 A Perhaps three years ago.

2 Q Do you happen to remember what county that was
3 in?

4 A I believe it was Medina.

5 Q Have you ever testified on behalf of a patient
6 in a medical negligence case?

7 A Yes, I have.

8 Q On how many occasions?

9 A I believe it was three of those nine or ten
10 cases.

11 Q Okay. Were any of those in Ohio?

12 A Yes.

13 Q Have you testified in states other than Ohio?

14 A I believe I was involved in one case in
15 Pennsylvania.

16 MR. TRAVIS: Medical
17 negligence or any kind of case?

18 MR. LANSLOWNE: Medical
19 negligence case.

20 A I provided a deposition in one case in
21 Pennsylvania.

22 Q Other than that one case, all the other cases
23 that you've been involved in as an expert
24 witness in medical negligence cases have been in
25 Ohio?

1 A Yes.

2 Q You have your file with you?

3 A Yes, I do.

4 Q What part of this is your file or all three?

5 A All three are.

6 Q Okay. What is contained in those files?

7 A They contain the records of the patient's
8 hospitalization at Lorain Community, they
9 contain the Division of Water Craft report,
10 depositions of the various experts as well as
11 the patient's parents and number of the expert
12 opinions.

13 MR. TRAVIS: He has an index
14 in front of him. It's pretty much there.

15 Q I imagine that this has been provided to you
16 over time? I mean, different things came in at
17 different times?

18 A Actually, the original file I had was rather
19 small. I believe it contained the original
20 depositions of Dr. Ghanma, Dr. Quansah, perhaps
21 the opinion of Dr. Shapiro and one other
22 opinion. The majority of this chart I received
23 approximately two weeks ago.

24 Q Okay.

25 A I disposed of the original depositions that I

had because I thought I was no longer involved
with this case.

Q I'm sure you're not the only one
other than these three pinners, have you
reviewed anything else relating to this case?

A No, I haven't.

Q Have you reviewed any medical literature in
connection with your opinion in this case?

A No, I haven't.

Q You've authored a report in this case. I have a
copy dated July 1st, '97

MR LANSDOUGNE: I'd mark this
Plaintiff's Exhibit 1 with your name on it

- - - -

(Plaintiff's Exhibit 1 was marked)

- - - -

Q Is that Plaintiff's Exhibit 1 your report in
this case?

A Yes, it is.

Q And is that the only report that you authored in
the case?

A Yes, it is.

Q Were there^a any drafts of the report?

A No.

Q Since you just got back in -- sort of got back

1 into this case and reviewed a bunch of new
2 material or material that you had not reviewed
3 previously, just before we get started on this,
4 is there anything that should be added to this
5 report about your opinions or changed in any
6 way?

7 A No, I believe the additional information has not
8 changed my ultimate conclusion.

9 Q Have you seen any photographs in this case?

10 A Yes, I have.

11 Q Those are included in the binder?

12 A What I have seen appear to be Xeroxed copies or
13 copies of photos. I haven't seen the actual
14 photographs. But, yes, they are in one of these
15 three binders.

16 Q What are the photos of?

17 A Photos appear to be autopsy photos of Mr. Porter
18 performed by the coroner's office apparently.

19 Q You also have photographs of anesthesia
20 equipment?

21 A Yes, I do.

22 Q **Okay.** You've reviewed both sets of photographs,
23 that's the coroner's photographs and the
24 anesthesia equipment photographs?

25 A I've reviewed the photographs and I've reviewed

1 as best I could the anesthesia equipment,
2 although I depended upon the printed summary of
3 those pressures that appear at the end of Dr.
4 Kline's deposition.

5 Q Okay. Did you see any photos of Mr. Porter's
6 wound taken before his death?

7 A I have some very almost illegible photographs
8 that appear in my copy of the hospital chart.
9 They're, I think, four Polaroid pictures that
10 were apparently taped within the hospital chart
11 by -- by I presume Dr. Ghanma, but those are
12 almost illegible when they come out of a
13 photocopy.

14 Q It's been a long time, do you know how it is
15 that you were contacted in this case?

16 A Yes, I -- Mr. Switzer contacted me.

17 Q Do you know any of the physicians involved in
18 caring for Mr. Porter?

19 A No, I don't.

20 Q Do you know any of the physicians that have been
21 identified as expert witnesses?

22 A I don't know any of them personally.

23 Q It causes me to ask do you know of any of them
24 before this case, before you saw their names in
25 this case?

1 A I know who Dr. Mark Shapiro is.

2 Q How is it that you know him?

3 A I've seen his name in the literature. We're
4 both trauma surgeons. It's a fairly small group
5 of people, so we tend to know who is where
6 around the country.

7 Q You've seen his name in trauma literature?

8 A Yes.

9 Q Have you ever practiced out of Lorain Community,
10 St. Joe's Hospital?

11 A No, I have not.

12 Q Have you ever been there?

13 A No, I have not.

14 Q We have a CV, which we know is not accurate --
15 or not up-to-date, I should say. We'll mark
16 this as Exhibit 2 anyway.

17 - - - - -

18 (Plaintiff's Exhibit 2 was marked.)

19 - - - - -

20 MR. TRAVIS: The record
21 should reflect I received a call from your
22 office, this is what I had yesterday to give
23 you.

24 MR. LANSLOWNE: Oh, I know.

25 Q Plaintiff's Exhibit 2 is a copy of a Curriculum

1 Vitae of yours, Doctor?

2 A That is correct.

3 Q Okay. At that time -- or the time that CV was
4 done, you were at St. Elizabeth Hospital; is
5 that correct?

6 A That's correct.

7 Q When did you leave there?

8 A I left on January 31st, 1999.

9 Q Okay. Why did you leave there?

10 A I received an excellent offer to join a larger
11 trauma group down in Tyler, Texas.

12 Q Do I understand you still live in Pennsylvania?

13 A Correct.

14 Q You're commuting to Texas?

15 a Correct.

16 Q Okay. How many days a week do you spend in
17 Texas?

18 A I spend -- usually I get back one week in six
19 and my wife gets down every third week for a
20 week.

21 Q Okay. Your CV lists some publications. Let me
22 ask you: Have you written anything that relates
23 specifically to the matters at issue in this
24 case?

25 A No.

1 Q Have you presented anything that relates to
2 matters at issue in this case?

3 A No.

4 Q I saw a presentation in 1993, I just want to ask
5 you about, presented at the Annual Scientific
6 Assembly, Eastern Association for the Surgery of
7 Trauma. It's entitled "The Missed Injury. A
8 Prospective Evaluation of Delayed Diagnosis in
9 Blunt Multisystem Trauma."

10 Is that a presentation you made?

11 A Yes, it is.

12 Q Okay. What did that involve? What were the
13 issues you were presenting?

14 A That was a presentation that documented a
15 significant number of patients who are admitted
16 at a Level 1 trauma center who have injuries
17 that are not recognized at the time of admission
18 and will become apparent subsequent to their
19 admission.

20 Q What kinds of injuries -- were there any
21 specific kinds of injuries that were being
22 missed or is this a broad spectrum?

23 A There were many different types, the vast
24 majority involved fractures of bones and ribs.

25 Q And was recommendations about how these might be

1 caught instead of missed?

2 A Yes. We discussed importance of serial
3 examinations by physicians as well as just an
4 awareness that injuries can and often do present
5 in a delayed fashion.

6 Q What do you mean by serial examinations?

7 A Examinations by skilled, medical personnel, be
8 that nurses or physicians or in the case of many
9 teaching centers, Level 1 trauma centers, the
10 house officers.

11 Q This specifically related to Level 1 trauma
12 centers?

13 A I think it related to trauma care as a
14 generality, although the point was that even if
15 the highest tier of trauma centers, there were a
16 significant number of patients that would have
17 injuries recognized at a later time.

18 Q Where did the cases come from?

19 A They came from Mercy Hospital of Pittsburgh.

20 Q They were all from Mercy?

21 A Yes.

22 Q How is it that -- at that time you were at St.
23 E's in 1993, right?

24 A That was -- I was at St. E's but the study had
25 been done just prior to my departure from Mercy

1 Hospital of Pittsburgh.

2 Q I was wondering how you got access to those.

3 Do you still have a copy of that
4 presentation?

5 A Yes, I do.

6 Q Could you provide it to **Mr.** Travis?

7 A Of course.

8 Q What type of facility is the East Texas Medical
9 Center? Is that what it is?

10 A It's a large community hospital that serves the
11 flagship for any additional eleven smaller
12 hospitals in the east Texas area.

13 Q And that's in Tyler, Texas?

14 A Correct.

15 Q What level of trauma center is it?

16 A It's a Level 1 trauma center.

17 Q Are there trauma protocols there?

18 A Yes, there are.

19 Q St. Elizabeth Health Center, what type of -- how
20 would you describe that facility?

21 A That's an ACS, which is the American College of
22 Surgeons, verified Level 1 trauma center.

23 Q It's also a Level 1 trauma center?

24 A Correct.

25 Q And St. Elizabeth, is that a community hospital

as well?

A It's a community teaching hospital. The distinction being that there are a large number of residents at St Elizabeth, which is not the case at East Texas Medical Center.

Q How do Medical Center?

A They're from the -- they -- residents are post medical school graduates, so they are from a variety of medical schools throughout the country.

Q Were you involved in the residency training at St. Elizabeth?

A Yes, I was.

Q In your current position, do you have a teaching appointment?

A I will shortly.

Q What will that be?

A What will be with the University of Texas Medical Center at Tyler.

Q Will you be involved in teaching residents again?

A Formal medicine residents rotate through the trauma center at East Texas.

Q So it won't be trauma residents?

A Not at this time, although we expect to start a

1 trauma fellowship in the near future.

2 Q What certifications do you have?

3 A I have my boards by the American Board of
4 Surgery and I essentially have a second board
5 equivalency, which is the added qualifications
6 in surgical critical care, although granted by
7 the American Board of Surgeons.

8 Q What is that? I'm not sure I follow you on that
9 one equivalency.

10 A Well, I think it's analogous to your expert Dr.
11 Klein who does not have a board in critical
12 care, yet he says he has added qualifications
13 from the Board of Anesthesia in critical care.
14 The various boards have tried to limit the
15 proliferation of other boards and one solution
16 to that was placing these subspecialty boards
17 under the aegis of the major boards sections.

18 Q So that -- does that -- is there a trauma
19 certification -- there is no trauma
20 certification, is that what you're saying?

21 A There is no trauma certification, but there is a
22 certification for surgical critical care which
23 entails a large -- it entails approving a large
24 body of knowledge in critical care matters as
25 well as a large practice in surgical critical

1 care. I believe your expert Dr. Shapiro has the
2 same board certification.

3 Q That's what I was asking about. That is the
4 certification that trauma surgeons generally
5 have, correct?

6 A Yes. Many of us do have critical care boards
7 but there is no board specifically dedicated to
8 trauma. Those are two separate fields, often in
9 tandem to one another, but they are two separate
10 fields.

11 Q Are you certified in emergency medicine?

12 A No, I'm not.

13 Q I have to ask this, are you certified in
14 pathology?

15 A No.

16 Q Are you a pathologist?

17 A No, I'm not.

18 Q Are you an expert in pathology?

19 A No, I'm not.

20 Q Are you an expert in emergency medicine?

21 MR. TREU: You just asked
22 that.

23 MR. LANSDOWNE: No, I didn't.

24 MR. TRAVIS: You can answer.

25 Q I asked if you were certified in emergency

- 1 medicine.
- 2 A Correct.
- 3 Q You said no. I'm asking if you're an expert --
- 4 A I have a good deal of knowledge about emergency
- 5 medicine as it relates to trauma, but
- 6 specifically only as it relates to trauma.
- 7 Q When we or you use the term "trauma," what are
- 8 you talking about?
- 9 A Trauma relates basically to the field dealing
- 10 with injury.
- 11 Q So any type of injury --
- 12 A Yes.
- 13 Q -- is a trauma injury?
- 14 A Correct. Any type of injury that's related to
- 15 an external force is within the realm of trauma.
- 16 Q What are trauma protocols?
- 17 A Trauma protocols are agreed upon general
- 18 outlines in the management of a patient that's
- 19 been injured.
- 20 Q Have you participated in developing trauma
- 21 protocols at various institutions?
- 22 A Some.
- 23 Q Are trauma protocols important?
- 24 A Depending on the nature of the injury as well as
- 25 the nature of the receiving institution, they

1 can or can't be.

2 Q Well, is it -- not knowing what injuries you
3 might get at the institution, is it generally
4 important to have trauma protocols at an
5 institution that receives trauma patients?

6 A I think what's important is that the institution
7 recognizes whether or not a case surpasses its
8 abilities to take care of it. The protocols
9 themselves can be extremely extensive and
10 obviously all 5200 hospitals in this country
11 cannot have explicit trauma protocols.

12 Q Did St. E's?

13 A **As** a Level 1 center, yes, it did.

14 Q Have you worked in hospitals that did not have
15 trauma protocols?

16 A I've always worked at Level 1 trauma centers, so
17 I've always worked at hospitals that had trauma
18 protocols.

19 Q I guess I want to make sure of the converse.
20 Have you ever worked at a hospital that did not
21 have a trauma protocol?

22 A I think there's overlap when we talked about
23 trauma protocols and emergency room protocols
24 and as such, I -- if I ever worked at a hospital
25 that didn't have an overt trauma protocol, I'm

1 sure that many of the emergency room protocols
2 involved trauma issues and were in fact trauma
3 protocols.

4 Q I don't know what that -- I don't know what that
5 answer is. But my question really is whether --
6 can you tell me of any hospital that you worked
7 at that did not have a trauma protocol as you
8 sit here today?

9 A That's difficult to answer because trauma is a
10 relatively -- the trauma protocol have been
11 relatively recently developed, but I think there
12 was some protocol of some sort at each of those
13 hospitals, whether they were specifically
14 entitled trauma protocol, they were functional
15 trauma protocols.

16 Q What trauma texts do you consider reliable?

17 A Many.

18 Q Can you name some?

19 MR. TRAVIS: Could you
20 explain what you mean by reliable?

21 MR. LANSDOWNE: I don't know the
22 answer to the question. He didn't seem to have
23 a problem.

24 A Well, I think there's Maddocks, Feliciano &
25 Moore is a very well-known and respected trauma

1 text. Older texts include Shier's textbook, the
2 American College of Surgeon has a -- College of
3 Surgeons has a number of publications related to
4 the evaluation and management of trauma
5 patients.

6 Q Are you familiar with Donald Trunkey?

7 A Yes, I am.

8 Q How are you familiar with him?

9 A He's a very well-known figure in the field of
10 surgery and I assume nearing retirement.

11 Q Are you familiar with any trauma texts that he
12 has authored or been editor of?

13 A As a specific text, he had a series in the
14 mid-'80s that he was the senior editor in, but
15 those are clearly out of date. However, he's
16 kept very active in terms of his editorship
17 responsibilities as well as American College of
18 Surgeons, protocols.

19 Q Do you think a hospital that accepts patients
20 with trauma injuries should have trauma
21 protocols?

22 MR. TREU: Objection.

23 A Hard to answer. And the reason I say that is it
24 depends upon the level of the injury and, once
25 again, it depends upon what the protocols are in

1 terms of emergency room, whether those cover the
2 areas of injury and major trauma.

3 Q What do you mean about the injury? How does
4 that affect whether the hospital should have
5 trauma protocol?

6 A Well, I could be a small clinic and technically
7 probably half the patients I would see or
8 quarter of the patients are injured, meaning
9 they sprained their ankles, they've fractured a
10 bone in their hand, they've fallen from a swing
11 and certainly I wouldn't expect the clinic to
12 have a trauma protocol, yet they would be
13 treating patients that have been injured.

14 I think as the level of intensity of the
15 injury increases, it's incumbent upon the
16 hospital to recognize that they -- they desire
17 to provide the best care possible, so I would
18 expect the next level to be the emergency room
19 through their formal or informal means to have
20 methods of triage in trauma to determine what
21 lies within the capabilities of that facility.

22 Q How long at -- St. Elizabeth's had trauma
23 protocols before you got there?

24 A Yes, they had been developed by the director of
25 the emergency room.

1 Q What do you understand about the Lincoln
2 Community Hospital's designation relating to
3 trauma?

4 A I know that it's not designated for trauma
5 because no hospital in the state of Ohio is
6 designated as a trauma center.

7 Q Does it have any designation, any level trauma
8 center that you're aware of?

9 A I'm not aware that it has any self-designation.
10 But as I mentioned, no hospital in Ohio is
11 designated as a level of any type of trauma
12 center.

13 Q I thought St. Elizabeth's was a Level 1?

14 A St. Elizabeth is an ACS verified Level 1, but
15 it's not a designated trauma center.

16 Q What's the difference?

17 A The difference is that there has to be a
18 mandating body, meaning a governmental body, of
19 some sort that will actually designate it. All
20 the college does is verifies whether or not the
21 capabilities of the institution are such that
22 they can conform to the ACS guidelines, but the
23 college is very specific that designation itself
24 occurs on a state or governmental level.

25 Q So the state of Ohio just hasn't gotten around

1 to setting up that kind **of** designation?

2 A Correct.

3 Q What about where you're **at** in Tyler now, is that
4 designated or verified or both?

5 A Both.

6 Q Okay. And in terms of Lorain Community, we know
7 it's not designated. Is it verified?

8 A I don't know. I don't believe it is.

9 Q Is that of any significance in your opinions in
10 this case?

11 A Not in this case.

12 Q Why not?

13 A Because I don't believe the intensity **of** this
14 injury warranted transfer to a trauma center.

15 Q **How** do you make that determination?

16 A The college has some broad outlines that assists
17 physicians in recognizing what patients should
18 be transferred to a trauma center.

19 Additionally, you rely upon the expertise and
20 the judgment of the emergency room physicians
21 and the attending staff at a given hospital.

22 Q What outline are you talking about?

23 A I'm talking about various publications by the
24 American College of Surgeons that relate to
25 trauma.

1 Q And in this particular case, what would be
2 the -- how would those relate?

3 A They don't relate.

4 Q Meaning what?

5 A Meaning that the generally accepted transfer
6 criteria were not fulfilled in this case at the
7 time that this patient presented to the Lincoln
8 emergency room.

9 Q The general accepted transfer criteria, is that
10 what you're saying?

11 A Correct.

12 Q His injury did not meet those criteria, is that
13 what you're saying?

14 A On a basis -- on the basis of what is in the
15 medical records, correct.

16 Q Assume for me that a patient does meet the
17 criteria for transfer presenting to a hospital,
18 what is the hospital's obligation under those
19 circumstances?

20 MR. TREU: Objection.

21 MR. TRAVIS: Objection. It's
22 a hypothetical, not much fact to it. You can
23 answer if you can.

24 A There is actually no obligation because the
25 state of Ohio has not set up a trauma system and

1 this has been discussed at length by legislators
2 as well as physicians, but there is no
3 obligation because there are no standards.

4 Q Besides a legal obligation, is there an
5 obligation in terms of good medical practice?

6 MR. TREU: Objection.

7 MR. TRAVIS: Same objection
8 as to lack of any specificity of the question.
9 You can answer if you can.

10 A I think all -- I would hope that all hospitals
11 try to provide ultimately the best of care for
12 their patients and recognize should they have
13 any limitations in terms of their facilities or
14 medical staff, as such if their capabilities are
15 surpassed, I would assume that they would
16 recognize that and transfer a patient to a
17 higher level of care in whatever field of
18 medicine we're talking about.

19 Q And have you testified in the past that a
20 patient should have been transferred to a
21 certified trauma center?

22 A The term is verified, but --

23 Q Sorry.

24 A No. I'm sorry, the college is very sticky about
25 the terminology in all of this.

1 Q I appreciate you being the same and please
2 correct me if I use those terms wrong. I assure
3 you it's not intentionally.

4 A No, I have not because none of the cases
5 involved an issue of level of care.

6 Q Do you think that standards from the protocols
7 that govern sequence of the interventions in the
8 care of the patient ensures consistency and ease
9 of an evaluation and helps prevent delay in
10 diagnosis and care?

11 MR. TREU: Objection.

12 MR. TRAVIS: Objection,
13 compound question. You can answer if you can.

14 A As a general matter, I think protocols are --
15 benefit when people see injuries that have a
16 standardized presentation and a standardized
17 requisite response. Actually, at times I find
18 some protocols to be overworked and almost to be
19 intrusive.

20 Q Do you think that Brad Porter's injuries were
21 standardized presentation and a standardized
22 response?

23 A Yes, but I think those were probably
24 standardized in the sense of the emergency room
25 evaluation.

1 Q Who did the initial evaluation at the hospital
2 of Brad Porter?

3 A From my review of the medical record, it appears
4 that there were at least three people: being
5 the emergency room nurse, a Dr. Evans' name
6 appears on the chart as the emergency room
7 physician in attendance, and a Dr. Murphy
8 performed the actual history and physical
9 examination. And finally, Dr. Ghanma also
10 performed a history and physical evaluation.

11 Q Is there any indication in the record that Dr.
12 Evans evaluated this patient?

13 A There are references that he was aware of
14 certain aspects of the patient's status and the
15 deposition of a second emergency room physician
16 refers to Dr. Evans as having familiarity with
17 the case at the time of presentation.

18 Q You've read Dr. Murphy's deposition?

19 A No, I have not.

20 Q Which deposition are you referring to?

21 A I'm referring to Dr. O'Day's deposition.

22 Q Do you know what kind of credentials Dr. Murphy
23 has?

24 A No, I do not. Other than the depositions at one
25 point mention that they believed among his

1 various activity --

2 Q I'm sorry, I believe it's a she.

3 A -- that she among her various activities was
4 working in the emergency room on occasion.

5 Q At your hospital now, East Texas Medical Center,
6 if this patient, Brad Porter, presented to your
7 hospital, who would have been put in charge of
8 the initial evaluation?

9 MR. TREU: Objection.

10 A Well, since I work at a Level 1 trauma center
11 that has four dedicated trauma surgeons, I
12 assume that I would have at some point been
13 contacted, but the initial evaluation might very
14 well have been conducted by the emergency room
15 physician.

16 Q What point in time would a trauma surgeon get
17 involved?

18 A I think I would have been involved, depending on
19 the evaluation, if there were significant
20 ongoing hemorrhage, I probably would be involved
21 early. If there were not ongoing hemorrhage, I
22 would be involved anywhere from 15 minutes to
23 perhaps an hour after the presentation, if at
24 the discretion of the emergency room physician
25 felt that I should be involved.

1 Q Well, we know based upon -- we have the
2 evaluations and the assessment from the
3 emergency room physician, **so** would you have been
4 involved, you or another trauma surgeon, I
5 guess, have been involved 15 minutes or an hour
6 later?

7 A At my institution, which is a much larger
8 hospital, it is a designated Level 1 trauma
9 center, I probably would have been involved
10 within the first half hour of the case, assuming
11 there was no major ongoing hemorrhage that could
12 not be staunched by the emergency medicine
13 people.

14 MR. TREU: Go ahead.

15 A At times it's the discretion of the individual
16 emergency room physician. They might have
17 called me within minutes of arrival or they
18 might have called me within, as I stated before,
19 half hour or so.

20 MR. TREU: I'll say
21 relevancy.

22 Q What about at St. Elizabeth's what would have
23 been the situation there?

24 A Once again, being a Level 1 trauma center, it
25 would have been very comparable.

1 Q And when we say trauma center, what are we
2 referring to?

3 A Generally, we're talking about a general surgeon
4 who has an interest in the care and management
5 of injured patients.

6 Q What's the purpose **of** either at East Texas
7 Medical Center in Tyler or St. Elizabeth's in
8 Youngstown of having a trauma surgeon see a
9 patient like Brad Porter?

10 MR. TREU: Objection.

11 A The purpose is to sustain and maintain good
12 quality care in an institution that's made a
13 commitment toward the management of major
14 trauma.

15 Q Well, what would the trauma surgeon have done if
16 he was called in this case?

17 MR. TREU: Objection.

18 MR. TRAVIS: Objection. You
19 can answer.

20 A If he were called, he would have looked at the
21 patient, assessed the overall condition of the
22 patient, their vital signs, the mechanism **of**
23 injury, and actually in this case probably
24 looked to see whether or not there was any need
25 for this patient to be admitted to the trauma

1 center as opposed to subspecialty service.

2 Q Well, didn't the emergency room physician do all
3 that in this case?

4 A I don't know. I wasn't there. But the chart
5 indicates that the patient had a complete
6 physical examination by capable physicians, who
7 I assume were doing complete physical
8 examination to ensure that there were no other
9 major injuries present.

10 Q The history and physical -- the history and
11 physical by Dr. Murphy, that's the history and
12 physical you're referring to?

13 A That is the documented history and physical
14 examination.

15 Q What other history and physical are you
16 referring to?

17 A I'm referring to the fact that I believe Dr.
18 Evans saw this patient, and history and physical
19 examinations are often performed but not
20 necessarily completely documented. And through
21 the deposition of Dr. Ghanma, he also indicated
22 that he performed a complete history and
23 physical examination of the patient.

24 Q Dr. Murphy's is a two-page form, is that what
25 that is?

1 A Correct. This appears to be a standardized
2 history and physical examination at a community
3 hospital.

4 Q Have you ever seen a form like this before?

5 A I've seen comparable forms many times.

6 Q How does this two-page chart differ from what a
7 trauma surgeon history and physical exam report
8 would look like?

9 MR. TREU: Objection.

10 A The only difference in my experience is when
11 you're at a teaching institution, you have house
12 officers who part of their training entails a
13 dictated history and physical examination. And
14 at my own practice, I do a summary, physical
15 examination, very similar to this form and I
16 will often -- or typically dictate that, a
17 complete history and physical examination, which
18 may augment what is encompassed in -- in an
19 assessment that can be characterized as normal.

20 Q Based upon the emergency room records -- and I
21 think you may have answered this in a different
22 form earlier, but let me ask it this way: based
23 upon the emergency room, do you think this
24 patient should have been transferred to a trauma
25 center?

1 A No, I do not. Not on the basis of what's in the
2 medical chart.

3 Q Why not?

4 A Because it fails to fulfill any of the criteria
5 necessary for transfer.

6 Q **As** we discussed before?

7 A Correct.

8 Q What about should the patient have been seen by
9 a general surgeon?

10 A I think the patient should have been seen by
11 people who were familiar with seeing major
12 injury and in this hospital's case, I believe
13 the emergency room physician fulfilled that,
14 assuming that a careful detail was done by at
15 least one physician -- a careful detailed,
16 history and physical examination. And once it
17 became apparent that only a unisystem rather
18 than a multisystem injury was apparent, I think
19 that it was acceptable to have the patient's
20 care managed by the surgical subspecialist.

21 Q What **do** you mean an unisystem injury?

22 A I mean an injury that involves only one system
23 of the human body.

24 Q Mr. Porter you're talking about?

25 A I'm talking about an extremity injury.

1 Q Describe that injury for me, extremity injury.

2 A In this particular case?

3 Q Yes.

4 A My understanding is that the patient had a long,
5 posterior, deep laceration of the -- I believe
6 the left calf -- I'm sorry, left thigh that had
7 no obvious major hemorrhage at the time of
8 presentation and that had the question of
9 neurologic involvement upon the initial
10 assessment --

11 Q Did the patient -- was the patient a blunt
12 trauma patient?

13 A I believe the major mechanism of injury was
14 sharp penetrating injury to the posterior thigh.

15 Q Given the history that was given on this
16 patient, would a blunt trauma evaluation have
17 been appropriate?

18 A I don't think so. Unless you had some
19 information that I'm not privy to in terms of
20 the mechanism of injury.

21 Q Well, you understand that Mr. Porter was knocked
22 out of his boat, correct?

23 A I understand that he fell out of the boat.

24 Q And that he was -- his leg was lacerated in
25 attempting to get on another boat, correct?

1 A Correct. Which would have been the penetrating
2 portion and obviously any further impact with
3 that propeller other than in his thigh would
4 have been very evident.

5 Q And he was on some rocks by the shore of the
6 lake for a period of time, are **you** aware of
7 that?

8 A I understand that he then swam to a wharf or a
9 wall in which he located himself on apparently a
10 rock wall.

11 Q And then he was pulled in by a jet ski, is that
12 your understanding?

13 A Correct. He was towed in by a jet ski at that
14 point to a landing.

15 Q Do you know what the lake was like during this
16 time?

17 A I understand it was storming.

18 Q Are you aware that he had multiple contusions
19 and lacerations?

20 A I'm aware that he had multiple abrasions on him.

21 Q Abrasions, lacerations?

22 A Well, I believe there was -- by lacerations, I
23 would assume the laceration involves suturing
24 and the only other -- or actually the only
25 sutures ever placed in this gentleman was that

1 of a single digit.

2 Q Okay. Well, if Dr. Ghanma in his operative
3 report said multiple abrasions and lacerations,
4 you would accept that, wouldn't you?

5 A Obviously I'd accept it, but I think when he
6 talks about the lacerations, he's indicating his
7 operative site, which is the thigh.

8 Q Do you know where the multiple abrasions were?

9 A I know from what the coroner's report has that
10 they mention abrasions, a large number, on the
11 patient's extremities and perhaps the shoulder.

12 Q How do you think he got those abrasions?

13 A I think he probably got them by crawling onto
14 the rocks.

15 Q If the patient had complained of abdominal
16 discomfort in the emergency room, should that
17 complaint have been documented?

18 MR. TREU: Objection.

19 A It's standard practice to document the
20 complaints that the patient said and I would
21 have expected this to have been documented by
22 the various observers present.

23 Q I mean, it's not a standard practice, it's
24 required to document the complaints of a
25 patient?

1 A Standard or required are essentially one and the
2 same.

3 Q If a patient had complained of abdominal
4 discomfort in the emergency room, what
5 difference would that have made in the
6 assessment?

7 A If he had complained of that, I at that time
8 think that that complaint should have been
9 further evaluated by a variety of potential
10 diagnostics.

11 Q Such as?

12 A Such as further examinations of the abdomen.
13 Sonographic examination perhaps of the abdomen.
14 Dr. Shapiro suggested, and I agree, in a patient
15 complaining of abdominal pain, to a physician or
16 nurse, and I would probably examine and consider
17 whether or not I would follow with serial
18 examinations of the abdomen or perform a
19 computed tomography.

20 Q What's the most common injured organ with blunt
21 abdominal trauma?

22 A In those patients experiencing blunt abdominal
23 trauma, it's -- I've seen it variously described
24 as the spleen or number two the liver. I think
25 with the advent of more CT scanning, we find the

1 liver may be number one and now the spleen
2 number two.

3 Q What's the incident **of** liver injury with blunt
4 abdominal trauma?

5 A No one knows.

6 Q Has it been reported as high as 30 to 40
7 percent?

8 A Oh, I think that's a number -- that would be
9 generated from extreme patient population of
10 severe blunt abdominal trauma. The reason I say
11 it's unknown is because every patient that comes
12 in with minor abdominal complaints in the
13 physical examination fails to warrant further
14 investigation and they subsequently do well, no
15 one will ever know whether or not they indeed
16 had a minor intra-abdominal contusion or
17 laceration. But certainly 30 to 40 percent is
18 far, far beyond my personal experience in the
19 average trauma population.

20 Q Knowing what we know now after autopsy, if a CT
21 had been done of the abdomen either in the
22 emergency room or at the time he was in the
23 emergency room or shortly after his admission **to**
24 the hospital, what would it show?

25 A I don't know, although I suspect it might not

1 have shown anything.

2 Q Okay. Do you have an opinion with a reasonable
3 medical probability as to what it would show?

4 A Based on my review of the chart and the events
5 of the chart, I think it would have been normal.

6 Q What do you base that on, the chart?

7 A Correct, and the autopsy results.

8 Q What about the autopsy results tells you that a
9 couple days earlier the CT would have been
10 normal?

11 A My review of the autopsy report, particularly in
12 light of subsequent expert's discussion of the
13 aging of the liver injury, seems to imply that
14 there was no injury there 38, 42 hours prior to
15 the autopsy or the death of the patient.

16 Q Well, you've based your opinion in part on
17 opinions of other experts?

18 A Correct, as I always do.

19 Q So the autopsy itself, I want to find out
20 what -- exactly what parts are based on what.

21 With respect to the autopsy itself, what
22 about that leads you to conclude that the CT
23 scan would have been normal a couple days prior
24 to death?

25 A Well, the laceration itself is not particularly

1 large, even on the autopsy report. It's
2 described as I believe five centimeters in
3 length. It's right at the area of the falciform
4 ligament, and that is often a great deal of
5 difficulty in that area of the liver telling
6 between the falciform and a juxtaposed
7 laceration. So that would be one issue.

8 The other issue is I believe there's a
9 good possibility that this injury was sustained
10 during the resuscitation.

11 Q I take it you don't date injury by looking at
12 slides, that's not in your area of expertise,
13 correct?

14 A Correct.

15 Q If one pathologist was to say it was an older
16 injury based on slides and another one was to
17 say it was a more recent injury based upon the
18 slides, you'd have no basis to agree or disagree
19 with either of them?

20 MR. TREU: Objection.

21 A No, that's not true. I think on the basis of my
22 medical education and on the basis of evaluating
23 injuries in general, and the recognition that
24 there are studies and techniques that I'm not
25 aware of, I would be very much interested in

1 terms of what pathologist A was basing his
2 judgment on versus pathologist B. In fact, when
3 I first reviewed this case, I recall asking
4 Dr. -- I'm sorry, Attorney Switzer whether or
5 not there were techniques for dating this liver
6 injury and that they might be of major
7 contribution in terms of determining when the
8 injury occurred.

9 Q Is it generally believed that liver injuries
10 over a period of time tend to clot off, stop
11 bleeding and start bleeding and stop bleeding
12 and start bleeding?

13 A No.

14 Q No?

15 A No.

16 Q You never read that in any of the trauma texts,
17 trauma literature?

18 A Your question was at this time typical for liver
19 injury to do that. I would say a typical
20 scenario is that there's an injury that the
21 liver stops bleeding and that's basically why
22 we're able to manage the vast majority of liver
23 injuries nowadays nonoperably because the
24 bleeding stops, the patient is followed
25 carefully as several of your experts have

1 mentioned, and I would say I probably operate on
2 no more than probably five to ten percent of the
3 major liver injuries now. In the past, if
4 you're referring to older textbook, these were
5 all operated upon and in hindsight we recognized
6 the vast majority of those procedures were
7 unnecessary.

8 Q So you would say it's typical for a liver injury
9 to stop bleeding?

10 A In a hemodynamic patient that has a minor injury
11 that's very much so the natural history of the
12 liver injuries.

13 Q And it just clots up at the site of the
14 laceration?

15 A Exactly. That and the spleen. The two organs
16 that we recognize have a remarkable ability to
17 repair themselves. That has been the single
18 most important advance in managing of blunt
19 trauma in the last 15 years has been the
20 recognition that these cases will spontaneously
21 heal.

22 MR. TRAVIS: Just answer the
23 question.

24 - - - - -

25 (Recess taken.)

- - - - -

1

2 Q Dr. Ghanma got involved actually in the
3 emergency room; is that right?

4 A He saw the patient in the emergency room,
5 correct.

6 Q And is it your understanding that he assumed the
7 role of the attending physician?

8 A Yes.

9 Q Was Brad Porter ever seen by a general surgeon?

10 A Not to my knowledge.

11 Q What is secondary assessment?

12 A That involves the -- let me start -- ask you
13 what do you mean by secondary assessment? I'm
14 not quite sure where you're coming from.

15 Q I've heard the term used in -- by trauma
16 surgeons, talking about the secondary
17 assessment -- the secondary assessment, and
18 that's what I'm asking about.

19 A I think -- not to quibble but people talk about
20 secondary survey. And the primary survey is the
21 review of the what we call the very basic
22 aspects of resuscitation which are the ABC's,
23 airway, breathing, circulation and disability
24 and exposure, and then the secondary is what **is**
25 classically described as from a top of the head

1 down to the tip of the toes examination of the
2 patient.

3 Q And I guess I started seeing this in connection
4 with, again, the term of art used the secondary
5 assessment where the -- it's one or more days
6 after the initial presentation the patient is
7 stabilized generally and then a secondary
8 assessment, is that what you're referring to by
9 the secondary survey?

10 A No, the secondary survey would be conducted at
11 the time of initial evaluation and people have
12 added into literature a term tertiary survey
13 meaning recurrent assessments of the patient
14 later on out of the emergency room or later in
15 their emergency room evaluation. Once again,
16 going back and detecting any complaint that the
17 patient may have and pursuing that.

18 I think a term that you may be referring
19 to is serial examinations, which is classically
20 reviewing patient's status and performing
21 focused examinations on the patient to detect
22 late occurring symptoms.

23 Q You reviewed the operative report for the first
24 procedure?

25 A Yes, I did.

Q What's the surgical procedure that you're familiar with?

A Not that specifically, but I'm certainly familiar with debridement and irrigating wounds and have done so many times

Q And then he was put on antibiotics I guess he was put on antibiotics when before that, is that right, I can't recall?

A I believe -- I believe he was given antibiotics, erythromycin and gentamicin.

Q What those antibiotics?

A Those are what we termed broad spectrum antibiotics and I believe there was concern that this might be a heavily contaminated wound would those be appropriate for the kind of contaminants that you'd find in Lake Erie?

A I don't really know what contaminants are in Lake Erie, but I think those are certainly accepted broad spectrum antibiotics and certainly would be in the class of antibiotics that I would describe. Given the fact that the patient has an immunocompromised allergic -- or there was concern of allergy to penicillin drugs

Q After first debridement, there was a repeat blood study done which included an hemoglobin

1 and hematocrit. Do you recall that?

2 A There was a second hemoglobin and hematocrit
3 ordered the following morning, approximately
4 eleven hours after the injury.

5 MR. TRAVIS: Just answer the
6 question.

7 Q What was the purpose of that, as you understand
8 it, that second test?

9 A I'd have to conjecture that the surgeon wanted
10 to make sure that the blood loss from the leg
11 wound had not been so significant that the
12 patient would be in a dangerous circumstance.

13 Q What did the second test show?

14 A It showed that the hemoglobin had fallen by what
15 I considered to be a relatively minor amount
16 into a range that is still very acceptable in
17 terms of hemodynamic stability.

18 Q What do you attribute the fall to?

19 A I think I would attribute it to the blood **loss**
20 at the scene of the injury, the blood loss at
21 the operative procedure, and finally any
22 subsequent bleeding that may have occurred on
23 the dressings in the post operative period.

24 Q Well, the H and H -- the first H and H would
25 have been done at the hospital after the scene,

1 after the loss of blood at the scene, correct?

2 A It was done, to the best of my calculations,
3 approximately one hour after the injury.

4 Q So are you saying that H and H wouldn't
5 necessarily capture, for lack of a better word,
6 the blood loss that occurred at the scene?

7 A That's correct.

8 Q Why is that?

9 A Because it's well-known that it takes a three to
10 four hour period of time for the body to
11 equilibrate any acute blood loss.

12 Q Well, given the two readings, would it have been
13 reasonable to consider whether there may have
14 been another source of blood loss in this
15 patient, other than the leg?

16 A If I had been reviewing these hemoglobins, I
17 would assume that that blood loss was totally
18 compatible with the injury as it's been
19 described in the chart.

20 Q Do you think it would have been prudent before
21 another surgical procedure to do another H and
22 H?

23 A Not necessarily.

24 Q So you would disagree with Dr. Shapiro with
25 respect to that?

1 A Based on what you've told me and the
2 circumstances that -- noted in the chart, I
3 would not have felt compelled to do another
4 hemoglobin.

5 Q I mean, you did read that in Dr. Shapiro's
6 testimony, correct?

7 A Dr. Shapiro's testimony was based on the premise
8 that a known liver injury was present.

9 Q That's your understanding of it?

10 A That was my interpretation of a rather lengthy
11 deposition in which hemoglobin was discussed on
12 several occasions.

13 Q Were the intakes and outputs charted throughout
14 the hospital course?

15 A As a general answer, yes, they're certainly
16 accurate intakes and outputs for the 14th and
17 the morning of the 15th.

18 Q Well, what parts were missing?

19 A Well, the only part that may be a little bit
20 difficult to chart completely was the
21 resuscitative fluids in the actual arrest
22 scenario. There were multiple referencing to
23 "wide open" and "bolus given," but no
24 quantitative value. But in terms of the
25 patient's IV fluids, following his first

1 operation and under outputs following the first
2 operation, they appear to be quite explicit to
3 me in the chart.

4 Q Would you agree that the patients who are at
5 high risk for blunt hepatic injury are those who
6 sustain an impact to the right or central lower
7 chest?

8 A No.

9 Q Would you agree that -- well, let me ask.

10 Those patients with impact to the right or
11 central lower chest, you do not consider them to
12 be at risk for blunt hepatic injury?

13 A The way you stated your question, I think those
14 patients have the greatest risk would be those
15 patients that have right anterior wall impact
16 and to a far lesser degree those patients that
17 sustain a posterior lower thorax, upper
18 posterior abdominal wall injury. But a chest
19 injury per se, I would expect injury to
20 intrathoracic organs.

21 Q I'm sorry, I missed something you said there.

22 You'd expect the patients for the greatest
23 risk of hepatic injury would be from an
24 abdominal wall injury, is that what you're
25 saying?

1 A Correct.

2 MR. TRAVIS: Anterior.

3 A I did state anterior and I think a secondary --
4 if I had to place an order -- would then be the
5 posterior torso for lack **of** a better term.
6 There's a little bit **of** ambiguity sometimes in
7 our phraseology.

8 Q As far as a chest injury, you would not consider
9 that a risk for hepatic injury at all?

10 A I didn't say that. I said that that would not
11 lead me to a high degree of suspicion. I think
12 any impact anywhere on the torso would alert me
13 that there's always a possibility that there
14 could be an additional injury, but you asked
15 what would lead to a high degree of concern or
16 suspicion regarding a liver injury.

17 Q I just asked that because that's what **Dr.**
18 Trunkey has written, that patients who are at
19 high risk for blunt hepatic injury are those
20 that sustain injury to their right or central,
21 lower chest and abdomen. Do you agree with
22 that?

23 MR. TRAVIS: I object to the
24 reference of the journal. If you want **to** show
25 him that, it obviously may be taking something

1 out of context.

2 Q You can answer.

3 A To be quite candid, that would be my thought
4 too. I'd like to see the entire reference. I'd
5 like to know the year it was written **in**.

6 Q I won't fool around. I've got it. I just got
7 this. Current treatment of --

8 A Yes.

9 Q Are you familiar with this book, Current Therapy
10 of Trauma?

11 A Yes,

12 Q You have this book?

13 A Yes.

14 Q 1999?

15 A It's a recent publication.

16 Q He's one of the editors and also a contributor.

17 Here's what I'm referring to, this page
18 235. "Patients at high risk for blunt hepatic
19 injury are those that sustain impact to the
20 right or central thoracic chest, upper abdomen,"
21 and he gives front seat passenger in a motor
22 vehicle accident, passenger struck on a
23 passenger side, driver striking the lower chest
24 of the steering wheel in an accident. That's
25 what I'm referring to.

1 MR. TRAVIS: Show that to
2 him, please.

3 Q I'm asking --

4 A I think I won't disagree, but I also point out
5 that he's talking about an anterior injury in
6 his example, which is what I stated is that
7 essentially one would be skewed about an
8 anterior upper abdominal or anterior perhaps
9 lower chondrocostal area of impact because,
10 after all, the ribs do protect the liver to some
11 degree.

12 Q Well, as you said before with respect to the
13 abdomen, anterior injury could cause it,
14 posterior injury could cause it, right?

15 A I said I certainly graded those two. By far the
16 most common is an anterior impact.

17 Q Why is that?

18 A Because the liver is an anterior structure, it's
19 immediately underneath the anterior abdominal
20 wall here in the lower chondral margin.

21 Q And then anterior would be first and then
22 posterior abdominal trauma would be second?

23 A That's all there is, anterior or posterior. I
24 guess one could have lateral.

25 Q Right. Right. So you could have anterior,

1 lower right, lower chest injury and that would
2 be a suspicion for liver injury, correct?

3 A I would term it -- it would be one of the very,
4 many potential differentials of an injury that
5 might occur with the impact in that area, yes.
6 Q Same would be true with posterior chest because
7 the chest goes around the whole body, right?

8 A Correct.

9 Q And at least in Dr. Trunkey's statement, he
10 lists chest and abdomen in the same sentence
11 with respect to high risk of hepatic injury,
12 correct?

13 A Correct.

14 Q So I suppose to start with the fact it certainly
15 is possible to have a posterior -- right-sided
16 posterior chest injury and have liver damage,
17 correct?

18 A I agree, but actually I would expect a posterior
19 liver damage in that case.

20 Q Where along the liver, just anywhere posterior?

21 A Yes. There's an anterior aspect to the liver,
22 there's the dome of the liver and as it curves
23 posteriorly, there's a posterior superior aspect
24 of the liver. But I would expect if someone
25 told me they had anterior impact, typically I

1 would expect it to be anterior although not
2 exclusively. If they had posterior impact, I
3 would typically expect it to be posterior
4 injury.

5 Q Where would the falciform ligament be?

6 A That's very anterior and superior.

7 Q So up by the -- almost to the dome?

8 A No, it's -- the dome is directly under the
9 diaphragm. The falciform ligament is an
10 anterior ligamentous attachment between the
11 curving anterior surface of the liver and the
12 anterior abdominal wall.

13 Q Now, did Mr. Porter have any complaints of
14 tenderness in the area of the lower chest --
15 right lower chest?

16 A I believe he mentioned to Dr. Ghanma that -- or
17 Dr. Ghanma mentioned in his deposition that he
18 had complained of posterior right lower chest
19 discomfort.

20 Q And Dr. Ghanma concluded that there was
21 tenderness in that area?

22 A I believe Dr. Ghanma testified that he examined
23 that area and asked the patient several
24 questions related -- related to that complaint.

25 Q Do you recall that Dr. Ghanma said that he

1 attributed the complaints in that area to the
2 boating accident?

3 A I believe he did **so**.

4 Q Is it possible that those complaints in that
5 area -- I don't think he had any abrasions in
6 that area, did he?

7 A I don't believe that was in the coroner's
8 report, but I can check that if you like.

9 Q Sure.

10 A In the final anatomic diagnosis, the pathologist
11 notes abrasions to the left leg, left thigh,
12 left ankle, two abrasions to the left shoulder,
13 and laceration to the thumb, but I see no
14 mention of abrasions to the thorax.

15 Q **So** what does that tell you?

16 A It tells me there were no abrasions on the
17 patient.

18 Q Well, would it be -- if he did in fact, as Dr.
19 Ghanma determined, had tenderness in that area,
20 would it be more likely that it was some kind of
21 a blunt trauma?

22 A I would have to assume that Dr. Ghanma had the
23 same conclusion that I had, which was that the
24 patient had sustained some sort of force to that
25 area that was causing discomfort, although if it

1 wasn't manifested by severe tenderness nor by
2 contusion nor by laceration or abrasion, my
3 index of concern would be history, and then I
4 would proceed with asking specific questions of
5 the patient regarding any symptoms.

6 Q Of course Dr. Ghanma has testified and he did
7 talk to the patient about this?

8 A Correct.

9 Q Well, is it possible that the complaints that
10 this patient was having at this time in this
11 area related to a laceration in his liver?

12 MR. TREU: Objection.

13 A I would have expected this patient's complaints
14 to have corresponded to the location of the
15 purported liver injury which is anterior, so I
16 would personally be surprised that he had
17 posterior chest wall complaints for an injury
18 that would normally result in anterior abdominal
19 wall and/or perineal symptomatology.

20 Q Was the patient laying -- when the patient was
21 in bed in the hospital, what was the position?

22 A I don't know.

23 Q What do you believe?

24 A I would assume he was lying as most patients do,
25 which is laying in a semi-recumbent position

1 because that's the only comfortable way to lie
2 for a prolonged period of time.

3 Q Would that, if you have a bleed somewhere in
4 your abdominal cavity, lead the blood to flow
5 towards your -- posterior **of** the perineal
6 cavity?

7 A It would ultimately result in -- depending **on**
8 the position, but more in the pelvis rather than
9 in the posterior abdominal cavity.

10 Q And is it blood that actually irritates and
11 causes the discomfort in the patient?

12 A Generally, yes.

13 Q At that point that Dr. Ghanma was aware of, **as**
14 you say some force to this area, right lower
15 chest, what is described in his deposition and
16 complaints from the patient, would it have been
17 appropriate **to** consider the possibility of liver
18 injury?

19 A I think it would have been appropriate to ask
20 some specific questions to determine whether or
21 not there might be something going on within
22 either the chest and/or the abdomen.

23 Q And what, depending on what the answers were, go
24 from there?

25 A Yes, as we always do. We always ask patients

1 questions and their responses dictate our next
2 step.

3 Q Did you notice anywhere where the nurses had
4 noted anything about this pain that Dr. Ghanma
5 talked about in his deposition?

6 MR. TREU: Objection. **As**
7 to tenderness as opposed to pain?

8 Q I understand.

9 A I saw a reference only to pain and in the
10 context I saw it, it seemed to be related to the
11 laceration pain.

12 Q Did you notice any reference to this tenderness
13 that Dr. Ghanma testified to?

14 A I can't recall specifically what Dr. Ghanma
15 testified, but I did not see any reference in
16 the nursing charts to posterior chest wall
17 discomfort, but I do note that there were
18 multiple references to the abdomen being
19 nontender.

20 Q How would you explain that? I mean, Dr.
21 Ghanma -- the patient did complain to him of
22 this, Dr. Ghanma examined it, and the nurses
23 have no notation about it?

24 A Well, I don't think the nurses were present
25 during that interaction. I think the average

1 patient floor has perhaps 20, 25 beds and the
2 nurses are not sitting at each bedside during
3 each examination. **So** that was just Dr. Ghanma
4 doing his routine postoperative rounding and
5 finding out whether or not there might be
6 something new that the patient could inform him
7 about.

8 Q Let's talk a little bit about this second
9 surgery. I really don't have that much -- **all**
10 that much more.

11 Let me just ask you generally during a
12 surgical procedure, who was responsible for
13 maintaining the patient's blood pressure?

14 A I think it's always a joint operation, but in
15 general if I had to say who would have the
16 greater degree of input and moment to moment
17 decision making would be the anesthesiologist.

18 Q And when you say a joint operation, what do you
19 mean by that? **Do** you mean joint between the
20 surgeon and the anesthesiologist, I assume?

21 A Correct.

22 Q Or do you include also the other people in the
23 operating room as well?

24 A No, it would be the surgical team itself and
25 that would be the anesthesiologist and the

1 surgeon. It's not a nursing decision --

2 Q Okay.

3 A -- to administer fluids or other drugs.

4 Q So again, then, what do you mean it's a joint
5 operation, or what did you say joint
6 responsibility?

7 A I think I prefaced that with saying in general
8 the anesthesiologist whose attention is focused
9 on hemodynamic status and vital signs takes the
10 lead role in this, but certainly he or she would
11 keep the surgeon's opinion in mind and he would
12 inquire as to what was going on on the other
13 side of the op screen. And vice versa, the
14 surgeon if there was some obvious problem on his
15 or her side of the anesthetic screen would
16 mention that to the anesthesiologist, and in
17 that sense I consider it a joint responsibility
18 and a joint undertaking.

19 Q Is it the obligation of the surgeon to assess
20 the blood pressures before commencing the
21 surgery?

22 A I think he should be aware of them.

23 Q Okay. By affirmatively asking or just relying
24 upon the anesthesiologist to tell him?

25 A Typically, it's the latter in the sense that

1 we -- we work in a situation where each person
2 in that team is attending their major portion of
3 responsibility and they depend on one another to
4 inform one another if there are problems within
5 the subsectors.

6 Q Certainly during the procedure it's the
7 anesthesiologist's primary responsibility to
8 monitor the blood pressure, correct?

9 A That's correct.

10 Q And communicating any problems with that blood
11 pressure to the surgeon, correct?

12 A I would agree with the exception that it would
13 be any unusual problems.

14 Q Yes. Thank you.

15 Now, there had been a -- are you aware
16 that Mr. Porter had a drop in his blood pressure
17 in the early morning hours before the second
18 debridement?

19 A Correct. The chart documents what I consider to
20 be a relatively minor drop in his pressure.

21 Q What do you attribute that drop to?

22 A I actually think he was in the early stages of
23 sepsis.

24 Q What makes you think that?

25 A The nature of the wound. The nature of the

contaminant. The operative cultures that were procured in the first operation. The findings of the second operation. And the elevated temp, or fever, that the patient manifested the night prior to operation.

Q With the exception of -- in your list of things there with the exception of the findings from the second operation, all those other factors would have been known to Dr. Ghanma prior to his starting the second operation, correct?

A Correct. And he also was undertaking a second operation with the expectation that there would be a wound infection if he did not intervene.

Q Let me ask you: Are there different methods of debriding Mr. Porter's leg?

A Debridement is a general term for the general process of removing devitalized tissue and covering any areas of obvious infection. So I'm sure there may be various ways of debriding, but there tends to be several standard techniques that are employed.

Q When you say in the early stages of sepsis, what does that mean? You know, some things have definite stages and some -- you know, I don't know if you're using that to refer to definite

1 stages or are you just using it generically to
2 say it was early on in the process? What do *you*
3 mean?

4 A Well, I think that sepsis is a manifestation of
5 infection in an organ or a tissue and that
6 ultimately, if uncorrected, either by the body
7 or by interventions, any septic focus can become
8 generalized and become potentially lethal. And
9 in a wound that was heavily contaminated by
10 water that was of known potential contamination,
11 this was a particular prone area and I think the
12 patient manifested several classic signs **of**, as
13 a minimum, local wound sepsis and I believe
14 early generalized sepsis.

15 Q Why do you believe generalized?

16 A I am attributing his diminution in his pressure
17 as one of those signs of systemic sepsis. He
18 had just prior to that drop in blood pressure
19 spiked a fever. He had known contamination **of**
20 deep tissues and I -- I find his clinical course
21 during that late night and early morning as
22 compatible with the early onset of the
23 generalized sepsis.

24 Q How do you treat that generalized sepsis?

25 A It's treated by, in this type **of** case, by a

1 tandem of antibiotics, operative debridement and
2 general support of the patient in terms
3 hemodynamic fluids.

4 Q You reviewed the blood pressure readings for the
5 induction and -- of the patient on to the
6 beginning of the actual surgical procedure? I'm
7 breaking it into pieces.

8 A Yes, I have. Although the times are not precise
9 in terms of when the induction was and when the
10 actual procedure began. But in general, I think
11 I have a general knowledge of when all of those
12 occurred.

13 Q Well, based on that general knowledge, and
14 obviously if you have to look at all those
15 either photographs or listings out, but based
16 upon review of those post induction
17 pre-procedure readings, would you agree with
18 Dr. Ghanma that Dr. Quansah, the
19 anesthesiologist, should have made him aware of
20 those blood pressure readings prior to the
21 commencement of the surgery procedure?

22 MS. HENRY: Objection.

23 A I think I would have liked to have known that
24 the patient's blood pressures were lower than
25 what would have been expected, particularly

1 beyond the immediate period after the induction.
2 But the induction phase typically has some
3 pretty scary hypertensive episodes that the
4 surgeon generally isn't aware of and the
5 anesthesiologist corrects and it's only a quick
6 note in the anesthetic record when we go back
7 later on and look at it. But if the
8 hypertension had been sustained, I would have
9 preferred were I Dr. Ghanma to have been
10 informed of that.

11 Q Did you read in Dr. Ghanma's testimony was that
12 he wouldn't have started the procedure had he
13 known about those pressure readings?

14 A I read that.

15 Q And did you agree with -- he was the surgical
16 decision, **so** I suppose you would agree with his
17 surgical decision in that respect?

18 MS. HENRY: Objection..

19 A I agree that he -- that that would have been a
20 decision one could make. To be quite frank, I
21 might have attributed that to the sepsis and
22 then had been actually thinking this is even
23 more argument that I need to get this
24 debridement done.

25 Q Well, when you say you would have liked to have

1 known and things like that, we're talking about
2 a patient -- a young patient with blood pressure
3 readings that are scary, that was your term I
4 think, that's a good description here --

5 MS. HENRY: Objection.

6 Q -- isn't it incumbent upon the
7 anesthesiologist --

8 A I don't think I said scary in terms of this
9 case.

10 Q I didn't say that's how you described it. You
11 used that to describe blood pressure readings in
12 other settings.

13 A Of the induction of cases that otherwise go
14 smoothly.

15 Q Right. And I'm -- I'm describing them **as** scary.

16 MR. TRAVIS: Objection.

17 MS. HENRY: Objection.

18 A I would give you the right to describe them as
19 scary.

20 Q I mean, isn't it really incumbent upon the
21 anesthesiologist under these circumstances to
22 let the surgeon **know** before the surgery starts
23 the procedure about the blood pressure readings
24 that we have in front of us?

25 MS. HENRY: Objection.

1 MR. TRAVIS: Objection to the
2 extent you're asking him an anesthesiology
3 standard of care question.

4 You can answer if you can.

5 A I think were I the anesthesiologist and were I
6 the surgeon, and we were both operating on a
7 case that -- with the explicit presumption that
8 the reason you're being there, we're trying to
9 prevent impending sepsis with generalized
10 symptoms resulting from that sepsis, I could
11 understand the anesthesiologist believing that
12 the surgeon would know that this patient would
13 be hypertensive during the undertaking of that
14 procedure.

15 Nonetheless, I would have preferred were I
16 Dr. Ghanma to have been notified and just double
17 checked that even though you're bringing this
18 patient down here for sepsis, even though this
19 is a heavily contaminated wound, one might
20 reasonably termed hypertensive under those
21 circumstances, nonetheless confirm that in some
22 sort of communication after the induction and
23 after the hypertension persisted.

24 Q I don't know what you just said, but --

25 A Can we read it back?

1 Q I don't need it read back. Are **you** talking
2 about standard of care in this case?

3 A Yes.

4 Q About whose standard of care?

5 A About those areas that I believe I have an
6 expertise in.

7 Q Okay. And what would those be, so I'm clear?

8 A The broad areas would be I think very comparable
9 to what Dr. Shapiro claims an expertise in,
10 which would be trauma, management of the trauma
11 patient, the assessment. Trauma patient, the
12 intra-operative care of the trauma patient and
13 those aspects of critical care that make me
14 unique above and beyond the general surgeon to
15 discuss complex issues of critical care.

16 Q I mean, are you going to give any standard of
17 care questions -- I assume about Dr. Ghanma, the
18 surgeon, are you going to say that he was within
19 the standard of care?

20 A I would say for those areas that have a conjoint
21 area of knowledge and experience, meaning soft
22 tissue injuries from trauma, yes, I feel
23 comfortable with that. If we deal with more
24 complex orthopedic issues, I'm not Board
25 certified in orthopedics.

1 Q Okay. Well, I don't think we're going to be
2 getting into orthopedics. What about -- I'm
3 assuming you're not -- based upon the objection
4 of not your counsel, of counsel here, you're not
5 going to be offering standard of care opinions
6 relating to the anesthesiologist; is that
7 correct?

8 A Other than as those that deal with my interface
9 with the anesthesiologist, sharing the conduct
10 of a typical operative case.

11 Q Well, I don't know if that applies here or not.
12 Are you going to --

13 A Your question?

14 Q -- talk about standard of care?

15 A You prefaced your question asking me about her
16 interactions with Dr. Ghanma and obviously felt
17 I had some background that I could extrapolate,
18 either my past knowledge or what I assume .to be
19 an appropriate behavior. So I think that it
20 will be simply on the basis of my experience in
21 thousands of trauma cases what would I expect.
22 But beyond the actual technical aspects of her
23 anesthetic conduct, I'm not qualified to discuss
24 that.

25 Q Okay. Well, I just -- we just want to make sure

1 before you leave. And I -- you're being very
2 precise and I appreciate that because I've asked
3 questions about what you would expect and about
4 the conduct of the anesthesiologist.

5 What I really wanted to know is are you
6 going to state an opinion with reasonable
7 medical probability in this case regarding
8 whether or not Dr. Quansah met the standard of
9 care for an anesthesiologist under these
10 circumstances? Because that's not in your
11 report and you're not an anesthesiologist, but
12 if you're going to state that, we better explore
13 it.

14 A No, I'm not going to state that.

15 Q Okay. That saves us a lot of time.

16 What is sudden bacterial sepsis?

17 A I use that phrase to talk about the progression
18 of a local, regional septic process to the point
19 that either the bacterial toxins or whatever
20 mediators are responsible for the ultimate
21 systemic syndrome become manifested.

22 Q What is the sudden part of it, sudden bacterial
23 sepsis?

24 A Well, I think sepsis can be a very scary process
25 in which people appear quite well and within a

1 very short period of time they become very
2 unstable in terms of hemodynamic parameters.
3 They have dysfunction of a variety of their
4 critical organs and they become -- literally
5 their lives become at jeopardy for continued
6 survival anywhere from, theoretically, minutes
7 to hours or days thereafter.

8 Q Is sepsis a progressive disease?

9 A I think unless somebody is injected
10 intravascular with bacteria, it always starts at
11 some focal area, be that the lung in pneumonia,
12 be that abdomen peritonitis or be that in a soft
13 tissue focus it gets -- it overwhelms the body's
14 local and systemic attempts to confine the area
15 of injury and then it becomes a systemic
16 process.

17 Q Have you ever seen a cause of death listed for
18 somebody as sudden bacterial sepsis?

19 A I don't think people use the adjective sudden,
20 but they certainly say sepsis or overwhelming
21 sepsis or sepsis syndrome or multi or secondary
22 to generalized sepsis organ failure. When I say
23 sudden sepsis, I think that was rather
24 descriptive rather than a nominative term.

25 Q I don't think that you're the one that said it,

1 but --

2 MS. HENRY: My expert said
3 it.

4 Q Sudden bacterial sepsis. I don't want to try
5 and put that word in your mouth.

6 Now, you say in your report that you have
7 disagreed with Dr. Matus as to the cause of
8 death?

9 A Correct.

10 Q And what do you understand Dr. Matus' conclusion
11 to be as to the cause of death?

12 A My understanding is that the coroner attributed
13 death to hemorrhagic shock from a liver
14 laceration.

15 Q And you don't think that's true?

16 A I don't think the facts in the record
17 substantiate that.

18 Q And are you going to be offering another cause
19 of death?

20 A I'm going to be offering other possibilities,
21 yes.

22 Q You're going to be offering possibilities, but
23 you can tell me about them. What caused Mr.
24 Porter's death?

25 A Well, I believe he was in the early stages of

1 systemic sepsis in the operating -- when he
2 arrived in the operating theater, that he was
3 uniquely susceptible to any other assault on any
4 of the other vital structures at that moment.
5 And I believe the circumstances of his
6 precipitous favors the possible -- the
7 possibility and the probability of a major
8 pulmonary thromboembolism.

9 Q The possibility of a -- maybe I didn't get that.

10 A I think I stated that I think it's very probable
11 he had a massive pulmonary thromboembolism.

12 Q Okay. And what do you base that very
13 probability on?

14 A I think this patient is a unique risk for
15 developing what we call deep V thrombosis based
16 on the possibility of a major injury to an
17 extremity. The fact that his injury would force
18 him to be bed ridden, the fact that he had a
19 sudden precipitous change in his hemodynamic
20 status that may have correlated to movement on
21 the table or movement of the extremity. The
22 fact that he had a sudden precipitous drop on
23 two occasions in his CO2, and the fact that he
24 was noted to have a very dilated right ventricle
25 echocardiogram. There's perhaps other

1 circumstances I can't recall at this moment.

2 Q What caused his pressure to drop throughout the
3 procedure prior to his arrest?

4 A I believe that was probably due to the **sepsis**
5 that was developing at that time.

6 Q **So** the sepsis is causing his blood pressure to
7 drop during the procedure, correct?

8 A It's causing it to stay low during the procedure
9 and occasionally dip, but admittedly at a very
10 low baseline level relative to what I expect **in**
11 a healthy 28 year old male.

12 Q While being supported with doses of
13 phenylephrine and epinephrine?

14 A Correct. And those are not unusual drugs to
15 have to employ with someone who is septic.

16 Q So that sepsis, A, is keeping it low and
17 occasionally causing it to dip, correct?

18 A Correct.

19 Q And then all of a sudden pulmonary embolism?

20 A All of a sudden major event, attempt to recover
21 on the part of the patient's cardiac system and
22 ultimately failure to compensate an arrest.

23 Q The event is the pulmonary embolism, though,
24 right?

25 A The -- the -- yes, the ultimate lethal event I

1 believe is the pulmonary embolism. I think he
2 probably would have been able to survive the
3 sepsis.

4 Q Okay. He probably would have survived the
5 sepsis but he gets -- it has to be a pretty big
6 embolism to cause him to suddenly arrest,
7 doesn't it?

8 A I agree, yes. And he did not suddenly arrest,
9 initially. He suddenly became unstable at 10:00
10 and he arrested 28 minutes later or whatever.

11 Q So you think the -- the embolus occluded his --
12 where did the embolus get lodged?

13 A I can only speculate, but it would -- if you
14 care to, I will.

15 Q Sure.

16 A I think that it -- it was a major pulmonary
17 outflow tract embolus lodged in one of the major
18 if not both major pulmonary arteries and that --
19 that as the classic response of basically giving
20 a hemodynamic blockage to the right heart. So
21 the patient goes into acute right heart failure.

22 Q You think that happened at 10:00?

23 A I think the initial embolization probably
24 occurred at 10:00 and I think I'm -- I'm
25 speculating that either that ultimately

1 overwhelmed the right heart or that a second
2 embolization occurred right as the procedure was
3 terminated.

4 Q Okay. Now, I know you're speculating and you
5 told me that you were, so I guess you can't say
6 with reasonable medical probability where the
7 embolus went in the heart, correct?

8 A Correct. Although I don't believe the embolism
9 was within the heart. Typically it's within the
10 outflow tracts of the right heart.

11 Q Okay. But you can't say with reasonable
12 probability that that's where it was either,
13 correct?

14 A Correct, but that is typically the type of
15 embolism that causes a fatal acute
16 destabilization in a patient.

37 Q **So**, where is it? Where is the embolus?

18 A During the operation?

19 Q No. Where is it after he dies?

20 A I'm not sure. People unfortunately -- I don't
21 think people examined the patient carefully,
22 meaning the pathologist.

23 Q He missed it?

24 A I think there were several unique aspects to
25 this case, one which -- one of which was an

1 uniquely prolonged effort at resuscitation,
2 resuscitating this patient over an hour and 30
3 minutes. I think the fact that the patient was
4 given an exogenous thrombolytic agent was unique
5 to this case and may have contributed to the
6 dissolution to the clot after the arrest had
7 taken place. And finally, I think the clot
8 probably was mechanically and chemically
9 dissolved and migrated into the periphery **as a**
10 multitude of smaller clots, and I don't know
11 whether or not those in fact may have been acted
12 upon by the TPA.

13 Q Don't you think that a pathologist would be much
14 better suited to address those issues than you?

15 A I certainly think that would be an area of their
16 expertise, yes.

17 Q None of the pathologists in this case is going
18 to say that the embolus could be totally
19 dissolved mechanically, by drugs or whatever?

20 A I don't believe --

21 MS. HENRY: Objection.

22 A I don't believe I said it would be totally
23 dissolved.

24 Q Do you really think you're qualified to talk
25 about the postmortem findings with respect to

1 this -- to this supposed emboli?

2 **A** I think I've dealt with a number of people that
3 have had pulmonary emboli. I've looked at a
4 number of radiologic studies and I've looked at
5 a number of postmortem studies on patients that
6 had lethal pulmonary emboli. Where I certainly
7 don't have the expertise of a pathologist, I
8 won't claim that I do, I certainly would expect
9 a careful and detailed examination of the
10 pulmonary vasculature to be undertaken in a
11 precipitous intra-operative death of an
12 unexpected nature. And more importantly, I
13 think someone should have looked to see what
14 might be potential sources for these emboli, and
15 I will leave that up to the experts. But
16 typically my postmortem reports discuss those
17 areas.

18 **Q** Well, I mean, what do you think Dr. Daniels was
19 doing in this case? I mean, do you have any
20 information that he was careless in his
21 examination of this patient?

22 **A** I have only the pertinent negative that he
23 failed to look at the deep venous system of this
24 patient's lower extremities, in a patient who **is**
25 a classic patient at risk for pulmonary emboli.

1 And I remember that there was a very cursory
2 one-line report about the nature of the
3 pulmonary vasculature and I just presumed that
4 he had additional information, but it doesn't
5 appear that he did, at least in the reports that
6 I have.

7 Q Well, I take it then you're critical of Dr.
8 Daniel's procedure in this?

9 A As a surgeon, I'm surprised that he did not try
10 to nor investigate the possibility of a
11 pulmonary thromboembolism in a patient that had
12 unexpected, sudden cardiovascular arrest in the
13 operating room and he would have been in general
14 good health prior to that.

15 Q Well, surprised, I don't know where that gets
16 us. Are you critical of him or not?

17 A As a surgeon, yes, I'm critical of him.

18 Q Have you disputed -- in these situations that
19 you talk about when you find out about what the
20 coroner comes up with, do you sometimes say,
21 Hey, coroner, you ought to look further for the
22 cause of this death? You didn't really do what
23 you should have done. I mean, I'm paraphrasing,
24 of course. I'm sure that that comes up, right?

25 A Well, not really. It's relatively rare to have

1 the autopsy report in front of you any sooner
2 than four to six weeks after death. That's --
3 the final report is rarely present and typically
4 what you receive is -- after perhaps four to
5 five days, you may receive what is a preliminary
6 report and has huge red stamps or verbal stamps
7 plastered all over it saying this is a
8 preliminary report. I would have heard that
9 report and probably just presumed my question
10 would have been is there any evidence of deep
11 venous thrombosis, but by then as I told you
12 receiving a report at four to six weeks after
13 fact, it's too late.

14 Q And have you ever talked to the coroner in a
15 case that you're really baffled about and --

16 A Yes.

17 Q -- say hey, you know, as soon as you get
18 something, give me a call or whatever?

19 A Yes, I've done that.

20 Q And talked with them about, hey, that doesn't
21 seem to match, why don't you try something, why
22 don't you look here, look there?

23 A I'm not sure I've ever done that. But in these
24 circumstances I might have, but I don't know
25 what I would have done.

1 Q Well, Dr. Ghanma certainly could have done that
2 in this case, could have talked to the coroner
3 and asked him to have other issues explored?

4 A I think Dr. Ghanma would have made the same
5 conclusions that I did, which is he was dealing
6 with someone who is competent in their field,
7 given their position, and perhaps only after the
8 fact would he have questions about it.

9 Q Is it still your assumption that Dr. Daniels is
10 competent in his field?

11 A I don't have -- I can't render an opinion
12 because I'm not Board certified in pathology. I
13 can only state that I'm deeply surprised that he
14 did not look for deep venous thrombosis in a
15 patient that suffered a pulmonary
16 thromboembolism.

17 Q I mean if he were to tell you that, you know,
18 clearly in a case like this, where the embolus
19 could be so large you don't find any evidence of
20 it after carefully looking for it that, you
21 know, you don't go -- it's not the standard for
22 him to go stripping the veins in the leg, if he
23 were to say that to you --

24 MR. TRAVIS: Objection.

25 Q -- do you have any basis to disagree with him as

1 a pathologist?

2 MR. TREU: Objection.

3 MR. TRAVIS: Objection. I

4 don't think that's a correct characterization of
5 what Dr. Daniels testified to, but you can
6 answer if you can, Doctor.

7 MS. HENRY: Objection.

8 A I would be surprised if he would say that. If
9 he did say that, I would probably contest him
10 and say are you saying it's impossible that this
11 patient could have had a thromboembolism and
12 don't you think that some supporting evidence f
13 that would have been the detection of deep
14 venous thrombosis in this patient's lower
15 extremities and how can you draw that
16 conclusion, Dr. Daniels? That would have been
17 my response as an attending surgeon in this
18 case.

19 Q So what if they would have found some evidence
20 of emboli in the legs?

21 A That would have been I think a very substantial
22 support to my thesis that this patient had a
23 major pulmonary thromboembolic event.

24 Q Have you read the deposition of Dr. Barnell in
25 this case?

1 A Yes, I have.

2 Q Did he testify that despite **TPA**, despite
3 ventilation, despite the effort of the
4 resuscitation, the embolus would have been
5 present and would have been able to have been
6 found in this patient postmortem? **Is** that your
7 understanding of his testimony?

8 A No. My interpretation of what he said was that
9 if one does not look for it, one cannot find it.
10 And that he felt that the number of microslides
11 taken of the lungs was totally inadequate to
12 reasonably exclude the possibility that the
13 major pulmonary thromboembolism had been
14 effectively either mechanically or chemically
15 lysed. I think he repeatedly stated that one
16 cannot prove the absence of events when one does
17 not look for that event adequately.

18 Q If you don't find it, you can't prove it wasn't
19 there, so experts could come in and testify that
20 it was there?

21 A No. I think if you don't look for it, you can't
22 find it. **So** experts can say you didn't **look** for
23 it and therefore you didn't find it on the basis
24 of that.

25 Q Cite me to some literature that says you ought

1 to be able to find this emboli, or we ought to
2 not be able to find this emboli because of **TPA**?

3 A If you care to, I'll try to review the
4 literature. I certainly have read in my various
5 readings over the years that TPA has been used
6 to -- acutely as a lytic agent in a
7 thromboembolism, that angiograms on surviving
8 patients has noted significant if not near total
9 dissolution of the thromboemboli and that
10 unfortunately that rarely changes the outcome
11 but it clearly does result in notably improved
12 hemodynamic status as well as tangible
13 dissolution of those clots, analogous what we
14 know occurs in many other vascular beds of the
15 hemoglobin.

16 Q What if they started using TPA at 10:00?

17 A That would have been contraindicated at that
18 point.

19 Q Why didn't anybody recognize at 10:00 that he
20 was having this major clot, major pulmonary
21 embolus?

22 A I think he entered -- I think it may have
23 entered into Dr. Ghanma's differential, I don't
24 know. I know one of the classic differentials
25 in a sudden drop in the entitled C02 is a

1 pulmonary embolism, but there are other
2 differentials that I think all **of** those were
3 entering into the ongoing on-line decision
4 making **of** the anesthesiologist.

5 Q Well, if the anesthesiologist or the surgeon
6 thought at 10:00 that this was a pulmonary
7 embolus, what steps could they have taken?

8 MS. HENRY: Objection.

9 A I think they should do the classic therapy which
10 is general supportive therapy, volume loading **of**
11 the patient. That -- and, by the way, I'm
12 prefacing all this assuming that was the
13 exclusive diagnosis and that they had no other
14 working diagnosis. And then trying to move
15 along with the operation and get the patient
16 into a more monitored situation.

17 Q Well, did they do that? Did they fluid load him
18 at 10:00?

19 A I believe Dr. Quansah's notes mention that
20 boluses were given, but you'd have to ask her.

21 Q Well, you read her deposition.

22 A Yes, I have and I don't know precisely what
23 happened at 10:00 versus at 10:15. But my
24 general impression was that she was giving this
25 patient -- she started a second IV for the

1 explicit purpose of giving additional fluids,
2 both on the basis of what I presume was her
3 suspicion that the patient might be septic and
4 additionally noting that he was hypertensive. I
5 don't think anyone would have presumed to make a
6 diagnosis of pulmonary embolism on the basis of
7 the initial dip in the blood pressure at 10:00.

8 Q Have you ever concluded that a patient had a
9 pulmonary embolism where none was found in
10 autopsy?

11 A Yes. In a sense no autopsy was done in the
12 patient and the clinical scenario was such that
13 we and the coroner concluded that the pulmonary
14 embolism had occurred. But, no, I have not
15 dealt with a case -- but I've never had a case
16 with the unique aspects of this case in that the
17 patient had an hour and a half of CPR and 45
18 minutes of TPA working this embolism.

19 Q So the answer is you never in your entire career
20 ever concluded that a patient had a pulmonary
21 embolus in a situation where there had been an
22 autopsy, showed no pulmonary embolism?

23 A That has yet to occur in my practice.

24 Q And you never read about such a situation,
25 either?

1 A I don't read -- that, I assume would occur in a
2 medical-legal type of scenario rather than in
3 the general medical text, and I certainly have
4 never read anything about that.

5 Q All right. So what caused all this blood in his
6 peritoneal, in Mr. Porter's peritoneal?

7 A I think that was on the basis of the
8 resuscitative efforts because I'm not impressed
9 there was all that much blood.

10 Q How much blood was it?

11 A The coroner came up with a precise figure of
12 1500 cc's.

13 Q And you're not impressed with that?

14 A I'm not impressed that that's enough to cause
15 the death of a pre-existing healthy 28 year old
16 male, And I have treated multitude of patients
17 who had comparable amounts of blood who received
18 no transfusion and survived with a comparable
19 amount of known blood in their abdomen.

20 Q But he wasn't really previously healthy, was he;
21 he was in the early stages of sepsis?

22 A No. I stated prior to the injury. But if he
23 indeed were in the early stages of sepsis, I
24 think he would have been -- that would have been
25 a contribution to his relative ability to be

1 prone to any event. But as I said, many of our
2 patients in trauma are both septic and have
3 blood loss. But I don't think 1500 cc's is just
4 not that much blood in a peritoneal cavity. **And**
5 I'll voice my opinion I'm not convinced that all
6 that was present at the time **of** the arrest.

7 Q So the sepsis is really not that significant?

8 MS. HENRY: Objection.

9 MR. TREU: Objection.

10 A No, I did not state that.

11 Q It's not significant enough that the patient who
12 would lose 1500 cc's of blood, this in
13 combination with being in the early stages **of**
14 sepsis, you don't think that could cause this
15 patient to arrest?

16 MS. HENRY: Objection.

17 A I don't really know. I -- I just know he would
18 have been more prone to the consequences of a
19 blood loss were he septic. But I still don't
20 believe that that was a -- I think it was a
21 moderate amount of blood loss, but it was -- in
22 and of itself it's not my experience that that
23 should cause a patient to arrest.

24 Q I'm not asking you in and of itself. I'm asking
25 that blood **loss** coupled with the early stages of

1 sepsis that you identified, **do** you know whether
2 or not that would be sufficient to cause this
3 patient to arrest?

4 A No, I don't know.

5 Q Okay. So it's possible?

6 A I guess it is possible, but anything is
7 possible.

8 Q Yes, it is. So I know you want that other
9 opinion about this happened -- this **blood** is
10 post arrest blood, correct?

11 A I believe some of it may be, if not all of it.

12 Q Why do you think that? I mean, I know you've
13 got some opinions from some other experts that
14 you rely upon. But you know you yourself. Why
15 do you think that?

16 MR. TRAVIS: Objection. He
17 didn't state he relied on any other expert for
18 that. You can answer, Doctor.

19 A Well, I think the patient if -- whenever this
20 laceration occurred, that if there was continued
21 circulation, I would expect the laceration to
22 continue to bleed. And during the arrest,
23 the -- clearly the impressions would lead to
24 some sort of circulatory response. How
25 effective it was or the real results of it, I

1 don't know, you have to ask the people who were
2 there. But typically during CPR you put your
3 hands in the groin, you can feel a pulse wave
4 with each compression. And that -- and clearly
5 I have personal knowledge of a case in which I
6 sustained a patient for over two hours using
7 cardiopulmonary resuscitation alone and
8 obviously they had adequate circulation because
9 the patient awoke and left the hospital within a
10 short time after that. So I clearly think that
11 to say the end volume of 1500 occurred and if
12 anyone postulates that this injury was present,
13 then I would postulate that the 1500 represented
14 the ongoing bleeding through the entire period
15 of the resuscitation and that it was, you know,
16 that almost a de facto. There would be no
17 reason to think the 1500 bled at some point
18 prior to the patient's death, and then at T plus
19 one second no further bleeding would occur.

20 Q Well, what are you going to say with reasonable
21 medical probability? Are you going to say that
22 all the blood, some of the blood, none of the
23 blood, what are you going to say --

24 A I'm going to say I believe that the laceration
25 was as a result of the one and a half hour

1 period of chest compressions, because I just
2 can't believe this patient who up to that night
3 had been alert, oriented, without any drugs, who
4 had undergone multiple examinations by multiple
5 observers and failed at any point to complain of
6 any abdominal pain, who complained of right
7 posterior chest pain, and then specifically
8 denied symptoms that would be suggestive of
9 abdominal process, who had an excellent urine
10 output until the moment he was delivered down to
11 the operating room, which would suggest a very
12 adequate circulating volume, I'm not -- I
13 believe that this was the result of the probably
14 over 2,000 compressions that were done on this
15 patient's sternum and lower anterior chest by
16 multitude of different people performing CPR and
17 given the fact that I've seen and witnessed a
18 number of anterior chest wall injuries that have
19 occurred by CPR.

20 Q Any other injuries that you've seen?

21 A Not that I've seen.

22 Q But --

23 A But typically those patients don't undergo an
24 autopsy, so I don't know what their liver
25 injuries might have been present.

1 Q What about the location of this liver injury. is
2 it consistent with compressions in
3 resuscitation?

4 A I believe so, because it occurred on the
5 anterior aspect of the liver and it occurred at
6 the base of a ligament that attaches the liver
7 to the anterior abdominal wall And if
8 compressions had been off by a relatively small
9 amount of distance that -- that would have been
10 the area of the liver that would have been
11 impacted by the resuscitative efforts

12 Q Give me one minute. Doctor
13 would you expect there to be indication
14 that -- evidence on the patient's body of his
15 may 200 -- I know you're just guessing. but 200
16 compressions --

17 MS HENRY: 2.000.

18 MR LANSDOWNE: 2.000? Is that
19 what he said?

20 Q -- 2.000 compressions, would you expect him to
21 have bruising?

22 A I think if it occurred in a -- repeatedly in one
23 area. there might very well be bruising I
24 don't know. it depends on the you know. quality
25 of the patient's skin. whatever I think you

1 might perhaps ask people **who do** a lot of
2 postmortem whether or not they see compression
3 marks. I have certainly seen bruising on
4 patients even something as simple as a sternal
5 rub, which is an examination of a neurologic
6 status and that's much **less** compressive than
7 what would be done during **CPR**.

8 Q You don't perform autopsies, **do** you?

9 A Correct.

10 Q Do you participate in them?

11 A Yes. On occasion, I will go down and watch them
12 perform an autopsy on a patient of mine.

13 Q Just observe it?

14 A I observe and will interact with the pathologist
15 during his performance.

16 Q I just want to make sure I've got all your
17 opinions, Doctor, here that you're going to come
18 in and testify about.

19 You testified that Dr. Ghanma met the
20 standard of care in the areas that you overlap
21 with, or in terms of his care of this patient,
22 correct?

23 MR. TRAVIS: I'll object to
24 the attempt to the extent you're attempting to
25 summarize the testimony for the last several

1 hours, but do your best.

2 A That is correct.

3 Q And you're going to testify that probably Mr.
4 Porter died from a pulmonary embolus that lodged
5 somewhere, but you don't know where, at around
6 10:00 a.m., correct?

7 MR. TRAVIS: I don't think
8 that was his precise testimony, but you can
9 answer.

10 Q If that's not, correct me, please.

11 A I think he did have an embolic event at 10:00.
12 He had a second embolic event, which is not
13 atypical of patients who are emboli -- or in
14 other words the thrombus typically, classically
15 originated in the deep venous system of the
16 lower extremities or occasionally the pelvis
17 when they embolize and they often do it on
18 several episodes, so I am -- I think it is
19 accurate to say that I believe a pulmonary
20 thromboembolism was a very likely cause of this
21 patient's ultimate demise.

22 Q First embolus lodged somewhere and you're not --
23 you can't say where, but somewhere at around
24 10:00 and then there was a second embolism?

25 MS. HENRY: Objection,

1 Q The second embolic event, I'm not sure we
2 covered that.

3 MR. TRAVIS: Objection to the
4 compound question, but answer.

5 A I think on my review of the chart, that's a very
6 possible explanation of what occurred. And I
7 would have to say that my interpretation is that
8 an initial embolic event occurred at 10:00, that
9 due to the efforts **of** the anesthesiologist and
10 the patient's own compensatory mechanisms was
11 able to tolerate this extreme event, but was
12 able to do so only on a marginal level. And
13 then when the second embolism occurs, which is
14 not at all unusual, which **is** often visualized by
15 us, which **is** what the whole thrust of our
16 subsequent therapy is on patients who had a
17 thrombotic event **is** not to treat the initial
18 event, but to prevent a recurrence, I would say
19 that that recurrence unfortunately in this man
20 occurred at the time of his arrest, which would
21 have been the latter part **of** that first half
22 hour.

23 Q Sometime around 10:25, 10:28, something like
24 that?

25 A From what I see in the record, that would be a

1 good estimate.

2 Q He had a second embolus, where did it lodge?

3 A I think it probably lodged either immediately
4 behind the first clot or in the other portion of
5 the major pulmonary outflow tract, pulmonary
6 artery since there are two lungs and two
7 branches to the major pulmonary outflow tract.
8 And the first embolus may have occluded one of
9 the two major pulmonary outflow tracts and the
10 second one essentially rendered the patient
11 without any pulmonary blood flow from the heart.

12 Q Right.

13 A That's incompatible with life.

14 Q As far as that -- the location, I think we
15 talked about before, you really -- that's just
16 speculation?

17 A In this particular case, although that is the
18 classic finding --

19 Q Um-hum.

20 A -- on patients who survive to the point of
21 angiographies, we've done an angiogram to
22 confirm where the location of the clot is for a
23 devastating cardiac arrest producing
24 thromboembolism. Typically it occurs in the
25 major pulmonary outflow tract.

1 Q And these clots we talked about were lodged, how
2 large would they have to be, like the tip of
3 your finger?

4 A No, I think -- you know, I can't speculate. I'm
5 sure there's a wide degree of variability. I'm
6 sure if you ask the pathologist they can refer
7 to their literature, but the pulmonary artery is
8 probably in the ballpark of the size of your
9 thumb, so anything -- a size in that range. But
10 there are many textbooks which shows pictures of
11 lethal pulmonary emboli. Some are extremely
12 dramatic, some of them are substantial but not
13 all that overwhelming. It's an absolutely key
14 part of the cardiac system and if that is
15 blocked off, the heart is essentially blocking
16 against a total occlusion.

17 MR. LANSLOWNE: Okay. That's
18 all the questions I have. These other people
19 may have some.

20 - - - - -

21 (Recess taken.)

22 - - - - -

23 BY MR. TREU:

24 Q Doctor, I have a few questions for you. I
25 represent the hospital.

1 And let me ask you this: You testified
2 that you are qualified to testify about the
3 types of things that Dr. Shapiro testified in
4 this case. The two of you are qualified in the
5 same areas; is that correct?

6 A I think we have the same general qualifications
7 I'm sure he has expertise and vice versa

8 Q Can you tell me. Do you believe that Dr. Murphy,
9 Dr. Evans and the people who took care of this
10 patient in the emergency department met the
11 accepted standard of care?

12 A From review of the records it appears to be so
13 Q Based on the history and examinations that were
14 performed of this patient in the emergency

15 department, do you believe that it was necessary
16 to perform any types of scans of the abdomen
17 during the time this patient was in the
18 emergency department?

19 A No, I don't

20 Q What signs and symptoms would you expect to see
21 in a patient with a liver laceration of the
22 nature that was found at this autopsy? If it
23 were ongoing from the time of the boating
24 accident. For example. to the time he was in the
25 hospital.

- 1 A I would expect the patient to have some sort of
2 complaints at that time, but that's not
3 necessarily always the case. And I think that
4 is the point of serial examinations and what we
5 earlier termed tertiary survey, and I think that
6 that was actually the point of the presentation
7 that I gave in the past that repeated
8 examination should be.
- 9 Q We know from the nursing notes there were serial
10 nursing examinations **of** the abdomen?
- 11 A That's correct.
- 12 Q And at least Dr. Murphy documents an abdominal
13 examination, correct?
- 14 A That's the documented exam and Dr. Ghanma's
15 testimony states he performed the examination as
16 well.
- 17 Q On more than one occasion?
- 18 A Correct.
- 19 Q Correct. Was there anything about this
20 patient's history upon presentation to the
21 emergency department, either by information from
22 the patient, paramedics, the family or anyone
23 else, **or** his presenting complaints, that
24 required this patient to be transferred to a
25 different institution in your mind?

1 A I don't believe so, from what I've been able to
2 discern from the medical record

3 Q Do you have any criticisms of the hospital
4 itself in this case?

5 A No, I don't

6 Q Based on your review of these records, had the
7 been a trauma surgeon at St. Joe's at the time
8 this person presented to the emergency

9 department and this patient had been seen by a
10 trauma surgeon in the emergency department, do
11 you believe that this patient would -- based on
12 everything you've seen, more likely than not
13 been referred to a specialist in the area of
14 orthopedics like Dr. Hanna or been followed by
15 the trauma surgeon?

16 A I think either are possibilities, depending upon
17 what the local custom is but is the hospital
18 actually employed a trauma surgeon or had a
19 trauma surgeon on staff, his expertise in
20 trauma, I would assume that he or she would have
21 probably been utilized

22 Q I think you testified that only five to ten
23 percent of the lower extremities that are
24 diagnosed in your practice are treated
25 surgically?

1 A I think that's accurate.

2 Q Okay. Just assuming for a minute that there was
3 a liver laceration of the nature described at
4 autopsy in this patient at the time of
5 presentation to the hospital from the boating
6 accident and had been recognized at that time,
7 do you believe that this would have required
8 surgical repair or that the treatment would
9 not --

10 A That would be determined by the subsequent
11 course, but on the face --

12 Q Based on everything you saw.

13 A Based on what I saw in the coroner's report,
14 more likely than not this would have been a
15 liver injury that would have been amenable to
16 nonoperative medicine.

17 Q Is a large clot on the right side of the heart,
18 as found during the echocardiogram during the
19 resuscitation in this case, a finding from a
20 pulmonary embolism?

21 A It is certainly a finding in part with that.

22 Q Do you have any opinion as to what the -- what
23 might have caused the two pulmonary emboli that
24 occurred during this patient's operation in
25 terms of mechanism?

1 A Well, classically that involved some sort of
2 change in the pressure of the venous system
3 which the embolism or the thrombus has
4 developed, and I think the fact that the leg was
5 being manipulated or had been manipulated,
6 particularly the circumstances in which the leg
7 is being dressed with packing of dressing as
8 well as the application of clean bandage, would
9 certainly lend itself to the classic scenario to
10 a thrombus being dislodged and become a
11 thromboemboli.

12 Q And earlier in your testimony, you were asked
13 about some publications. I believe you were
14 asked as to whether they were respected or --

15 MS. HENRY: Reliable.

16 Q -- reliable. Are any of those texts or
17 publications that you referred to in your mind
18 authoritative?

19 A I think that they're excellent sources of
20 information. I think they're excellent tools
21 for education. But I don't think any textbook
22 can be labeled de facto authoritative word for
23 word and sentence for sentence.

24 Q You don't have any criticism of the nursing care
25 in this case, do you?

1 A No, I do not.

2 MR. TREU: Thank you.

3 That's all I have.

4 BY MR. LANSDOWNZ:

5 Q Doctor, just as I asked you about this and Chris
6 asked you about the literature and referring
7 again to Dr. Trunkey's book in his section of
8 the book on liver injury, it says that the liver
9 is the most commonly injured organ with blunt
10 abdominal trauma with an incident rate at 30
11 percent to 40 percent, do you see that? I just
12 want you to know, I asked you literature in my
13 question.

14 A Well, thank you. And I can tell you that you
15 can ask that question of many trauma surgeons
16 and they would say of all the patients that are
17 admitted in the blunt portion of their trauma
18 registry, whether or not they believe that 30 to
19 40 percent of those people have a trauma have a
20 liver injury entered in that code and I would be
21 very certain of the answer.

22 Q You don't think that the figures are right or
23 you just think they don't get recorded?

24 A I think this is a classic example of a very
25 respected surgeon looking at a very select group

1 of patients, that Dr. Trunkey has always served
2 at very large trauma centers where the most
3 difficult of all cases are going to be referred.
4 I think that skews your number because many of
5 the patients are basically those of the most
6 difficult are being referred from large
7 hospitals. In fact, my hospital in Youngstown
8 used to refer difficult cases down to the
9 University of Pittsburgh or Cleveland Metro by
10 the fact that you were a Level 1 trauma center
11 because of their additional expertise. So Dr.
12 Falle or Dr. Pittsman at the University of
13 Pittsburgh would have a greater numerator. But
14 that is as you say estimated.

15 Q All right.

16 A And far, far above that that I think anyone else
17 is experienced would generally support.

18 Q And as far as it -- the liver being the most
19 commonly injured in blunt abdominal trauma, your
20 experience is it's either the liver or the
21 spleen?

22 A I think the liver with additional imaging has
23 been recognized as probably the first and the
24 spleen is just behind that.

25 MR. LANSLOWNE: Okay. That's

all I have. Thank you very **much**.

(Deposition concluded at 12:22 p.m.)

- - - - -

THE STATE OF OHIO,)
COUNTY OF CUYAHOGA.)

SS:

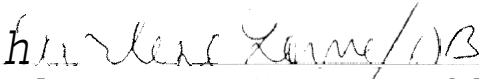
CERTIFICATE

I, Darlene Lowe, a Notary Public within and for the State of Ohio, duly commissioned and qualified, do hereby certify that the within-named witness, Dr. Clyde McAuley, 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 8th day of June, 1999.



Da'rlene Lowe, Notary Public
within and for the State of Ohio
My Commission expires March 25, 2002.

THE STATE OF _____)
)
 COUNTY OF _____) SS:

Before me, a Notary Public in and for said state and county, personally appeared the above-named Dr. Clyde McAuley, who acknowledged that he did sign the foregoing transcript and that the same is a true and correct transcript of the testimony so given.

IN TESTIMONY WHEREOF, I have hereunto affixed my name and official seal at _____, this _____ day of _____, 1999.

 Dr. Clyde McAuley

 Notary Public

My Commission expires: _____

**ST. ELIZABETH**
HEALTH CENTER

July 1, 1997

Donald H. Switzer
Jacobson, Maynard, Tuschman & Kalur
Attorneys at Law
1001 Lakeside Avenue, Suite 1600
Cleveland, Ohio 44114-1192

RE: Hubert Porter, Etc. v. Manhal A. Ghanma, M.D., et al.
brain County Common Pleas Court, Case No. 96 CV 115689
Your File No. 101844

Dear Mr. Switzer:

I have reviewed the medical records of Bradley Porter during his hospitalization at Lorain Community/St. Joseph Regional Health Center from July 13-15, 1995, as well as the depositions of Drs. Qhansah, Ghanma, Onyekwere and Salka.

I believe that the medical care provided to Mr. Bradley Porter by Dr. Ghanma was appropriate in all respects and conformed to accepted standards of care. I find no evidence in the medical record to support the supposition that an intraabdominal injury had occurred during Mr. Porter's boating accident and I disagree with Dr. Matus' conclusion as to the cause of death.

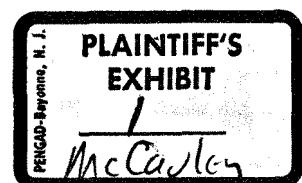
I look forward to assisting you on this case. Should further information become available, please forward it to my office. Please contact me should you have any questions.

Sincerely,

CLYDE E. McAULEY, M.D. F.A.C.S.
Director, Trauma/Critical Care Services

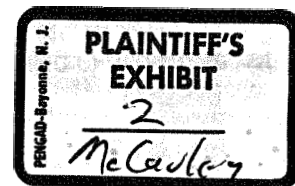
1044 Belmont Avenue / P.O. Box 1790 / Youngstown, OH 44501-1790 / (330) 746-7211

MEMBER OF THE HUMILITY OF MARY HEALTH CARE SYSTEM



Clyde E. McAuley
303-50-1506

CURRICULUM VITAE



NAME Clyde E McAuley

HOME ADDRESS: 1063 Eldersville Road
Burgettstown, PA 15021

HOME PHONE: (412)947-9030

BUSINESS ADDRESS: Trauma/Critical Care Services
St. Elizabeth Health Center
1044 Belmont Avenue
Youngstown, Ohio 44501-1790

BUSINESS PHONE: (216) 480-3907 FAX: (216) 480-2070

DATE OF BIRTH: February 12, 1953

BIRTH PLACE: Fort Jackson, SC

CITIZENSHIP: U.S.A.

EDUCATION AND TRAINING

UNDERGRADUATE:

1971 - 1975	Harvard College Cambridge, Massachusetts	B.A., 1975 (magna cum laude)
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GRADUATE:

1975 - 1979	University of Pittsburgh School of Medicine Pittsburgh, Pennsylvania	M.D., 1979
1993 - 1995	University of Pittsburgh Katz School of Business Pittsburgh, Pennsylvania Masters in Business Administration	MBA, 1995

Clyde E. McAuley
303-50-1506

POSTGRADUATE:

1979 - 1980	University of Pittsburgh University Health Center of Pittsburgh General Surgery Internship	Henry T. Bahnson, M.D. Professor and Chairman Department of Surgery
1980 - 1985	University of Pittsburgh University Health Center of Pittsburgh General Surgery Residency	Henry T. Bahnson, M.D. Professor and Chairman Department of Surgery
1985 - 1986	University of Pittsburgh University Health Center of Pittsburgh Chief Administrative Resident and instructor in Surgery	Henry T. Bahnson, M.D. Professor and Chairman Department of Surgery

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

1995 - Present	Western Trauma Association
1992 - Present	American College of Surgeons, Ohio Chapter
1992 - Present	Northeastern Ohio Society of Critical Care Medicine
1991 - Present	Association for Emergency and Disaster Medicine
1990 - Present	Eastern Association for the Surgery of Trauma
1993 - Present	American Trauma Society
1990 - Present	Pittsburgh Surgical Society
1990 - Present	Society of Critical Care Medicine
1989 - Present	American College of Surgeons, Southwestern Pennsylvania Chapter
1989 - Present	Southwestern Surgical Congress
1986 - Present	Society of Air Force Clinical Surgeons
1987 - 1989	San Antonio Surgical Society

Clyde E. McAuley
303-50-1506

CERTIFICATION AND LICENSURE

Board Certification	Diplomate, American Board of Surgery	#33128, 1988
	Certification of Added Qualifications in Surgical Critical Care	#592, 1491
Ohio	Licensing Board:	35-06-2484, 1991
Pennsylvania	Licensing Board:	MD-024531-E, 1980

PROFESSIONAL ACTIVITIES

1991 - Present	Director, Trauma/Critical Care Services St Elizabeth Health Center 1044 Belmont Avenue Youngstown, Ohio 44501-1790
1984 - 1991	Faculty Surgeon, Division of Trauma and General Surgery The Mercy Hospital of Pittsburgh Pittsburgh, PA 15219
1987 - 1989	Staff Surgeon, General & Oncological Surgical Service Wilford Hall USAF Medical Center
1987 - 1989	Deputy Director, Surgical Intensive Care Unit Wilford Hall USAF Medical Center
1986 - 1988	Chief, Trauma & Emergency Surgical Services Wilford Hall USAF Medical Center
1985 - 1986	Chief Administrative Resident, Department of Surgery Presbyterian-University Hospital

Clyde E. McAuley
303-50-1506

APPOINTMENTS

HOSPITAL COMMITTEES:

ST. ELIZABETH HEALTH CENTER

1991 - Present	Chairman, Trauma Systems Committee
1991 - Present	Chairman, Surgical intensive Care Committee
1992 - Present	Surgical Education Council
1992 - Present	Infection Control Committee
1992 - Present	Emergency Department Committee
1992 - Present	Chairman, Institutional Ethics Committee
1993 - Present	Chairman, Medical Records Committee
1993 - Present	Medical Intensive Care Committee

AMERICAN COLLEGE OF SURGEONS

1995 - Present	Vice Chairman, ACS Committee on Trauma (Ohio)
1991 - Present	Executive Committee, Ohio Committee on Trauma
1986 - Present	Instructor, Advanced Trauma Life Support

Clyde E. McAuley
303-50-1506

STATE OF OHIO REGIONAL EMS/TRAUMA SYSTEMS

- 1995 - Present Trauma **Advisory** Subcommittee, Emergency **Medcial**
Services Board
- 1995 - Present Regional Physician Advisory Board (**Region X**), Ohio **State**
Board of Emergency **Medical** Services
- 1994 - Present Chairman, **Trauma** Quality of Care Subcommittee to the
Director of the Ohio **Department** of **Health**

NATIONAL COMMITTEES

- 1996 - Present Eastern **Association** for the Surgery of Trauma,
Publications Committee

ACADEMIC APPOINTMENTS

- 994 - Present Associate Professor of Surgery
Northeastern Ohio Universities College of Medicine
- 1989 - Present Clinical Assistant **Professor** of Surgery
Uniformed Services University of the Health Sciences

PUBLICATIONS

Sherman HF, Hilger **JS**, Jones LM, **McAuley** CE, Barrette RR. "Delayed Diagnosis of Extrahepatic Biliary injury". Eur J Surg, 158:575-578, 1992.

Webster MW, McAuley **CE**, Steed DL, **Evans** CH. "Collagen **Stability** and Collagenolytic Activity in the Normal and Aneurysmal Human Abdominal **Aorta**", The American Journal of Surgery, 161:635-638, 1991.

Clyde E. McAuley
303-50-1506

Rodriguez DI, Drehner DM, Beck DE, McAuley CE. "Colonic Lipoma as a Source of Massive Hemorrhage", **Diseases of the Colon & Rectum**, 33:977-979, 1990.

Bowers GJ, Roettger R, McAuley CE, and Beck DE. "Breast Cancer: The Military's Experience", **Southern Medical Journal**, 83:1413-1417, 1990.

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