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IN THE COURT OF COMMON PLEAS
OF CUYAHOGA COUNTY, OHIO

- - - - -

NORMAN BISLER, ET AL.,
Plaintiffs,

vs.

Case No.

THE CLEVELAND CLINIC
FOUNDATION,

324655

Defendant.

- - - - -

DEPOSITION OF HAROLD MARS, M.D.

Wednesday, September 2, 1998

- - - - -

Deposition of HAROLD MARS, M.D., a
Witness herein, called by the Defendant for
examination under the statute, taken before me,
Karen M. Patterson, a Registered Professional
Reporter and Notary Public in and for the State
of Ohio, pursuant to notice and stipulations of
counsel, at the offices of Harold Mars, M.D.,
3609 Park East Drive, Beachwood, Ohio, on
Wednesday, September 2, 1998, at 4:00 o'clock
p.m.

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APPEARANCES:

On behalf of the Plaintiffs:

Caravona & Czack PLL-, by
MICHAEL W. CZACK, ESQ.
1900 Terminal Tower
Cleveland, Ohio 44114
(216) 696-6500

On behalf of the Defendant:

Arter & Hadden, by
VICTORIA L. VANCE, ESQ.
1100 Huntington Building
Cleveland, Ohio 44115
(216) 696-1100

1 **HAROLD MARS, M.D.**, of lawful age, called
2 for examination, as provided by the Ohio Rules of
3 Civil Procedure, being by me first duly sworn, as
4 hereinafter certified, deposed and said as
5 follows:

6 EXAMINATION **OF** HAROLD MARS, M.D.

7 BY MS. VANCE:

8 Q. Dr. Mars, as you know, my name is
9 Vicky Vance, I'm representing The Cleveland
10 Clinic in this matter, an action filed by your
11 patient, Norman Bisler. We're here today to take
12 your discovery deposition prior to trial, and we
13 coordinated the deposition through Mr. Czack's
14 office.

15 I was instructed and informed that
16 for purposes of the discovery deposition, you
17 would require a deposit in terms of a prepayment
18 of your deposition fee in the amount of \$500. So
19 let me hand that to you now. It's a firm check
20 in that amount.

21 A. If it is under this amount, certainly
22 there will be reimbursement.

23 Q. It's my understanding your hourly
24 charge for the deposition would be \$325 per
25 hour?

1 A. Correct.

2 Q. Doctor, what is the area **of** your

3 medical specialty?

4 A. I'm a neurologist.

5 Q. **Do** you specialize or concentrate your

6 practice in any particular area or field of

7 neurology?

8 A. I'm a general neurologist, see a very

9 large variety of cases. I do have a specific

10 area **of** interest, and that is in movement

11 disorders.

12 Q. What is movement disorders?

13 A. Those are a group of diseases that

14 have to do with alteration in mobility,

15 characterized by -- I'll give you the names of

16 the few diseases, perhaps that will be the best

17 way, but these would be diseases that encompass

18 Parkinson's disease, Huntington's disease,

19 dystonias, choreas, movement disorders, tics, as

20 such.

21 Q. How much of your patient practice is

22 devoted to patients who are under your care for

23 movement disorders as distinguished from other

24 neurological considerations?

25 A. Perhaps ten to 15 percent.

1 Q. The balance **of** your practice being a
2 variety of general neurological conditions?

3 A. Yes.

4 Q. You're board certified in neurology?

5 A. I have fellowship through the Royal
6 College of Physicians and Surgeons of Canada,
7 which gives me automatic reciprocity in the
8 United States.

9 Q. Are you board certified in any other
10 medical specialty here in the United States?

11 A. I'm board eligible in internal
12 medicine.

13 Q. Ever take those boards?

14 A. No.

15 Q. Where did you receive your medical
16 school training?

17 A. McGill University, Montreal, Canada.

18 Q. Did you do your residency training in
19 Canada?

20 A. In part. I did a -- after
21 graduation, I did an internship, I did one year
22 of general surgery residency, a year of residency
23 in internal medicine, all at University Hospitals
24 in Montreal. I then did a second year of
25 residency in internal medicine, and three years

1 residency in neurology at The Cleveland Clinic.

2 After that, I returned to Montreal
3 and I did a further three years of fellowship at
4 the Montreal Neurological Institute.

5 So then I -- in that interim, I
6 obtained what I referred to as fellowship level
7 certification. There are two levels of
8 certification in Canada. One is a fellowship,
9 which is the highest level, and the second is
10 certification of the specialty.

11 Q. Is part of your training in general
12 surgery? Was that just one year in general
13 surgery?

14 A. Yes.

15 Q. What year was that?

16 A. Oh, goodness, 1961. 1962 I
17 discovered that I was bored in the operating room
18 and realized that if I was bored in the operating
19 room, I would be a terrible surgeon, and I
20 discovered then that my interest was more in the
21 diagnosis, the more intellectual challenges.

22 Q. I take it then that in your practice
23 of neurology, you do not practice in an operating
24 room setting?

25 A. No

1 Q. That is correct?

2 A. That's correct.

3 Q. Have you ever practiced as an
4 anesthesiologist?

5 A. No.

6 Q. I take it, given your background,
7 that you are not trained in cardiothoracic
8 surgery?

9 A. Correct.

10 Q. Nor are you trained in cardiothoracic
11 anesthesiology?

12 A. That is correct.

13 Q. Ever practice as a CRNA, certified
14 registered nurse anesthetist?

15 A. No.

16 Q. You have never performed heart
17 surgery?

18 A. No.

19 Q. Bypass surgery?

20 A. No.

21 Q. Redo bypass surgery?

22 A. No.

23 Q. Have you ever observed a case of
24 bypass surgery?

25 A. Many years ago.

1 Q. From start to finish?
2 A. Probably.
3 Q. Back when you were in your general
4 surgery --
5 A. Way back when.
6 Q. -- year?
7 A. Yeah. That's when they were starting
8 to do those procedures when I was a resident at
9 the Clinic, and during my time there, I'm sure I
10 had seen one or two cases of it.
11 Q. But we're going back into the --
12 A. We're going way back.
13 Q. Way back?
14 A. Into the 60s, yes.
15 Q. Do you claim to have any expertise in
16 proper positioning of patients for bypass
17 surgery?
18 A. No.
19 Q. You did have occasion to care for and
20 evaluate Mr. Bisler; is that correct?
21 A. Yes.
22 Q. According to the chart that I've
23 seen, and I did take a look at your original
24 chart here a moment ago, it appears you saw him
25 in your office about four times between May of 95

1 and September **of** 95; is that about right?

2 A. I saw him five times --

3 Q. Oh, okay.

4 A. -- between the dates **of** 5-24-95, and
5 the last time, **11-8-95**.

6 Q. Did you actually see him on **11-8-95**,
7 or was that just a --

8 A. I saw him that day. There was one
9 day, 6-30-95, where I made some comment regarding
10 a telephone conversation.

11 Q. Has your office billed the patient
12 for the services performed in this case?

13 A. I would suspect so. I would hope so

14 Q. Did you bill the patient or did you
15 bill his attorney?

16 A. That I don't know.

17 MR. CZACK: Objection.

18 Q. Was this patient referred to you by
19 Mr. Czack?

20 A. Yes.

21 MR. CZACK: Objection.

22 Q. On how many occasions has Mr. Czack
23 referred patients to your office?

24 MR. CZACK: Objection.

25 A. Oh, goodness, over the last ten

1 years, maybe three or four times.

2 Q. Any patients currently under your
3 care who were referred to you by Mr. Czack?

4 MR. CZACK: Objection.

5 A. At the moment, I'm not sure.

6 Q. Do other attorneys in Mr. Czack's
a office also refer patients to you?

8 MR. CZACK: Objection.

9 A. Yes.

10 Q. If I broaden the question to ask
11 other patients referred by his office over the
12 past ten years, what would that number be?

13 MR. CZACK: Note a continuing
14 objection.

15 A. Over the past ten years -- obviously,
16 Mr. Caravona -- over the past ten years, I would
17 perceive maybe a total of 10, maybe 10, 12, no
18 more than that. One or so a year.

19 Q. For the purposes of your care and
20 treatment and evaluation of Mr. Bisler --

21 A. Yes.

22 Q. -- did you receive or review any
23 records from any outside physicians or
24 institutions?

25 A. At the time I saw him, no.

1 Q. So nothing else was reviewed during
2 the time that you were caring for this patient?

3 A. That is correct.

4 Q. During the time you were caring for
5 Mr. Bisler, did you make a request to any other
6 provider for records?

7 A. I have nothing that indicates that I
8 did.

9 Q. Let me first ask you: Do you have a
10 memory of seeing and treating Mr. Bisler in your
11 office?

12 A. Specifically, no.

13 Q. Do you have any recollection that Mr.
14 Bisler brought with him for your review any
15 records or materials from outside providers?

16 A. No. If he had, I would have
17 photocopied them and included them in the chart
18 or have made reference to them.

19 Q. Do you have a recollection of
20 speaking with any of Mr. Bisler's other doctors
21 or providers with respect to his care during the
22 time that you were caring for him?

23 A. No. I did fax some information over
24 to a Dr. Frederick Schnell.

25 Q. Those are some lab reports or lab

1 results?

2 A. Yes, I think **so**.

3 Q. Did you ever talk to Dr. Schnell, as
4 **best you can recall?**

5 A. No.

6 Q. Ever talk to any doctors from the
7 Clinic?

8 A. No.

9 Q. At any time since November of 95,
10 since you stopped treating this patient actively,
11 have you received or reviewed any materials about
12 Mr. Bisler from any other providers?

13 A. Yes, I have.

14 Q. Can you tell me what you have
15 reviewed?

16 A. I was shown the defense medical
17 today.

18 Q. Can you be more specific what you're
19 referring to as the defense medical?

20 MR. CZACK: Dr. Stanley's report.

21 A. There was a report from an
22 anesthesiologist regarding Mr. Bisler that I
23 looked at.

24 Q. Other than reviewing **Dr.** Stanley's
25 report, have you been provided with anything

1 else?

2 THE WITNESS: Is it Dr. Stanley?

3 MR. CZACK: Yes.

4 Q. Do you know Dr. Stanley?

5 A. No.

6 Q. Or know of him?

7 A. No.

8 Q. Have you made request for any other
9 materials to review at any time since taking on
10 this patient back in May of 95?

11 A. No.

12 Q. When you first saw the patient in May
13 of 95, did you take a history from him?

14 A. Yes.

15 Q. What history did you obtain?

16 A. Going back to the original hand
17 notes, that was on 5-28-95, and that occasion Mr.
18 Bisler was 65 years of age. He reported that he
19 had a variable increase in his blood pressure,
20 that he had experienced two myocardial
21 infarctions, one in 1965, the second in 1968.

22 He then underwent some bypass surgery
23 in 1979, and in 1992, this was repeated at the
24 Clinic.

25 He told me that after surgery, that

1 is, after the second surgical procedure, he noted
2 some pain in the back part of his skull. He
3 stated that his head was placed in some head
4 support at the time of the surgery. The pain,
5 though, in the area had persisted.

6 He had seen a Dr. Sweeney, this is
7 Dr. Pat Sweeney, who is a neurologist at the
8 Clinic, and he was told by him that he had a
9 pinched occipital nerve.

10 Mr. Bisler then told me that his
11 symptoms have persisted all this time up to when
12 I saw him, and that would be approximately three
13 years or so after the surgery. He had been
14 treated with niacin, which is a vitamin and a
15 blood vessel dilator, Carafate, that's for valve
16 problems.

17 He had been seen as well by the pain
18 management group at the Clinic, received some
19 nerve blocks to that area and stated to me these
20 were ineffectual. The pain persisted. He
21 described this as extending over the entire back
22 portion of the occipital area extending to the
23 crown portion of his head, and he described this
24 as a burning sensation.

25 I discussed some of the medications

1 that he may have been on, specifically some
2 anticonvulsant therapies such as Tegretol or
3 Klonopin. These have not been tried.

4 He had been treated with Zoloft,
5 which is an antidepressant, for a period of
6 time. That was stopped. And when I saw him, he
7 was receiving Pamelor, also an antidepressant,
8 which he said was of no benefit.

9 Mr. Bisler told me that he would
10 frequently awaken with a headache. He had been a
11 car salesman previously but now felt that he was
12 unable to work because of the pain. He denied
13 any double vision, loss of vision. He did have a
14 hearing loss and used a hearing aid. There was
15 no episodes of paralysis, but he did note that if
16 he stood up suddenly he would develop a little
17 lightheadedness, unsteadiness.

18 There were no bowel or bladder
19 problems that he was able to relate to me.

20 Q. That's the extent of the history you
21 obtained?

22 A. Yes.

23 Q. Did you obtain the history from the
24 patient --

25 A. Yes.

1 Q. -- or from any other family members?

2 A. No. This was from the patient.

3 Q. Do you recall if he did have family
4 members with him who contributed to this
5 conversation?

6 A. I normally would indicate if the wife
7 says something or if a brother or somebody says
8 something, There's no indication in my notes,

9 Q. Have you ever discussed this patient
P0 with Dr. Pat Sweeney?

11 A. No.

12 Q. Did you have Mr. Bisler fill out any
13 forms, questionnaires, inventories, anything
14 along those lines?

15 A. No. It's not something I normally
16 do. The only thing we have him fill out is the
17 initial registration.

18 Q. Do you know if Mr. Bisler obtained
19 any neurological treatment for these complaints
20 since seeing Dr. Pat Sweeney and before he saw
21 you?

22 A, You mean other neurologists?

23 Q. Yes.

24 A. Well, he saw three people that I know
25 for management of this. He saw Dr. Sweeney, he

1 saw me, and he saw pain management group at the
2 Clinic, but I don't have specific names here.
3 Thereafter, there's a fourth person he saw, and
4 that would be Dr. Schnell.

5 Q. What sort of doctor is Dr. Schnell?

6 A. I suspect that Dr. Schnell may be his
7 internist, but I'm not sure.

8 Q. Had you ever dealt with Dr. Schnell
9 before you have come to know him professionally?

10 A. No, I don't know him. I think I know
11 the name, but I don't know him.

12 Q. Do you know when Mr. Bisler saw the
13 pain management doctors at the Clinic in
14 relationship to when he was seeing Dr. Sweeney?

15 A. No. I suspect that he saw them after
16 he saw Dr. Sweeney.

17 Q. Do you have any sense of how much
18 time elapsed?

19 A. Not at all.

20 Q. You mentioned a couple of
21 medications. I just want to go to that page of
22 your notes. You said that he had been treated
23 with niacin.

24 A. Yes.

25 Q. Which is a vitamin, and --

1 A. Carafate.

2 Q. Carafate. Who prescribed those
3 medications?

4 A. I'm not sure.

5 Q. Were they prescribed for purposes
6 of --

7 A. It may have been Dr. Schnell. On the
8 initial sheet, I have listed Dr. Schnell, so I
9 would be presuming that those were prescribed to
10 him by Dr. Schnell, but I'm not sure of it.

11 Q. Do you know if they were prescribed
12 for purposes of dealing with these occipital
13 pains?

14 A. I doubt it.

15 Q. You doubt it?

16 A. Yeah.

17 Q. So when you have in your notes
18 treated with niacin and Carafate, that's not
19 specific for the --

20 A. No.

21 Q. -- head problem?

22 A. No, I wouldn't think so.

23 Q. You also mention further down on that
24 page that he had been treated with Zoloft --

25 A. Yes.

1 Q. -- and also Pamelor.

2 A. Yes.

3 Q. Both antidepressants?

4 A. Yes.

5 Q. Who prescribed those, if you know?

6 A. I have a notation, LMD, local medical
7 doctor. I would suspect that would be Dr.
8 Schnell again.

9 Q. Again, do you know if those were
10 prescribed for purposes of dealing with occipital
11 pain complaints?

12 A. It may have been. Antidepressants
13 are frequently used in pain management, and so
14 those medications may in fact have been
15 prescribed.

16 Q. But you don't know for sure?

17 A. No, I don't know for sure.

18 Q. Have you obtained any history from
19 the patient that he has a history of depression?

20 A. No.

21 Q. You indicate in your note that he had
22 been treated with Zoloft, and then it was
23 stopped. Did the patient stop taking it or did
24 the doctor DC it, or how did that happen, if you
25 know?

1 A. I don't. I can only infer.

2 Q. In terms *of* the Pamelor, was that
3 prescribed to replace the Zoloft *or* in lieu *of*
4 the Zoloft?

5 A. Yes, I would think so.

6 Q. Do you know what time period elapsed
7 between stopping the Zoloft and starting the
8 Pamelor?

9 A. No.

10 Q. Neither was of benefit for purposes
11 of the occipital complaints?

12 A. At the time I saw him, apparently he
13 was not having any benefit from these.

14 Q. He indicated to you that he had been
15 a car salesman but now he was unable to work?

16 A. Yes.

17 Q. Did he say why he was unable to
18 work?

19 A. Because of the pain, I would
20 presume. But, again, I don't have a specific
21 written down.

22 Q. Do you know if there were any other
23 health considerations Mr. Bisler had that
24 contributed to the decision to stop working?

25 A. No.

1 Q. You don't deny that there might be
2 other considerations?

3 A. No.

4 Q. You're just not aware of them?

5 A. That's correct.

6 Q. He told you that when he stands up
7 suddenly, he feels lightheadedness?

8 A. Yes.

9 Q. Did he tell you if he ever had that
10 kind of complaint before or in any other
11 circumstance?

12 A. No.

13 Q. Did he ever tell you that he had
14 episodes of lightheadedness before the second
15 surgery in 1992?

16 A. No, he did not.

17 Q. Did you ask him that?

18 A. Not specifically, no.

19 Q. In other words, I'm trying to find
20 out if he simply didn't comment on it, or if he
21 denied a prior history of the lightheadedness.

22 A. The lightheadedness that is noted
23 here was in response to specific questions that I
24 asked. So the lightheadedness was not something
25 he volunteered, but it's something that I was

1 able to elicit, but it doesn't surprise me that
2 someone would have some lightheadedness given the
3 history **of** hypertension, myocardial infarctions
4 and surgeries.

5 Q. Did you determine through your
6 questioning how often he experienced these
7 episodes of lightheadedness?

8 A. On a per day frequency, no, I did
9 not.

10 Q. Every time he stood up rapidly, did
11 he experience lightheadedness?

12 A. I can't answer that. What I can say
13 is there's a position component to this, but I
14 can't say to you whether this happened each time,
15 nor can I give you a grading as to its severity.

16 Q. Did you determine from Mr. Bisler if
17 he had a history of prior headaches prior to the
18 second surgery?

19 A. He didn't comment on that.

20 Q. Do you remember if you asked him
21 questions that would have elicited comments on
22 that subject?

23 A. There's nothing specific in my notes
24 on that.

25 Q. So you don't have information one way

1 or the other about that?

2 A. No. In terms of headaches antecedent
3 or pains antecedent to the surgery, no, I do not
4 have that information.

5 Q. Do you know if Mr. **Bisler** had had
6 prior neck complaints prior to the second
7 surgery?

8 A. No.

9 Q. Do you know if he ever had any
10 complaints about cervical spine problems?

11 A. No, I do not.

12 Q. Do you know if he had ever been
13 diagnosed with arthritis in his neck prior to the
14 second surgery?

15 A. No.

16 Q. When you first saw the patient then
17 on May 24, 1995 after taking the history, you did
18 perform an examination of the patient?

19 A. Yes, I did.

20 Q. According to your notes you have
21 recorded a blood pressure reading, and could you
22 also read what else you have written in terms of
23 your physical exam findings.

24 A. Well, there's some abbreviation that
25 occurs in my notes.

1 Q. Okay.

2 A. There is a notation that, as you
3 commented on, the **blood** pressure was **140** over 90,
4 which is acceptable; that he was alert times
5 four, that's to time, place, person,
6 circumstances. Then there's an arrow, and the
7 arrow indicates that on my routine examination,
8 certain parameters were looked at, and were found
9 to be normal.

10 Now, to recap what is included in all
11 of that would be an examination of cranial
12 nerves, an evaluation of the fundus, ocular
13 movements of the eye, ophthalmoscopic
14 examination, an examination of facial musculature
15 and movement, gag reflex, carotid pulsations,
16 bruits, whether they are present or absent,
17 reflexes in all four limbs in a variety of
18 sites. Muscle strength is determined again in
19 all four limbs in a variety of sites. Sensory
20 perception to pin and vibration, and then a
21 variety of coordination tests.

22 In addition to all of this, there are
23 certain parameters that one looks at or observes
24 even prior to the examination. This would
25 include gait, stance, level of consciousness,

1 speech impairment, speech awareness, utilization
2 of language, appropriate responses and so forth.

3 Q. Now, did you record in your notes the
4 findings **of** your physical exam in terms of the
5 cranial nerve testing, fundus exam, facial
6 musculatures and **all** of these other items *you*
7 described to us?

8 A. That is inherent in the arrow. If
9 there's an abnormality, then the abnormality is
10 written under the arrow.

11 Q. So it's not your practice to
12 specifically write out each and every finding
13 that you determine or arrive at in the course of
14 your exam?

15 A. Positive findings, yes; negative
16 findings, no. Since I have a set pattern for the
17 examination, that set pattern is followed in
18 every patient. It is then elaborated on if
19 abnormalities are detected.

20 So if I detect that there's, for
21 example, an area of sensory loss, then the exam
22 focuses a little bit more carefully on that, and
23 we, again, narrow in on that, but the basic
24 standard in neurological examination, as I said,
25 and I will not waste my time or anybody else's in

1 duplication of lengthy notes when they're all
2 normal.

3 Q. It sounds like you have a certain
4 pattern, habit, practice that *you follow* when you
5 do a neurological exam?

6 A. Sure. We all do. Everybody does,

7 Q. And you follow that customarily --

8 A. Yes.

9 Q. -- as part of your practice? And the
10 fact that it's not written down in detail
11 item-by-item doesn't suggest that you failed to
12 do the exam?

13 A. That is correct.

14 Q. You know your habits and customs and
15 practices in that regard?

16 A. That is correct.

17 Q. And it would be your expectation that
18 other neurologists, other physicians, also have
19 customary approaches that they may take in doing
20 their exam findings?

21 MR. CZACK: Objection.

22 A. I would think that any competent
23 neurologist or any competent physician has a
24 certain profile of exam, of what they examine,
25 and then would elaborate on that should there be

1 some abnormalities found.

2 Q. When you perform any of these
3 portions of this examination, do you use any
4 instrumentation, hammers?

5 A. Yes.

6 Q. Stethoscopes, fundusscopes, things of
7 that nature?

8 A. Yes.

9 Q. The fact that we don't see anything
P0 written down here about that equipment being
11 utilized, does that mean it wasn't utilized when
12 you performed your exam on Mr. Bisler?

13 A. Not at all.

14 Q. Again, is that because you have a
15 habit and custom as to how you perform these
16 exams?

17 A. That is correct.

18 Q. And you don't require that sort of
19 detailed itemization in order to tell you that's
20 how you did the exam in this case?

21 A. I know how I did the exam

22 Q. In terms of positive findings or
23 abnormalities, what, if anything, did you find
24 when you examined Mr. Bisler?

25 A. That he had a well healed scar from

1 the coronary artery bypass procedure, that's a
2 sternal scar. But relevant to his complaints,
3 there was an area of increased sensitivity to
4 touch and to pin in the right occipital area of
5 the skull.

6 Q. What does the term hyperparesthesia
7 mean?

8 A. Hyperparesthesia is a hyperesthesia,
9 increased sensitivity or a perversion of
10 sensation where it may seem to be increased
11 rather than decreased; increased irritability.

12 Q. In other words, a touching or
13 sensation to a patient with that problem, they
14 may react to something that others might not
15 react to?

16 A. No. It's a matter of magnitude of
17 response.

18 Q. Okay.

19 A. So that you will have -- if I touch
20 an individual in an area, they will feel it,
21 presumably. If they have a stroke, for example,
22 in that area, there may be an area of
23 hypoesthesia, or lack of sensation entirely.

24 But in many neuropathies, there is a
25 perversion of sensation. The sensory perception

1 of the individual of that stimulus is altered,
2 and often there are a variety of adjectives that
3 people will utilize to describe what is sometimes
4 very difficult for them to describe. They will
5 describe things like a burning feeling, a feeling
6 of warmth, a feeling of cold, a feeling of
7 increased sensitivity, a feeling of itchiness or
8 formication, as if worms are crawling under the
9 skin. These are all symptoms -- or words that
10 people will use to describe an area of altered
11 sensation.

12 Q. In Mr. Bisler's case, did you note
13 whether he used any particular phraseology?

14 A. The word I used was hyperesthesia,
15 which means increased sensitivity to the
16 stimulus.

17 Q. And is that what Mr. Bisler said to
18 you? I'm trying to find out if he used --

19 A. He didn't use the word hyperesthesia,
20 I wouldn't expect him to. I wouldn't expect him
21 to know what *res ipsa loquitor* meant, for that
22 matter.

23 But when I examined for sensation, I
24 asked whether one side feels the same as the
25 other, and in this instance, he reported that he

1 did not feel that the feelings elicited were the
2 same; they were different, and that the area on
3 the right back portion of the skull was
4 hypersensitive.

5 Q. You had told us that patients will
6 use different expressions in trying to
7 communicate.

8 A. They may. He didn't in this
9 instance.

10 Q. That's what I wanted to find out.
11 Did Mr. Bisler use any phrases?

12 A. No.

13 Q. Did he talk about warmth or worms or
14 burning or --

15 A. As a matter of fact, he did. He
16 did. If we go back to the pain over the entire
17 posterior, he felt pain over the entire back of
18 the head on both sides, and he used the term
19 burning sensation.

20 Q. Did he indicate to you that it was a
21 constant burning sensation, or periodic burning
22 sensation, or under what circumstances would he
23 feel the burning sensation?

24 A. No, he did not specifically.

25 Q. You don't know if it was constant or

1 periodic --

2 A. No.

3 Q. -- or only upon certain --

4 A. No.

5 Q. -- stimuli?

6 A. No. I know the pain has been
7 persistent, but whether it lasted two hours a day
8 or 24 hours a day or five seconds a day, that I
9 have no information on.

10 Q. The next portion of your handwritten
11 notes appears to be setting forth your
12 impression.

13 A. Yes.

14 Q. And what was the impression that you
15 recorded at the time of that visit?

16 A. That he had a post compressive
17 neuralgia of the right occipital nerve.

18 Q. What did you do, doctor, to arrive at
19 that impression?

20 A. That is a clinical impression that's
21 based upon the history that he gave me, plus the
22 finding of altered sensation in the distribution
23 of that particular nerve.

24 Q. And in terms of the altered
25 sensation, that's based on the finding that he

1 complained **of** an increased sensitivity to the
2 touch?

3 A. Yes.

4 Q. What exactly did you do to his head
5 in order to determine that he had an increased
6 sensitivity to touch?

7 A. I would use a sharp object, either a
8 pin or a caliper or a piece of sharp wood that I
9 broke and utilized. These are the things I
10 normally will use.

11 Q. In terms of touching around in an
12 area?

13 A. Touching around in an area, one side
14 to the other.

15 Q. Do you know now what particular
16 object you used? Do you have any recollection of
17 that?

18 A. No. I'll use any one of them, either
19 a piece of sharp wood or a caliper with one end
20 or a pin.

21 Q. And then as you're pressing or
22 touching, what are you asking the patient to tell
23 you?

24 A. I ask whether there's any difference
25 from one side to the other

1 Q. Besides the patient history and the
2 physical exam findings that you have detailed for
3 us, did you rely upon any other bases to form the
4 clinical impression that's noted in your chart on
5 May 24th?

6 A. On the initial visit?

7 Q. Correct.

8 A. Let me see when we did that test. I
9 don't believe so. There was a procedure that was
10 done, but that may have been later.

11 At the time that the impression was
12 written, that of a post compressive neuralgia, I
13 did not have any other procedures or any other
14 information.

15 Q. Did the physical exam findings
16 provide you with the information to form the
17 impression of the right occipital nerve
18 involvement?

19 A. Well, not just the physical
20 findings. The history was an important
21 component.

22 Q. Let me try to explain what I'm
23 getting at. You have in your impression post
24 compressive.

25 A. Yes

1 Q. How did you come to the diagnosis or
2 impression that it was a post compressive problem
3 with the nerve as opposed to any other etiology
4 involving that nerve?

5 A. All right. Reasonable question.
6 Again, a lot of it is inferential, and a lot of
7 it has to do with clinical experience, and in
8 this situation, we go back to the history. The
9 history was that his head was placed in some sort
10 of a head support for the surgical procedure,
11 that these symptoms developed subsequent to that.

12 Now, we've already established that I
13 have no expertise in anesthesia, nor in cardiac
14 or cardiothoracic surgery, but when an individual
15 is having an operative procedure such as this, he
16 has to lie somewhere, and he has to be supported
17 somehow, and in a coronary artery bypass
18 procedure, this is going to be supported for a
19 long period of time. Therefore, there must be
20 pressure exerted at various points of the body.
21 This is not an air mattress that is used to
22 support the individual; he's on a flat surface.
23 And with the development of the -- as part of the
24 procedure, he would have an endotracheal tube and
25 he would be receiving anesthesia, and typically

1 what's happened -- what is done is that there is
2 some extension of the head backwards to
3 facilitate the placement of an endotracheal tube
4 and maintenance of anesthesia. If it reflects
5 forward, one would have a lot of problems.

6 So my perception would be that the
7 head would be put back a little bit, that there
8 will have to, therefore, be some portion of the
9 back of the head resting upon something for a
10 period of hours.

11 The development of the pain that he
12 described developed subsequent to the surgery,
13 and so it is a reasonably logical conclusion that
14 the pain developed subsequent to prolonged
15 pressure at a certain point on the scalp through
16 which that particular nerve traversed.

17 Q. Do you know what sort of head support
18 item was used for this man's surgery?

19 A. Not specifically. Mr. Czack showed
20 me a donut sort of appliance, I guess you'd call
21 it.

22 Q. When were you shown that?

23 A. Today.

24 Q. Were you shown a picture of the donut
25 or the actual item?

1 A. **No.** I think that was the actual
2 thing, wasn't it? What that was was a circle,
3 foam, maybe about one inch thick or so, fairly
4 compressive, with a center portion cut out.

5 Q. Have you ever personally placed
6 patients in donuts of that nature or observed
7 them while they were so placed?

8 A. I'd have no reason to.

9 Q. **So** returning to my question as to how
10 you formed your impression of a post compression
11 neuropathy, you're relying upon the patient's
12 recitation of the events involved with the
13 surgery and his subsequent complaints of pain?

14 A. And the finding that there's an
15 alteration of sensation in an area that would
16 correspond to my perception of the area that
17 would be in contact with a hard surface during
18 the course of surgery.

19 Q. Now, was Mr. Bisler's head in contact
20 with a hard surface, or was it in contact with
21 this foam donut?

22 A. Maybe both. I don't know that.

23 Q. Assuming that this foam donut was
24 used, how would you explain how he could have
25 suffered a compression injury to the occipital

1 area of his head?

2 A. Well, for one thing, I don't know
3 whether **the** foam was adequate to lift his head
4 entirely off the operating table. I don't know
5 how much pressure was exerted by his head on the
6 foam. I mean, people -- even though you have a
7 piece of foam, there's still compression, you
8 still have constant pressure of the body at a
9 certain point. We know from clinical experience
10 that compressive neuropathies are often against
11 fairly soft-ish objects. If the pressure on a
12 nerve is at a certain point, it may result in a
13 neuropathy. I mean, there is a host of examples
14 that I can give you.

15 Q. Any involving the occipital nerve?

16 A. Anything that prolongs -- anything
17 with prolonged pressure on the occipital nerve
18 may result in a neuropathy. Wearing glasses, for
19 example, may also cause a neuropathy if the nerve
20 exits at an appropriate point where the support
21 for your glasses are.

22 Q. Limiting the discussion, though, to
23 occipital neuropathies, are you familiar with any
24 examples or --

25 A. I have seen occipital neuropathies in

1 the past, and it often occurs when individuals
2 have been lying for a prolonged period of time
3 with their heads in one location.

4 Q. You have been in private practice for
5 how many years, doctor?

6 A. Oh, goodness, private practice.
7 Before private practice I was a full time
8 academic.

9 Q. Okay.

10 A. So, I mean, you know --

11 Q. Since you completed your training in
12 neurology.

13 A. Well, all right, let's take it from
14 1967 when I completed the fellowship at the
15 Clinic. So we're talking --

16 Q. Roughly 30 years plus?

17 A. Yes, 30 years. Long.

18 Q. In the course of that 30 years'
19 experience, how many patients have you diagnosed
20 with having an occipital neuropathy?

21 A. Not -- it's not that common.

22 Q. The answer is none?

23 A. No. I didn't say that.

24 MR. CZACK: Objection.

25 A. I said it's not that common, and over

1 the past 30 years, I would estimate that I have
2 seen this maybe about three times, four times.

3 Q. Since it is a rare finding, did you
4 happen to write up any case reports or any
5 articles in the literature, anecdotal reports --

6 A. No.

7 Q. -- with respect to those three or
8 four?

9 A. Did I personally?

10 Q. Yes.

11 A. No.

12 Q. Do you know if those patients of
13 yours were the subject of any reports to the
14 literature?

15 A. No. I have not done a Medline
16 search, but I'll be happy to.

17 Q. I'm asking if those patients you had
18 were the subject of articles

19 A. No.

20 Q. Do you recall in those three or four
21 cases, and I assume that that does not include
22 Mr. Bisler --

23 A. That's correct.

24 Q. -- *of* those three or four, do you
25 have any recollection of what were the

1 circumstances that --

2 A. Yes.

3 Q. -- that led to the complaints in
4 those cases?

5 A. In one or two of them, this was
6 associated with a -- with an inflammatory
7 process, giant cell arteritis. In the other two
8 or three, and I'm not certain, we're really
9 talking about a long, long time now, that was
10 associated with a prolonged coma where people had
11 been unconscious for a period of a few hours.

12 Q. I'm sorry, you said --

13 A. Prolonged coma, loss of
14 consciousness.

15 Q. In those cases, were the patients in
16 comas for more than a matter of six or seven
17 hours?

18 A. No. That would be about the time,
19 four to six hours would be about --

20 Q. In those two or three other cases?

21 A. I can't recall specifically, but, you
22 know, anybody who is in a coma for more than 30
23 minutes is a reasonably prolonged coma

24 Q. You don't specifically recall if --

25 A. No. No. It would be a few hours, I

1 would suspect.

2 Q. Were these patients who had been in
3 comas **for** a matter of days **or** months or weeks
4 or --

5 A. No. Hours.

6 Q. -- that *you* happen to have treated
7 with that?

8 A. Hours.

9 Q. Did you say it was joint sell or
10 giant cell?

11 A. Giant.

12 Q. Based on everything you knew about
13 those other cases and the circumstances that
14 prompted or led to the development of the
15 neuropathies in those cases, did you make any
16 finding or judgment or impression that there had
17 been any negligence in the care of those
18 patients --

19 A. No.

20 Q. -- that led to their development of
21 an occipital nerve neuropathy?

22 A. No.

23 MR. CZACK: Objection.

24 Q. If I was to ask you, in your
25 experience, 30 some years, have you treated

1 patients or diagnosed patients with occipital
2 nerve compressions --

3 A. Yes.

4 Q. -- are we still talking about the
5 same population **of** patients?

6 A. Pretty much.

7 Q. **If I** use the phrase "occipital nerve
8 compressions," does that call to mind any other
9 patients --

10 A. No.

11 Q. -- than the three to four to five or
12 so that you have seen?

13 A. No.

14 Q. Are you aware of occipital nerve
15 compressions arising spontaneously or without any
16 known antecedent event?

17 A. No. That's an oxymoron. A
18 compression has to cause it. The term
19 compression implies compression, so there has to
20 be something that does that, whether it is a blow
21 to the head, whether it is wearing a cast that
22 comes up to the, you know, a hard cast to the
23 neck, whether it is an alcoholic who was
24 unconscious and is lying on a hard surface.
25 There has **to** be, you know, a compression to cause

1 a compression neuropathy.

2 Q. In the case of Mr. Bisler, where
3 along the occipital nerve did he suffer the point
4 of compression?

5 A. That I am unable to specifically
6 indicate for the simple reason that it's a very
7 difficult thing to determine. The area of
8 altered sensation would be at a point distal to
9 where the actual compression occurred, and that
10 will vary from individual to individual.

11 In Mr. Bisler, I would believe that
12 it is a branch of the occipital nerve, but that's
13 about as close as I can get to it. There's no
14 direct way of analyzing the function of the nerve
15 in that area. There are some ways one can look
16 at that, but not very easily.

17 Q. When you say he suffered a
18 compression of the occipital nerve, do you
19 distinguish in his case between the greater
20 occipital and lesser occipital nerve?

21 A. I would think that, based upon the
22 area that was involved, we're talking the greater
23 occipital nerve.

24 Q. Again, if I go back and ask you about
25 your years of practice, of the three to four to

1 five other cases **of** occipital neuropathies, did
2 any of those involve the greater occipital
3 nerve?

4 A. I can't recall. I can't recall at
5 this time.

6 Q. Given **Mr.** Bisler's symptoms, do I
7 understand that you can't be specific in saying
8 where along the length of the greater occipital
9 nerve did the actual point of compression occur?

10 A. No.

11 Q. Does the greater occipital nerve
12 trace its roots to C1-C2?

13 A. Yes, that's where it originates from,
14 the upper cervical spine.

15 Q. Is there any test that could be
16 performed to look at Mr. Bisler's greater
17 occipital nerve and determine the point at which
18 there was a compression? Is that anatomically
19 possible?

20 A. Since you're asking possibilities, I
21 would think that it's possible that if an MR scan
22 was done in that area with selection of windows
23 to try to pick up any inflammation within a
24 nerve, and then compare one side to the other,
25 then it is conceivable that there's a possibility

1 that that may be found, but you're really asking,
2 you know, a very difficult diagnostic question,
3 because you're dealing with a nerve that is not
4 readily approachable.

5 We're not obviously going to make a
6 cut in the person's skull or scalp to subject the
7 nerve to direct examination. That's the way you
8 would find out. Neither is it a nerve that --
9 that we **would** be able to access easily by
10 electromyography. And since we're talking about
11 sensory component of the nerve, it's not one that
12 has a muscle that you can stick an EMG needle
13 into and find out evidence for denervation.

14 Q. Given the anatomic limitations on the
15 structure that we're talking about here, are you,
16 therefore, reliant in large measure upon the
17 patient's subjective history and complaints and
18 their reaction to your testing in order to make
19 judgments and determinations about the extent and
20 nature of their injury?

21 A. That, and, in addition, we did
22 another test that supported that there was some
23 problem with sensory perception in that area.

24 Q. I'll get to that in a minute. I do
25 want to ask you for your thoughts on that.

1 Of these three or four other cases
2 that you have had in your practice, how long ago
3 was the last one you have had?

4 A. Oh, gosh, I told you this is not
5 something I see commonly. I think an orthopedic
6 surgeon who applies casts to the head may see it
7 more often than I do. I can't say. In the 30
8 years, three or four cases, and I don't have a
9 file.

10 Q. I take it then because of the lack of
11 a ready memory on these patients, it's not
12 someone who's been here in the last two, three,
13 four, five years?

14 A. Yeah. I don't think I've seen
15 another case in the last few years. No, I don't
16 think so, not for the last two or three years.
17 Five years ago I think I did see a case of an
18 occipital giant cell arteritis, but that I said
19 is a little different, although the symptoms may
20 be somewhat similar.

21 Q. Are you aware that patients can
22 develop occipital nerve neuropathies
23 spontaneously?

24 A. Oh, sure.

25 Q. And what would be the signs or

1 symptoms **of** a patient having an occipital nerve
2 neuropathy?

3 A. They may be identical.

4 Q. I'm sorry?

5 A. They may be identical.

6 Q. Is an occipital nerve neuropathy seen
7 in patients who have complaints of headaches or
8 migraines?

9 A. Generally not, no.

10 Q. Do patients who suffer from headaches
11 or migraines complain of pain in their occipital.
12 region?

13 A. They may, but the pain that they are
14 experiencing in that area has more to do with a
15 tightness, persistent tightness, of the
16 musculature in that area and is not associated
17 with a sensory deficit.

18 Q. You said that patients can have an
19 occipital nerve neuropathy occur spontaneously?

20 A. Yes.

21 Q. How does that happen?

22 A. Well, there may be a sudden infarct
23 of the nerve, and that is something that we may
24 see in a population of people who are
25 hypertensive, who are diabetic, who have a

1 vascular disease. That is then something that
2 would be termed a mononeuritis multiplex. That
3 **is** where a single nerve is targeted, or
4 affected. **In** individuals who have peripheral
5 neuropathies that are **of** a metabolic toxic
6 origin, those are symmetrical and generally would
7 not involve something like the occipital nerve.

8 **So** the one thing that comes to my
9 mind, I suspect there are others; yes, there
10 would be others, there would be neuropathies that
11 may develop as a consequence of certainly leprosy
12 and do all kinds **of** nasty things. Syphilis can
13 produce individual mononeuropathies. A tumor
14 growing along the course of the nerve can cause a
15 neuropathy. But there would be other symptoms
16 that would go along with all these things. So
17 then you're faced with a constellation of
18 positive findings, but also negative findings,
19 which would mitigate against specific diagnoses.

20 Let's be honest, leprosy is not a
21 common cause of neuropathy in the United States
22 of America

23 Q. Did I understand you to say that
24 patients who have perhaps hypertension or
25 diabetes can have spontaneous occipital nerve

1 neuropathy?

2 A. I would imagine that the -- yes. And
3 the reason I say that is individuals with
4 diabetes or hypertension or vascular disease are
5 more prone to the development of the condition
6 that I spoke of a little while ago, a
7 mononeuritis multiplex.

8 Q. Does Mr. Bisler have diabetes?

9 A. Yes.

10 Q. Does he have hypertension?

11 A. Yes.

12 Q. Does he have vascular disease?

13 A. Yes.

14 Q. Have you ever --

15 A. However, having said all that, the
16 question must still be put, why specifically this
17 nerve at this time.

18 Q. But didn't you indicate that patients
19 with those kinds of conditions can have a mono --

20 A. Mononeuritis multiplex. I also said
21 that this would be unusual, okay, because
22 mononeuritis multiplex actually tends to affect
23 the nerves in the frontal part of the head
24 generally more commonly around the eye, eye
25 movement.

1 **So** when we are talking about
2 possibilities, and I said yes, it's possible that
3 mononeuritis multiplex can develop, you know,
4 spontaneously affecting the occipital nerve, what
5 we didn't address is how often would this
6 happen. Could it happen? Sure. Is it a
7 probability? Much less so.

8 Q. Given the fact that we only have such
9 a relatively few number of cases of occipital
10 neuropathies?

11 A. I don't know what the number is. To
12 be very honest, it would have been -- Had I been
13 more aware this would have been your line of
14 questioning earlier today, I would have accessed
15 Paper Chase and gotten a printout of all the
16 cases of occipital neuropathies associated with a
17 variety of things.

18 Since this is a discovery deposition,
19 I can inform you that by the next time we meet, I
20 will in fact have done that.

21 Q. It sounds like we'll be taking
22 another discovery deposition prior to trial,
23 doctor.

24 A. It may be. The questions you're
25 asking are questions that I can't answer, but

1 that doesn't mean that the answers aren't there.
2 It's just that I have to access that information.

3 Q. Have you ever cared for patients who
4 have presented with complaints of neurologic
5 findings or problems following bypass surgery?

6 A. Yes.

7 Q. What kinds of, or range of,
8 neurological complaints or problems have you seen
9 of patients who have presented to you with a
10 history of recent bypass surgery?

11 A. By and large, these are individuals
12 who have experienced confusional episodes --
13 well, that one can attribute to a lack of
14 oxygenation or perfusion to the brain to
15 individuals who have developed a full hemispheric
16 infarct. Very rarely you can have individuals
17 who have catastrophic hemorrhages. If you're
18 going to include hemorrhages and small embolic
19 infarcts, the vast majority of neurologic
20 complications that you will see in association
21 with cardiopulmonary bypass surgery will be
22 secondary to infarction.

23 Q. Besides infarction, have you seen
24 reported, or perhaps have you, in your own
25 patient experience, seen patients with

1 neurological complaints that are not embolic or
2 ischemic --

3 A. Certainly.

4 Q. -- and yet still be somehow traced
5 back to bypass?

6 A. Sure. I've seen people with
7 neuropathies of a limb secondary to improperly
8 placed intravenous infusion material or
9 individuals who developed some neurologic
10 complications following a cardiac catheterization,
11 which is part of the entire process we've been
12 talking about.

13 Your specific question was what sort
14 of complications one normally sees. I'm telling
15 you the one that we normally see, and by far the
16 most common, will be infarct of one magnitude or
17 another.

18 Q. But it would be fair to say that
19 there is a range of spectrum of neurological
20 complaints that can be experienced simply by
21 patients who have gone through the experience of
22 bypass or artificial perfusion?

23 A. Yes. Yes. It's fairly common. The
24 numbers are anywhere from 35 to 45 or so percent,
25 far more than was initially anticipated.

1 Q. Let me **ask** you about the testing that
2 you did on Mr. Bisler.

3 A. Yes.

4 Q. I believe it's called a current
5 perception threshold evaluation.

6 A. Current perception threshold, yes.

7 Q. Taking you back to May **of** 95 when it
8 appears that this exam was performed --

9 A. Yes.

10 Q. -- at that point in time, for how
11 long had you been performing or applying this
12 type of test?

13 A. This test has been around for many,
14 many years in one form or another. 95, we had
15 been doing this test by that time for at least
16 eight years.

17 Q. Has it been known by other names, or
18 has it always been referred to as a current
19 perception threshold test?

20 A. **It's** sometimes known just as a CPT or
21 a -- it can be also known as a sensory
22 stimulation test. There are probably a whole
23 host of synonyms for this.

24 Q. Did you actually perform the test
25 yourself, or do you have a technician?

1 A. I have a technician. What I did was
2 I demarcated certain areas on the patient's
3 skull, and I marked them, and -- and that's what
4 I did. Then the technician applied the stimulus
5 at the area that I indicated.

6 Q. Did you actually mark Mr. Bisler's
7 head?

8 A. Yes.

9 Q. Or do you mark on a diagram?

10 A. I mark the head.

11 Q. How is the head prepared for the
12 test?

13 A. There's no preparation necessary.

14 Q. Do you have to shave the head or
15 anything like that?

16 A. No. No. What would be done is at
17 the time that particular location is being
18 examined, she would rub it with a somewhat
19 abrasive material.

20 Q. Across the hair or over the hair?

21 A. Over the hair, across the hair, in
22 between the hair, to the scalp.

23 Q. Are there electrodes of some type
24 placed?

25 A. Yes.

1 Q. How are they affixed to the scalp?

2 A. With glue.

3 Q. With glue?

4 A. Yes, with conductive gel.

5 Q. Do they stay on the patient's hair?

6 A. They stay on the scalp. They're
7 applied to the scalp, not to the hair.

8 Q. How long does the test take to
9 perform, or how long did it take in Mr. Bisler's
10 case?

11 A. I can't tell you specifically. A
12 test like this would take maybe about 20 minutes
13 to do from start to finish.

14 Q. Does the technician have any sort of
15 a worksheet or paperwork upon which he or she
16 records the results? All I see in your chart is
17 your final copy of the report.

18 A. Yeah, and there is a sheet somewhere;
19 it's usually filed out in 1995. It isn't on
20 premise. It's in some vault.

21 Q. Is it still retained, or might it
22 have been discarded?

23 A. I suspect we can recapture it.

24 Q. Is the technician --

25 A. But the numbers are just taken

1 directly from one onto the other.

2 Q. The exam is, in this case, is number
3 95-020. That would suggest to me during the year
4 1995 this happened to be the 20th such test
5 performed?

6 A. Yes.

7 Q. What training, if any, did your
8 technician receive in order to learn how to
9 perform this test?

10 A. There's very little training that's
11 necessary for this test. It's a pretty
12 straightforward procedure.

13 Q. Is that done here on site?

14 A. Yes.

15 Q. Have you actually performed this test
16 yourself?

17 A. Yes, I've done this test.

18 Q. In your personal experience, how
19 often have you performed the, we'll call it, CPT
20 exam?

21 A. Oh, gosh.

22 Q. I'll make it easier. On patients
23 where you're testing the occipital region.

24 A. Specifically, let's say zero.

25 Q. What about your technician, as far as

1 you know, given the patients seen here?

2 A. Specifically, over this period of
3 time, I think this may be the only one
4 specifically for the occipital area. This is a
5 test that can be done in any portion of the body
6 and the technique is the same, regardless whether
7 it's the big toe, the thorax or the occipital
8 area. There's nothing different in the procedure
9 that is dependent upon the location.

10 Q. Would it be fair to say that 95
11 percent of the time when you cause the CPT test
12 to be administered to one of your patients, it's
13 on a peripheral limb to test for a peripheral
14 neuropathy?

15 A. No, because peripheral neuropathies
16 are often better determined by ordinary
17 electromyographic nerve conduction studies. This
18 can sometimes serve as a corroborative test, but
19 it is more useful in looking at areas where
20 individuals report an area of numbness rather
21 than numbness affecting a limb.

22 It would be virtually impossible, for
23 example, to use nerve conduction studies to
24 evaluate an area of numbness on the back or the
25 thigh or the chest. So it is in that instance

1 where an individual is complaining of localized
2 numbness that the current perception threshold
3 test, **CPT** test, may provide useful information.

4 Q. The paragraph on your test report
5 refers to the fact that Mr. Bisler's results were
6 analyzed and then compared to established normal
7 population control values.

8 A. Yes.

9 Q. Was this normal population control
10 from your own patient population --

11 A. No.

12 Q. -- or from the test?

13 A. This is from the literature and that
14 which has been provided by the manufacturers of
15 the equipment.

16 Q. Okay.

17 A. As I said, this equipment has been
18 around now -- 1995 -- we're talking about this
19 has been around easily for 10 years and had
20 undergone many years of evaluation in many
21 centers in the country, and so a range of
22 responses had been developed, and this
23 information was provided to us by the
24 manufacturer.

25 Q. Do you have a booklet that lists

1 these normal values **so** that you can compare your
2 patients' results with normal values, or does the
3 machine somehow do this?'

4 **A.** No. The machine doesn't do this. We
5 know that there's a certain range **of**
6 responsiveness. But equally important, and maybe
7 even more important, would be differences from
8 one side to the other. I mean, God gave us two
9 parts of the body.

10 **Q.** I'll get to the right and left aspect
11 of it, and I understand that's important, too.

12 **A.** It's critical.

13 **Q.** In terms of comparing Mr. Bisler's
14 results with the norm, the normal patient
15 population, where are those normal patient values
16 set forth; in a booklet from the manufacturer or
17 in some kind of a listing you have?

18 **A.** In a booklet from a manufacturer, or
19 if you want, there are a whole slew of references
20 that we have access to that I have.

21 **Q.** Are these patient values or normal
22 values specific for the nerve results when
23 testing the occipital region? Is it that
24 specific?

25 **A.** There may be. There may be that. I

1 can't tell you that right now. We have normal
2 values that are -- well, here, **for** example, **is**
3 one. We're talking about the trigeminal nerve,
4 which is a nerve --

5 Q. We're not in this case.

6 A. I didn't say that. Please.

7 Q. I thought you said --

8 A. Please. I'm not stupid. Please, I
9 know the trigeminal is not the occipital, and
10 don't underestimate my intelligence.

11 Q. I'm not intending to do that,,
12 doctor

13 A. You're not listening. The trigeminal
14 nerve is a peripheral nerve that affects the
15 face, and even though it is not the same nerve,
16 there is a reasonable likelihood that the
17 parameters of sensory perception over here will
18 be fairly similar to over here (indicating).
19 Maybe over here might even be more sensitive than
20 in the back of the head.

21 So that if you at least take those
22 numbers, you can use them to extrapolate to other
23 areas that should be either at least as sensitive
24 or maybe a little less sensitive.

25 Now, the numbers that we are given,

1 the lower the number is, the greater the degree
2 of sensitivity. The higher the number is, then
3 the less of a sensitivity.

4 Q. Let me **stop** you right there.

5 A. **No.** Let me finish. But **I** would not
6 make a major distinction between a number of 128
7 and 116 or 72 or 70, or 50. The number
8 differential **I** would start to think of as being
9 important is if there were at least a factor of
10 two or three above what one would anticipate
11 elsewhere. You can have this if you wish.

12 Q. The numbers that we see recorded on
13 your report, are these the actual numbers that
14 were registered when Mr. Bisler did the test?

15 A. When the technician did the test on
16 Mr. Bisler?

17 Q. That's what **I** meant.

18 A. Yes.

19 Q. So when we see, for example, right
20 temporal, the number 72, the number 8, those were
21 actual values?

22 A. Those were actual values that were
23 generated by the test, yes. The numbers indicate
24 the degree of -- well, let me give you an
25 example. It's very simple. If you hook yourself

1 up to a battery, okay, you will feel a shock.
2 The intensity of the shock will depend on a few
3 things. It will depend upon the amount of
4 current; it will depend upon the voltage; it will
5 depend whether your hands are wet; it will depend
6 whether you're making a good electrical contact
7 with the battery, **do** you understand, whether the
8 skin is thick, whether the skin is not thick or
9 so forth.

10 So you have a variety of factors that
11 feed into whether you will feel the electrical
12 shock. The bigger the battery, the bigger the
13 shock, everything else being constant; you will
14 agree to that.

15 And what this basically does, in very
16 simplistic terms, what this test does is to
17 determine the level at which the patient
18 perceives the shocks. The shock stimulus, the
19 intensity of the stimulus, is changed, and the
20 shock is given at a specific frequency, so it's
21 not a -- it's not quite like holding a -- a
22 battery contact and getting a shock from that.
23 We give specific stimuli, and what this does is
24 to stimulate nerves of specific sizes.

25 Q. What does the term MA refer to?

1 A. Milliamps.

2 Q. Milliamps?

3 A. Yes. Thousandths of an amp,

4 Q. So these numbers 72, 8, are being
5 expressed in terms of milliamps?

6 A. Yes.

7 Q. Is an amp a measure of intensity?

8 A. Current. It's the amount of current.

9 Q. Current.

10 A. Electrical current.

11 Q. How does the amount of current differ
12 from what's referred to -- is it the hz value?

13 A. Hz refers to hertz, that's frequency.

14 Q. When this test is administered, is it
15 started for the patient at zero milliamps, and is
16 there some measure where it's increased and you
17 wait for the patient to say I feel it?

18 A. That's correct. And we often go at
19 it from a variety of points. We may start high
20 and work our way down rapidly, then go back up.
21 It's done with a variety of -- in a variety of
22 ways to minimize any subjective biases that the
23 patient may have.

24 Q. In Mr. Bisler's case, do you know how
25 this test was exactly administered, started at

1 zero and moving up?

2 A. No, I do not.

3 Q. Do you know if it was administered to
4 him more than once in order to test the
5 reproducibility *of* the results?

6 A. Yes.

7 Q. Do you know how many times it was in
8 fact administered in order to test the
9 reproducibility?

10 A. No. No, I don't.

11 Q. If it was done more than once for
12 reproducibility purposes, are these numbers we
13 see here average amounts or one set of values?

14 A. I can't tell you that. They often
15 are done more than once. In Mr. Bisler, there's
16 something that stands out so remarkably that in
17 fact, you know, statistically the differences
18 between 999, which means no reported response at
19 all, to a very strong shock.

20 Q. So the 999, is that a default value
21 that goes in?

22 A. That's not default. That's maximum.
23 That's maximum current that this instrument can
24 generate. Clearly, there's going to be a limit
25 to how much current you apply to an individual

1 before you electrocute them. **So** there are
2 certain safety parameters, and in this particular
3 instrument, **999** is the maximum number that this
4 instrument will generate, according to FDA
5 regulations.

6 But the point is that here no
7 response was obtained in stimulating the very
8 small myelinated fibers, the larger myelinated
9 fibers and unmyelinated fibers. The small
10 myelinated fibers are those that are stimulated
11 selectively by the 2000 hertz stimulus; the
12 larger myelinated sensory fibers by the 250
13 hertz; and the larger unmyelinated fibers by the
14 five hertz.

15 Normally we wouldn't have done that
16 in the face or the neck, and in him, because
17 there was no response at all to the higher
18 frequency, we took it down to the five hertz and
19 didn't get a response on it.

20 Q. So was the five frequency test not
21 done for the right temporal, right neck, left
22 temporal, left occipital and left neck?

23 A. It would appear so. It would appear
24 we did that only for the occipital on the right
25 side.

1 Q. So the 999 indicates that despite the
2 maximal stimulus intensity, there was no reported
3 sensation --

4 A. Correct.

5 Q. -- or perception?

6 A. Perception.

7 Q. Again, just so I'm clear, did you
8 have available in May of 95 a set of values for
9 the normal patient population when testing the
10 right temporal, occipital, neck region, left
11 temporal, occipital and neck region?

12 A. I gave you that sheet. That sheet
13 gives you for the trigeminal nerve, I believe,
14 and the trigeminal nerve, if we --

1.5 Q. But I'm asking if there's anything
16 specific to these nerve sites that were tested on
17 Mr. Bisler.

18 A. Ma'am, you have asked me that
19 already.

20 Q. I take it the answer is no?

21 A. The answer is I don't have specifics
22 for this area.

23 Q. Okay.

24 A. But I do have specifics for a
25

1 which is a more sensitive nerve than the
2 occipital nerve, we have a range of numbers.
3 There's a minimum, a maximum, a mean and a
4 standard deviation, and **Mr.** Bisler falls well
5 beyond for the occipital area.

6 It's of interest that what we did is
7 we looked at a variety of areas in him, and I
8 would guess that since I did the marking, I
9 probably would have used an 01, 02 location,
10 which is an EEG location for the scalp; that's
11 where the normal electrodes would be placed for
12 an EEG, 01, 02.

13 Then a temporal location, which would
14 be a mid temporal location, that would be above
15 the ear on both sides, and then the neck. And in
16 this instance I'm sure it would have been the
17 mid -- the lateral posterior portion of the
18 neck. These would be the areas that would be
19 marked. So the areas that would have been marked
20 would have been here, here, here, here, here, and
21 here (indicating).

22 Q. **Do** you have a specific memory of
23 this, or are you just understanding --

24 A. **I** know this is what I would have
25 done.

1 Q. But without having any record before
2 you as to exactly Mr. Bisler's case; is that
3 true?

4 A. The areas that are marked are right
5 temporal, right occipital, and right neck, and
6 those would have been the areas that would have
7 been demarcated for the symptoms and the area
8 that he was complaining of.

9 Q. The final paragraph of the impression
10 section of this report, I see the phrase that in
11 the right occipital area you determined that
12 there's a significant hypoesthesia.

13 A. Correct. Isn't that interesting?

14 Q. Yet in your other notations you
15 thought there was hyperesthesia. Can you explain
16 that?

17 A. Yes, I can. Remember what I said,
18 that people with a neuropathy will describe a
19 variety of feelings and symptoms. What I found
20 on the examination was an increased sensitivity
21 to the pin prick. When we came to measure the
22 individual responses of the individual nerves, he
23 in fact was less. And we have found individuals
24 that can go both ways, that there are some
25 individuals in whom there is exquisite

1 sensitivity to the stimulus, and there are other
2 individuals who have severe diminished perceptive
3 response, and it can **go** both **ways**.

4 It implies, and the only thing that
5 can be gotten out of this without trying to
6 pilpul the words further, is that the test
7 indicates an abnormality in nerve function.
8 That's all you can really get out of this.

9 Q. So if I understand correctly, when
10 you performed your physical exam test, you
11 determined that this man was experiencing a
12 hyperesthesia?

13 A. No. No. What I said -- when I
14 performed the test, what I got from him was that
15 he reported to the stimulus that was given, and
16 that's a cruder stimulus, a sensation of
17 increased sensitivity.

18 Q. Plus your choice of the word
19 hyperesthesia?

20 A. Hence the word hyperesthesia. When
21 we tested specific nerves or nerve diameters with
22 specific stimuli, now that's a little different
23 than just sticking away with a rather blunt
24 instrument or whatever, he reported a lack of
25 sensitivity to those particular stimulations. It

1 could possibly have been that had different
2 stimuli at -- different frequencies been used,
3 perhaps there was one specific frequency to which
4 he would be hypersensitive, but that information
5 isn't available. The literature speaks only of
6 these three frequencies.

7 Now, that is what we restrict our
8 exam to. That is all the machine is capable of
9 generating.

10 Q. These test results, given what the
11 machine tells you, are they able to tell the
12 examining physician when the patient developed
13 the hypoesthesia condition?

14 A. No.

15 Q. Are they able to tell you for how
16 long the hypoesthesia condition has been
17 present?

18 A. No.

19 Q. And is it able to say under what
20 circumstances the hypoesthesia condition
21 developed?

22 A. No.

23 Q. Have you ever written any articles in
24 the literature about your experience with the CPT
25 test?

1 A. No.

2 Q. Do you know if the CPT test was
3 administered on any other portions of Mr.
4 Bisler's body other than these areas as noted in
5 your report?

6 A. Not by me.

7 Q. What was the brand name of the
8 equipment that you utilized in May of 95, in case
9 it's changed?

10 A. It is called a Neurometer made by
11 Neurotron, Incorporated in Baltimore, Maryland.

12 Q. Neurometer?

13 A. Neurometer.

14 Q. You have had this since at least 95?

15 A. Oh, yeah. I would point out that
16 prior to this test becoming available, there was
17 another way of testing. When I was in residency
18 at the Clinic, we were taught to use what is
19 called Frey hairs, F-R-E-Y, I think, which is a
20 little handle through which a small little piece
21 of plastic is inserted at a 90-degree angle, all
22 right, and the plastic would be of different
23 diameters, and so each time you went at someone
24 like that (Indicating) with it, it would give a
25 varying stimulus, from the very thick to the very

1 fine. Well, this is a heck **of** a lot more
2 sensitive than that.

3 Q. Did you bill for administering this
4 test to Mr. --

5 A. Yes, we did.

6 Q. -- Bisler? **Is** this a charge that
7 insurance companies pay for?

8 A. Yes. I think.

9 Q. Has it ever been deemed, in recent
10 years, since 95, or at the time in 95, to be
11 either experimental or investigational such that
12 it's not paid for?

13 A. Not to my knowledge.

14 Q. We also have in the materials that
15 have been made available to us a letter that you
16 sent to Dr. Schnell in November of 1995.

17 A. November of -- yes.

18 Q. This letter appears to indicate that
19 you had prescribed is it Tranxene for the
20 patient?

21 A. Yes.

22 Q. **Is** Tranxene used for -- is it an
23 antianxiety medication?

24 A. Yes.

25 Q. A benzodiazepine?

1 A. That is one of its functions,

2 Q. Why did you prescribe it for the
3 patient?

4 A. I've often found that in individuals
5 who demonstrate hyperesthesia, or painful or
6 burning type neuropathies, that Tranxene may be
7 very effective in diminishing those symptoms in
8 the same way, in some way, that other medications
9 will do this. One medication that I initially
10 tried -- I tried a couple things. The first
11 medication I tried on him was Tegretol. Then I
12 tried Klonopin and some Elavil, and then the last
13 one that I tried was the Tranxene.

14 All of these medications are
15 medications that we use in individuals with a
16 neuropathy to decrease the intersynaptic
17 transmission that may actually block pain
18 perception or in some way modify pain
19 processing.

20 Q. When you were explaining your choice
21 of Tranxene, you again said that you have used
22 that in patients with hyperesthesia?

23 A. Yes.

24 Q. Here again, does this patient have a
25 hyperesthesia or hypoesthesia or both?

1 A. It depends on how you evaluate the
2 symptomatology. **If** he is complaining **of** a
3 burning sensation, that implies that there may **be**
4 some distortion of sensory processing. That is
5 the situation where I would use anticonvulsants
6 like Tegretol, or I would use a medication such
7 as the antidepressants, Elavil more so than the
8 Pamelor, the Tranxene.

9 If one is dealing with an individual
10 who has numbness, okay, a loss of sensation, and
11 that is what he is complaining of, regardless of
12 any fancy tests that machines do, in that
13 situation, I would not use this medication.

14 The dysesthesia that he's talking
15 about, the burning sensation, you might almost
16 look upon that as a, I'll use the word, a
17 positive symptom, something that's there that
18 he's complaining of. A hypoesthesia would be a
19 negative symptom in the sense that he's not aware
20 of sensation in that area. So I would not use
21 the medication in that situation.

22 Q. I'm going to go back to a point I
23 know you were trying to explain to me a moment
24 ago.

25 How is it that he complains of a

1 burning sensation, you call it a hyperesthesia,
2 but when you plug him up to the machine, we get
3 an absence **of** a reading in hypoesthesia. Which
4 is it, hyper or hypo?

5 A, It can be both. It can be both.
6 What I said is that when I tested his sensation,
7 I use what is relatively a crude instrument, a
8 pin. That stimulates a whole bunch of nerve
9 fibers simultaneously. Do you understand that?

10 Q. Yes.

11 A. When I did the CPT, I selectively
12 stimulated one group of fibers at a time, and in
13 selectively stimulating one group of fibers at a
14 time, I determined that there was a diminished
15 responsiveness to that particular frequency.

16 Now, had I given him a global
17 stimulation, which I can't do, a global
18 electrical stimulus that, let's say, is like
19 white noise, rather than a specific frequency,
20 the results may have been different.

21 Q. But you did not do that?

22 A. Can't do that. The machine is not
23 capable.

24 Q. In terms of the occipital placement
25 at the nerve, was it placed over the greater

1 occipital nerve or the lesser occipital nerve?

2 A. It was placed, if we go to here --

3 Q. Again, the question is in Mr.

4 Bisler's case, where was it placed?

5 A. I'll tell you where, if you give me a
6 chance, because it will have gone in a
7 traditional location. Mr. Bisler or anybody else
8 who had that symptomatology would have had the
9 electrode placed in the same area to his -- this
10 area here. The occipital nerve supplies this
11 area here, and it would have been, and I'll mark
12 it, approximately here, and here (indicating).
13 Well, maybe even a little lower; here and here
14 (indicating). I'd have to feel the patient's
15 skull, the occiput. But it would be over the
16 prominence, the back of the head, bilaterally.
17 This is the traditional 10/20 international
18 electrode placement protocol for performing
19 electroencephalography. Those are the occipital
20 locations.

21 Q. That's an EEG?

22 A. EEG. But that's a recognized
23 location, so that it would be an 01/02. So that
24 if this is the left side and this is the right
25 side, the designation would be 02/01. That's

1 where I would have put the markings.

2 Q. How would *you* have marked on Mr.
3 Bisler?

4 A. With a highlighter.

5 Q. Over his hair?

6 A. On his scalp. Moving the hair and
7 marking the scalp.

8 Q. With just a yellow highlighter?

9 A. Yes. That's all.

10 Q. Did I understand you to say that you
11 prescribed Pamelor and Elavil for the patient?

12 A. No. I did not prescribe the Pamelor,
13 but I did prescribe the Elavil.

14 Q. You did?

15 A. Yes.

16 Q. And when did you prescribe that?

17 A. 6-28-95.

18 Q. Did you take him off of Tegretol?

19 A. Yes, that same day.

20 Q. He was having a reaction from the
21 Tegretol?

22 A. Yes.

23 Q. Is that reaction that he was
24 complaining of, the jerky movements of his hands,
25 is that seen with Tegretol?

1 A. Yes. You can see it with Tegretol.

2 Q. It's a reported side effect?

3 A. Yes.

4 Q. Or adverse reaction?

5 A. Yes, tic type movements.

6 Q. Can you quickly read for us your
7 6-28-95 note?

8 A. 6-25?

9 Q. 6-2%.

10 A. My notes indicate that he has had
11 some tremors of his hand, jerky like movements.
12 This was not present before the Tegretol. His
13 finger testing was normal, which indicated there
14 was no dysmetria; that's important, but it would
15 indicate whether it was a Tegretol overdose.
16 What I told him to do was stop the Tegretol and
17 start Klonopin and Elavil.

18 Q. What is Klonopin?

19 A. Klonopin is a benzodiazepine
20 derivative, but very effective -- or it's an
21 anticonvulsant, an antianxiety, and also is very
22 effective in slowing the interneuronal
23 transmission.

24 Q. Then you also started him on Elavil
25 at the same time?

1 A. Yes.

2 Q. Just while I'm thinking of it, going
3 back for a moment to your original neuro exam, at
4 least as you have recorded it here, it was
5 essentially normal in all respects except for
6 what we see noted as an abnormality?

7 A. Yes.

8 Q. I'm just going through your
9 handwritten notes now. 6-30-95, you took a
10 telephone call from the patient?

11 A. Yes.

12 Q. Can you read that note for us,
13 please?

14 A. Sleepy. He's been on the medication
15 only one day. He was going to be seeing Dr.
16 Schnell, and I think -- let me see something
17 here. 6-30. Yes. On 6-28 I sent him down for a
18 blood test, which is something that I would often
19 do, and why -- I'm not sure if I initialed that
20 phone call. I probably did, because the blood
21 test was drawn on 6-28, and then the telephone
22 call was made on 6-30, and it was probably made
23 because of a finding of the elevated glucose of
24 348.

25 Then I do indicate that I was going

1 to fax the blood tests to Dr. Schnell. There's
2 an arrow that says to Schnell, which would mean C
3 Dr. Schnell.

4 Q. Why did you draw the **blood** on June
5 28th and not at the initial visit on May 24th?

6 A. There was blood drawn on the initial
7 visit.

8 Q. But not this panel?

9 A. No, not this panel.

10 Q. Why was this panel. drawn?

11 A. This panel was drawn because of the
12 development of the jerky like movements, so I
13 wanted to be sure there was nothing wrong with
14 his sodium or the liver function.

15 Q. Can you read the note of July 26 for
16 us.

17 A. He saw Dr. Schnell. He was started
18 on some medication, presumably that would be for
19 his diabetes. He checks the CHO, carbohydrates,
20 the sugars, and that was fine. He still has pain
21 in the area.

22 States that he had some nerve blocks
23 at the Cleveland Clinic. I would presume those
24 would be suboccipital nerve blocks, but I don't
25 have any specific information. That would be a

1 logical conclusion, though, and that there was no
2 alteration, no noted change, with this
3 medication. He did not want any repeat blocks.
4 He has persistent symptoms.

5 And at that time I suggested that he
6 increase the Klonopin from three times a day to
7 four times a day.

8 Q. Going back to the beginning of that
9 July 26 note, you state that the patient did see
10 Dr. Schnell, and I can't read your handwriting
11 there.

12 A, Was started on medication.

13 Q. What medication was he started on?

14 A" I would presume that it was for his
15 diabetes. I don't have the specific drug.

16 Q. You don't have the drug noted?

17 A, No.

18 Q. You don't also indicate or note what
19 the indications were for the drug?

20 A. Oh, I would know. The man was
21 clinically diabetic

22 Q. So you're inferring from the sequence
23 of your notes and the blood results that the
24 visit to Dr. Schnell resulted in a new medication
25 and a new medication for the diabetes?

1 A. I initiated the visit to Dr. Schnell
2 because **of** the finding on the blood test. The
3 man was diabetic and **of** a magnitude that required
4 treatment, So when he tells me he's been started
5 on medication by **Dr.** Schnell, it would be **my**
6 logical presumption that it would have been for
7 the diabetes.

8 Q. What is the word that is written
9 after medication?

10 A. Check medications and Rx.

11 Q. I understand.

12 A. Check CHO. CHO is shorthand for
13 carbohydrates, sugar, and okay.

14 Q. That's a reference to Dr. Schnell
15 checked those and found them to be okay?

16 A. I'm not sure he or the patient. I
17 don't have that specific information.

18 Q. Did you do that check?

19 A. No.

20 Q. In your statement that he had had
21 some nerve blocks done at The Cleveland Clinic,
22 when were those performed?

23 A. I have no idea.

24 Q. Given the placement of that statement
25 in this July 26 note, did you understand that the

1 nerve blocks had been performed sometime between
2 **July** 26 and the most prior visit that the patient
3 had with **you**?

4 **A. No.** I don't think we can make that
5 inference. He still had some pain in the area.
6 He told me he had some nerve blocks at the
7 Clinic; he may have discussed that. He also told
8 me, though, that he had, I think -- that he had
9 nerve blocks. He told me he had nerve blocks the
10 first time I saw him. Whether we're talking
11 about the same nerve blocks or not that were told
12 to me on 5-24-95 or 7-26-95, I can't answer
13 that. They may in fact have been the same nerve
14 blocks, or there may have been additional nerve
15 blocks. I don't know.

16 **Q.** On July 26, did you continue the
17 patient on the Elavil?

18 **A.** No. We had -- I think that was
19 actually stopped. He had been very sleepy on
20 that telephone call of 6-30,. He said he was
21 sleepy and he had been on medication for one
22 day. Although it's not indicated in the notes as
23 such, it is probable that I told him to stop the
24 medication because he was that sleepy.

25 **Q.** What was contributing to the

1 sleepiness, the Elavil?

2 A. It could have been both the Elavil
3 and the Klonopin. I elected to stop the Elavil
4 because the visit a month later, he was receiving
5 Klonopin, and I asked him to increase it.

6 Q. There's nothing in the June 30th note
7 or July 26th note that indicates that you asked
8 him to stop any medication; correct?

9 A. That's correct. No, I'm sorry. We
10 go forward, if we jump ahead to 9-27-95, there's
11 a notation he is in fact on the Elavil ten
12 milligrams.

13 Q. Elavil was never discontinued?

14 A. Elavil was never discontinued. Maybe
15 he was sleepy because he was severely diabetic.

16 Q. Why don't you read for us, if you
17 can, the September 27, 95 note.

18 A. He's monitoring his glucose, he's on
19 a diet, and that he's okay, so I presume the
20 glucose is okay. He developed a tremor and he --
21 the tremor that he developed previously to the
22 Tegretol again. I guess he developed a tremor
23 while on the Klonopin, and that was stopped. He
24 was on Elavil ten milligrams at bedtime, and we
25 stopped that. We stopped that, because at this

1 **point in** time, I became aware he was still on
2 Pamelor and --

3 Q. Where does it say that?

4 A. Is on Pamelor, it **says**,

5 Q. We don't know who prescribed the
6 Pamelor?

7 A. We did. We talked about that.
8 Presumably it was Br. Schnell. And when the
9 Elavil was prescribed, I'm sure, although it's
10 not recorded -- that when he had told me on the
11 visit, first visit, 5-24-95, that he was on
12 Pamelor, but that was without benefit. Then on
13 6-28 when I told him to start the Elavil, I must
14 have told him to stop the Pamelor, and he did
15 not.

16 So he continued with that, and that
17 became evident on 9-27 when I found out that -- I
18 **told** him to stop the Elavil, and he told me then
19 that he is on the Pamelor, and that's underlined.

20 Q. Let me make sure I understand the
21 sequence here.

22 On June 28, 95, you started the
23 patient on both the Klonopin and the Elavil?

24 A. Yes.

25 Q. It is not specifically noted in the

1 June 28 note that you instructed the patient to
2 stop Pamelor?

3 A. Correct.

4 Q. On June 30th, he calls to report that
5 he's very sleepy, but no specific reference at
6 that point about stopping any of the
7 medications?

8 A. No. But he had only been on the
9 medication for one day.

10 Q. July 26, we have a reference to
11 increasing the Klonopin?

12 A. Yes.

13 Q. Nothing is stated in that note about
14 the Elavil?

15 A. Correct.

16 Q. So presumably Elavil is being
17 continued?

18 A. Correct.

19 Q. We get to September 27, 1995, and now
20 we find that the patient had developed a tremor
21 and was off the Klonopin. Who took him off the
22 Klonopin and when did that happen?

23 A. I don't know. I don't have that
24 information. It may well have been that Dr.
25 Schnell had stopped the Klonopin. I do not know.

1 Q. Do **you** know when it was stopped?

2 A. **No.**

3 Q. The reference that he was taking
4 Elavil, again, this is the September 27 note,
5 what does it say about the Elavil?

6 A. **On** ten milligrams Elavil at bedtime.
7 Stopped. **Is** on Pamelor.

8 Q. **Is** that the same dosage **of** Elavil you
9 prescribed for him on June 25?

10 A. Yes, 10 milligrams is a rather low
11 dose.

12 Q. Did you then stop the Elavil on
13 September 27th?

14 A. It says stopped.

15 Q. Does that mean that you stopped him
16 or that he had stopped?

17 A. It says I told him to stop.

18 Q. Do you know what dosage of Pamelor he
19 was then taking?

20 A, At that point in time, no. I do know
21 that most previously he was on 15 milligrams
22 twice a day.

23 Q. Is there a contraindication to
24 prescribing Pamelor and Elavil at the same time?

25 A. Only if -- they're both

1 antidepressants, and one doesn't give two
2 antidepressants simultaneously, and when E
3 prescribed the Elavil, it was **my** presumption that
4 the Pamelor had been discontinued because it was
5 reportedly without benefit. **So** I must have told
6 him to stop that and start that, and then it was
7 only later on that I found out he was on both.
8 But that's presumption. I'm reading between the
9 lines.

10 Q. Now, in the September 27 note, you
11 indicate that you're going to try him on the
12 Tranxene --

13 A. Yes.

14 Q. -- three times a day?

15 A. Yes.

16 Q. Is that t.i.d.?

17 A. Yes.

18 Q. With meals?

19 A. Yes.

20 Q. And Tranxene, again, is the
21 antianxiety medication?

22 A. Yes.

23 Q. Any contraindication to being on
24 Tranxene and Pamelor at the same time?

25 A. No.

1 Q The next sentence reads: "I
2 can't read your handwriting"
3 A. Six weeks.
4 Q. And you also write there are no nerve
5 blocks wanted.
6 A. Yes.
7 Q. Still tender occipital area. Did you
8 see the patient then in six weeks?
9 A. Approximately. Yes.
10 Q. What's the November 8 visit?
11 A. Yes.
12 Q. Can you read that notation for us?
13 A. Says Dr. Schnoll regarding diabetes
14 mellitus. DM pain and hypersensitivity scalp
15 present. No change with tranxene, which makes
16 him drowsy. Blood pressure 140 over 90. Weight
17 224. Neurologically stable; that is, there was
18 no change. I told him to gradually reduce the
19 Tranxene by one every three days, and then
20 because this is already a chronic situation, he
21 didn't want any nerve blocks. He had been on a
22 variety of medications. I didn't see any reason
23 to continue seeing him.
24 Q. In your November 8, 1995 note, do you
25 write the word 'hypersensitivity' or

1 "hyposensitivity?"

2 A. Hyper.

3 Q. Hyper. It seems from the chronology
4 of the tests *you* did and the **blood** work,
5 especially, on the patient that you may have been
6 the one to -- at least I found some blood work
7 regarding the glucose situation.

8 A. Yes.

9 Q. Do you know for how long the patient
10 had an elevated glucose?

11 A. No. No. First off, I point out that
12 this was a random test, and it was done at 1325
13 minus 12, 1:25 in the afternoon. He had probably
14 had lunch, so it was nonfasting. But even if it
15 was nonfasting, it's still elevated.

16 So that one cannot determine the
17 magnitude or the severity of his diabetes on the
18 basis of that one test.

19 Q. Okay.

20 A. Presumably there would be something
21 in the records from The Cleveland Clinic that
22 might have indicated it.

23 Q. In your report that you prepared on
24 June 16 of 1995, the very last paragraph, you
25 make a comment about the prognosis for Mr.

1 Bisler's symptoms.

2 A. Yes.

3 Q. You stated that they are now
4 permanent.

5 A. Yes.

6 Q. What is your basis for making that
7 judgment?

8 A. In my mind, I use a time period of
9 anywhere from six to 12 months. If symptoms are
10 present in excess of that period of time, then,
11 according to my criteria, these symptoms have
12 become chronic. And if they have persisted for
13 in excess of one year and have become chronic, in
14 essence, it's permanent

15 Q. That same paragraph states, your
16 impression, that there is a causal association
17 between this neuralgia and the intraoperative
18 compression of that nerve as sustained in 1992.

19 A. Yes. That's a clinical judgment.

20 Q. That's clinically based on the
21 information that the patient provided in terms of
22 history --

23 A. Yes.

24 Q. -- and the testing that *you* have
25 talked to us about?

1 A. Yes.

2 Q. You don't state here any opinion or
3 impression **as** to whether there was any negligence
4 associated with the surgery?

5 A. No, not at all.

6 Q. You're not going to venture a comment
7 on that issue?

8 A. No, not at all.

9 Q. Do you have an opinion there was no
10 negligence?

11 MR. CZACK: Objection.

12 A. I don't think that's relevant. I'm
13 not aware of how his head was positioned at the
14 time of surgery. I'm not aware of whether there
15 are certain maneuvers that people do during a
16 lengthy procedure to minimize prolonged contact
17 with any one particular part of the body with any
18 potential pressure site. Therefore, I don't feel
19 that I'm competent, in fact, to pass on that
20 issue.

21 Q. Based on your experience of having
22 diagnosed and treated patients with
23 compression -- or let's say occipital neuralgia,
24 we'll use that phrase, occipital neuralgia, in
25 your practice, has it been your impression that

1 occipital neuralgias only occur when there has
2 been negligence or malpractice?

3 A. No.

4 MR. CZACK: Objection. You said
5 occipital neuralgia; right? That's what you
6 limited that question to?

7 MS. VANCE: I referred to occipital.
8 neuralgia.

9 A. Yeah.

10 Q. That's based on your experience of
11 treating?

12 A. Sure. The answer is no.

13 Q. If I were to be more specific and say
14 a greater occipital neuralgia, what has been your
15 experience that patients experiencing a greater
16 occipital neuralgia, that those conditions only
17 occur in the presence of malpractice?

18 A. The answer would be the same.

19 MR. CZACK: Objection.

20 A. There are many reasons why. We have
21 gone into this.

22 Q. There are many reasons that are
23 nonnegligence reasons --

24 A. Yes

25 MR. CZACK: Objection.

1 Q. -- for patients to develop
2 symptomatology similar to what Mr. Bisler has
3 complained of?

4 MR. CZACK: Objection.

5 A. Correct.

6 MS. VANCE: I don't think I have any
7 further questions for you, Dr. Mars.

8 To the extent that you do undertake
9 any further research or investigation into any of
10 the issues that we've covered here today such
11 that your opinion would either be changed or
12 better informed or differently informed than what
13 we have expressed here today, I would ask for
14 another opportunity to redepose you just on that
15 limited new material you have developed between
16 now and the time of trial.

17 MR. CZACK: Based on that limited
18 condition, that's fine.

19 MS. VANCE: I'm not going to plow
20 back over old material. Just to find out if he s
21 done anything new between now and the trial
22 date.

23 THE WITNESS: If I have another
24 deposition, a pretrial deposition, then I would
25 indeed make a Medline search, and I will be more

1 than happy to provide you with a photocopy of
2 anything that is generated by that search.

3 MS. VANCE: I'm only interested in
4 another pretrial deposition if ysu indeed
5 undertake any sort of further work or
6 investigation, if you will, into the issues in
7 this case to prepare yourself for trial, anything
8 that you do differently between now and the time
9 of trial.

P0 THE WITNESS: Right.

11 MS. VANCE: Be that literature
12 search, Medline work, further examination of the
13 patient, anything along those lines. That's what
14 I'm interested in.

15 THE WITNESS: That's what I will do.

16 MS. VANCE: If you don't do any of
17 these things, I don't need to see you until
18 trial.

19 THE WITNESS: Fair enough.

20 MS. VANCE: If you do do these
21 things, let me know.

22 THE WITNESS: No. I will let Mr.
23 Czack know, and he will let you know.

24 MS. VANCE: That's exactly right,
25 Thank you.

1 THE WITNESS: My pleasure. I will
2 waive.

3 (Deposition concluded at 5:49 p.m.)

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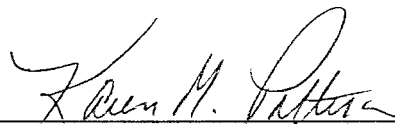
CERTIFICATE

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

I, Karen M. Patterson, a Notary Public within and for the State of Ohio, duly commissioned and qualified, do hereby certify that the within named HAROLD MARS, M.D. was by me first duly sworn to testify to the truth, the whole truth and nothing but the truth in the cause aforesaid; that the testimony as above set forth was by me reduced to stenotypy, afterwards transcribed, and that the foregoing is a true and correct transcription of the testimony.

I do further certify that this deposition was taken at the time and place specified and was completed without adjournment; that I am not a relative or attorney for 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 2nd day of September, 1998.



Karen M. Patterson, Notary Public
Within and for the State of Ohio

My commission expires September 27, 1999.