

IN THE COURT OF COMMON PLEASCUYAHOGA COUNTY, OHIO

SANDRA PAYNE, et al.,

Plaintiffs,

-vs-

JUDGE SUSTERCASE NO. 315833

AKBAR KERAMATI, M.D., et al.,

Defendants.

- - - -

Deposition of A. ROMEO CRACIUN, M.D., taken
as if upon direct examination before Juliana M.
Lawson, a Notary Public within and for the State
of Ohio, at the offices of 3619 Park East, South
Building, Beachwood, Ohio, at 4:15 p.m. on
Tuesday, March 30, 1999, pursuant to notice
and/or stipulations of counsel, on behalf of the
Defendants in this cause.

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14 On behalf of the Defendants.

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

7 DIRECT EXAMINATION OF A. ROMEO CRACIUN, M.D.

8 BY MR. O'DONNELL:

9 Q. Doctor, what is your name?

10 A. I'm Dr. Atanase Romeo Craciun. C-r-a-c-i-u-n.

11 Q. And are you a licensed physician in the State of
12 Ohio?

13 A. Yes, sir.

14 Q. Are you also a surgeon?

15 A. No.

16 Q. How long have you been licensed in the State of
17 Ohio?

18 A. Since 1982.

19 Q. And where is your office located?

20 A. In Park East, which is in Beachwood.

21 Q. Where did you receive your medical education and
22 training?

23 A. I received my formal medical education in my
24 native country in Romania, in Europe, and I
25 graduated in September of 1973 with a degree of

1 M.D.

2 Q. And when did you come to the United States?

3 A. I come to the United States in July of 1977.

4 Q. And did you have further medical education and
5 training after coming to the U.S.?

6 A. That's correct, sir. I, it took me one year to
7 learn English, then I took my ECFG examination.
8 Stands for Educational Commission for Foreign
9 Medical Graduates. And I passed that. And
10 after that I took my medical internship at
11 Bethesda, Maryland and then formal training in
12 neurology at, residence in neurology at Henry
13 Ford Hospital in Detroit, Michigan and then at
14 Cleveland Clinic Foundation, where I finish.

15 Q. And you finished your neurology residency when?

16 A. In 1984.

17 Q. Are you -- let me backup. Your specialty then
18 is neurology?

19 A. That's correct, sir.

20 Q. What is the specialty of neurology?

21 A. It's medical branch, internal medicine dealing
22 with the diseases involving brain, spinal cord
23 and peripheral nerves, nerve coming from the
24 spine to the extremities.

25 Q. Are you board certified?

1 A. That's correct, sir.

2 Q. How long have you been board certified?

3 A. Since 1984.

4 Q. Doctor, are you familiar with the spinal
5 accessory nerve?

6 A. That's correct, sir.

7 Q. Where is that nerve located?

8 A. It's the eleventh cranial nerve. For the jury,
9 the cranial nerves are 12 and 1 for each side of
10 the face and the head. So we have number 1
11 nerve going with the sense of smell and nerve
12 number 12 taking care of the innervation of the
13 tongue. Number 11 is the nerve immediate before
14 number 12 and involves primarily the innervation
15 of two muscles, the sternocleidomastoid muscle,
16 which is the most predominant muscle in the
17 lateral side of the neck, and the trapezius
18 muscle, portion of the trapezius muscle.

19 Q. What portion of the trapezius does it innervate?

20 A. Upper portion.

21 Q. Top of the shoulder here?

22 A. On top of the shoulder, yes. For the jury, the
23 trapezius muscle is the muscle you see
24 predominant under the collar of the shoulder and
25 also the main muscle connecting the shoulder

1 itself with the neck.

2 Q. Are there nerves besides the spinal accessory
3 nerve that innervate the trapezius?

4 A. Yes. The nerves innervate, in addition to the
5 trapezius, are the nerves coming from the spine
6 and the low neck area as well as in the upper
7 dorsal area.

8 Q. What is the function of the upper trapezius
9 muscle?

10 A. The upper trapezius muscles helps lifting of the
11 shoulder.

12 Q. Anything else?

13 A. And also helps with the movement of the neck
14 itself.

15 Q. Doctor, have you treated patients whose spinal
16 accessory nerves --

17 A. Occasionally.

18 Q. -- are not functioning?

19 A. Yes.

20 Q. By the way, what is neuropathy?

21 A. Neuropathy is disease of nerve. Neuro is the
22 nerve, opathy, from the Greek, means disease.
23 Neuropathy means disease of a certain nerve.

24 Q. If someone's spinal accessory nerve is damaged
25 during a surgical procedure, would you still say

1 it has a neuropathy?

2 A. That's exactly correct, sir. In other words,
3 the term of neuropathy is somewhat journalized.
4 I'm implies trauma, implies tumors, implies an
5 involvement of a certain nerve.

6 Q. So if we use the term neuropathy, we're
7 basically talking about damage to a nerve?

8 A. That's correct. A disease of a nerve. Yes.

9 Q. And the disease could have been caused by
10 damage?

11 A. Oh, sure.

12 Q. What are some causes of spinal accessory nerve
13 neuropathy?

14 MR. JACOBSON: Objection.

15 A. Some of them can be traumatic in nature. Some
16 of them can be compressive secondary to a tumor
17 and some of them can be of focal infectious
18 process. Such as an abscess or localized
19 infection deep in the muscle.

20 Q. Can a spinal accessory nerve be damaged during
21 surgery?

22 A. Yes.

23 Q. Have you treated patients whose spinal accessory
24 nerve has been damaged during surgery?

25 A. Yes.

1 Q. Are you familiar with a so-called traction
2 injury on the spinal accessory nerve?

3 A. Yes.

4 Q. What, can you describe that for me?

5 MR. JACOBSON: Let me just make a
6 standing objection here. Any of this
7 testimony that relates to standard of care,
8 and that's what we're getting into right
9 now, I'm going to voice a continuing
10 objection here, with counsel's permission,
11 so I don't have to continue to object.

12 MR. O'DONNELL: That's fine. I
13 don't expect to go into standard of care.
14 I'm not going to make you object each time.

15 MR. JACOBSON: All right.

16 A. Yeah. By traction neuropathy, when we are
17 talking about traction, we implicit, we suspect
18 that a portion of the nerve or the fibers of the
19 nerve have been stretched. And by stretching,
20 we assume the possibility of malfunction of some
21 nerves. Talking for the jurors, whenever you
22 have a wire, because you have to imagine the
23 nerve as a wire, and you have that wire damaged
24 in one area or another, that creates a
25 malfunction. That can be equivalent to the

1 traction.

2 Q. So in layman's terms, a traction injury to the
3 nerve would be like a stretching of the nerve?

4 A. That's correct. Beyond the tolerance of the
5 neck.

6 Q. Have you treated patients with traction injuries
7 to the nerve?

8 A. Yes.

9 Q. Excuse me. Spinal accessory nerve?

10 A. Yeah.

11 Q. Have you treated patients whose spinal accessory
12 nerve has been surgically dissected and removed,
13 cut?

14 A. Yeah.

15 Q. Is there a difference in clinical presentation
16 between patients whose spinal accessory nerve
17 has been stretched or damaged by traction injury
18 and patients whose spinal accessory nerve has
19 been cut or removed?

20 A. The only difference is time-wise in a sense that
21 the symptoms can present initially the same, but
22 the prognosis and the evolution is different.

23 Q. What is the prognosis and evolution where it's a
24 traction injury?

25 A. When you have a traction injury, you assume,

1 depends on the degree of the traction, you
2 assume that you have maintained the skeleton of
3 the nerve. That's very important. Because if
4 you imagine the skeleton of the nerve, like
5 tubular stem, you expect the nerve to regrowth
6 and reconstruct the damage which has created
7 before. Having a transection of the nerve, you
8 eliminate the architecture of the nerve, which
9 may still present, which in turn can create
10 malfunction and healing defect. In other words,
11 you may end up having a different structure of
12 the nerve as regenerates.

13 Q. When a person's spinal accessory nerve is
14 injured, whether it's by traction or transection
15 or some other reason, does a person experience
16 some loss of use or function of their upper
17 trapezius?

18 A. That's correct, sir.

19 Q. Is that loss of use or function of the upper
20 trapezius more significant or different when the
21 nerve has been cut as opposed to damaged by some
22 other means but essentially left intact?

23 A. Again, it depends on the prognosis. Usually, in
24 the person who has a transection of the nerve,
25 the muscle will be atrophic. The muscle will

1 melt, the muscle will not regenerate.

2 The person who has a traction of the nerve
3 and implicit, does not have complete destruction
4 of the nerve, there is a chance that a portion
5 of the muscle would still function.

6 Q. So a traction injury patient can experience
7 recovery, but a transection injury patient
8 probably would not experience recovery?

9 A. That's correct, sir. In majority of the cases.

10 Q. Some traction injury patients won't have
11 recovery?

12 A. That's correct, sir.' That depends on the
13 anatomical description, which, for the whole
14 purposes we don't -- I mean, the exceptions
15 would be very rare. So we are talking about
16 most of the people, majority of the people.

17 Q. Is the neurologist able to tell when the patient
18 presents in the office with their clinical
19 symptoms and situation whether the spinal
20 accessory neuropathy was caused by a traction or
21 a transection?

22 A. Only by history, sir.

23 Q. And if the history is indefinite, is there
24 anything in the clinical symptoms that can point
25 you to one cause or the other?

1 A. No.

2 Q. Did you see Sandra Payne, the plaintiff in this
3 case, as a patient?

4 A. That's correct, sir.

5 Q. And do you have a chart or a file concerning
6 her?

7 A. Yes, I do, sir.

8 Q. And I think we talked earlier, that's the
9 complete chart you have before you today?

10 A. Yes.

11 Q. When did you first see Sandra Payne?

12 A. I saw her first on June 11ⁱth of 1996.

13 Q. What subject of complaints did she have on June
14 11th, '96?

15 A. She was complaining of pain involving left
16 shoulder.

17 Q. Anything else subjectively on that date?

18 A. That was, that was the only subjective
19 complaint.

20 Q. By the way, I'm not sure if I asked you this
21 before. If I did, I apologize.

22 A. No problem.

23 Q. What are the signs and symptoms of a spinal
24 accessory nerve neuropathy?

25 A. Weakness primarily of the muscle innervated by

1 the nerve, which is overwhelming the motor
2 nerve, means a nerve dealing with motion and the
3 muscles.

4 Q. So weakness of the upper trapezius?

5 A. And the sternocleidomastoid.

6 Q. And I'm sorry. I didn't ask you this. What is
7 the function of the sternocleidomastoid?

8 A. The muscle holding mandible, the lower jaw and
9 helping the head with the forceful movements in
10 one side or the other, lateral or circular.

11 Q. Besides weakness then, what other signs and
12 symptoms do you see with injury to the spinal
13 accessory nerve?

14 A. Sometimes pain and tingling sensation.

15 Q. Anything else?

16 A. Those are the main symptoms.

17 Q. Have you observed degrees of spinal accessory
18 nerve neuropathy, in other words, some worse
19 than others?

20 A. Oh, yeah. Yes.

21 Q. And I'm sorry, but getting back to Sandra
22 Payne. Did you perform a physical exam on June
23 11th?

24 A. That's correct.

25 Q. Did that exam cause you to suspect a left spinal

1 accessory nerve neuropathy?

2 A. That's correct, sir.

3 Q. And what degree of a neuropathy did you suspect
4 existed?

5 A. At that time, I didn't comment, but I suspected
6 that it was probably mild to moderate degree.

7 Q. The symptoms -- excuse me. Were the complaints
8 and the history and the physical exam consistent
9 with a transection of the spinal accessory
10 nerve?

11 A. As I say before, I do not know that. I cannot
12 say that.

13 Q. How much function of the shoulder had Sandra
14 Payne lost by the time that you saw her on June
15 11th of '96?

16 A. When I saw her June 11th, she has had -- first
17 of all, for the jury, I would like to explain to
18 them that we estimate the strength of the muscle
19 as 5 to 5 when you have full strength and you
20 are in normal strength and zero when nothing is
21 moving. This classification is an international
22 classification, except for the Royal College of
23 Physicians from UK.

24 And what I saw on her, the estimated
25 weakness was, I mean, the estimated strength was

1 4, 4.5, involving the trapezius, supraspinatus
2 muscle and probably the deltoid as well.

3 Q. And what were your recommendations then to
4 Sandra Payne?

5 A. Usually when I see these patients and they have
6 enough time from the time of the alleged injury,
7 the best examination would be an EMG
8 examination. Because I saw some muscles which
9 have had involvement for a reason or another,
10 such as deltoid muscle and the prominence of the
11 scapular bone. I elected to suggest also an MRI
12 of the cervical spine.

13 Q. So your main suspicion was a spinal accessory
14 nerve injury, what, you were trying to rule out
15 something else?

16 A. That's correct, sir. Additional disk
17 herniations or anything.

18 Q. So you recommended an MRI, an EMG. Anything
19 else?

20 A. Yeah. Those were the two. And the physical
21 therapy, of course.

22 Q. Why did you recommend physical therapy?

23 A. In order for the muscle to be preserved, in
24 order to save a bulk of muscle, as much as
25 possible, you to have start active motion,

1 active range of motions in those muscles. By
2 doing that, you hope to prevent two things. You
3 hope to prevent further atrophy and loss of use
4 of the muscles. And also, you hope that you are
5 going to enhance the fibers of the muscles which
6 will survive to be able to compensate for the
7 ones that are lost.

8 Q. So some fibers in her upper trapezius were still
9 being innervated?

10 A. Judging from the strength, those muscles, those
11 fibers of the muscle were still present and
12 functioning. I did not know the degree of the
13 damage, but I certainly hoped that by doing that
14 I would prevent further loss of the muscle.

15 Q. Okay. Would you expect that some fibers of the
16 upper trapezius would still be innervated even
17 if the spinal accessory nerve was cut or
18 transected?

19 A. See, we are using the word transected. I don't
20 know if the nerve was transected. What I can
21 say is that the nerve might have been damaged
22 in, judging on the fact that she did not have
23 complete loss of strength in those muscles.
24 Certainly you assume indirectly that muscles are
25 still functioning and you have to hang on to

1 that and try to push it.

2 Q. Well, if the nerve is cut, aren't you cutting
3 off the nerve supply to that muscle and all of
4 its fibers?

5 A. Indeed we are talking about on speculative
6 grounds. If the nerve is cut, it depends on how
7 much the nerve is cut. In other words, you can
8 have only a portion of the nerve being cut as
9 opposed to totally being cut.

10 Q. If it's totally cut, would you expect there to
11 be any strength left in the upper trap?

12 A. Very unlikely. Because when I saw her 6-11, and
13 she has had surgery on April, so we are talking
14 about six to eight weeks, at that time,
15 certainly you hit the bottom in most of the
16 times. And in other words, at that time you
17 have the maximum deficit picture going to see.

18 Q. What were your thoughts on what kind of outcome
19 she might have as of your first visit with her?

20 A. Well, I waited for the EMG examination. On the
21 basis of the EMG examination, you can assume,
22 properly done, and the EMG examination was done
23 at Cleveland Clinic, because I wanted to have a
24 totally independent, unbiased examination. And
25 certainly what you expect, you expect

1 indirectly, properly done, to see, number one,
2 if you have complete loss of the muscle. Number
3 two, they will try usually to give you an
4 expectation to what degree of nerve was damaged
5 and indirectly you can make some assumption.

6 Q. After getting the EMG results then -- let me
7 back up. What did the EMG show?

8 A. The EMG examination was done on 6-17-96. And
9 the results are most consistent with left spinal
10 accessory mononeuropathy, axon loss in character
11 and severe in degree electrically in upper
12 trapezius.

13 Q. What does that mean in layman's terms?

14 A. Well, we have three portions of the trapezius
15 muscle. And what has happened is you have a
16 portion which is located in the upper portion of
17 the shoulder, a mid portion, which is sort of
18 the intermediary, and lower portion, which is
19 responsible for inferior aspect of the shoulder
20 blades participating in moving of the shoulder
21 blade in the inferior aspect.

22 What he mentioned here was clearly on the
23 upper portion of the trapezius muscle.

24 Q. So that's consistent with damage or neuropathy
25 of the spinal --

1 A. That's consistent with the branch of the spinal
2 accessory muscle. We know that indirectly
3 because he comment himself by no definite
4 abnormalities were identified in the mid
5 trapezius or in sternocleidomastoid.

6 So in saying that we clearly localize,
7 number one, the portion of the nerve responsible
8 for the trapezius muscle, and number two, not
9 only that, but only fragment of the trapezius
10 muscle was involved. So fragment of the nerve
11 was involved. So indirectly we know that not
12 all nerve was compro'mised.

13 Q. At that point then, after reviewing the EMG,
14 what was your prognosis?

15 A. Well, I consider her prognosis cautiously good.
16 Certainly it was early to make a final
17 conclusion about that. And I strongly encourage
18 her to consider physical therapy.

19 Factors which need to be considered in the
20 recovery from those are things like age,
21 conditions which involves the peripheral nervous
22 system, such as diabetes, kidney failure, other
23 major medical problems, which she did not have.

24 Q. Had you reached any conclusion by that point
25 whether the spinal accessory nerve was cut out

1 completely, cut somewhat or --

2 A. Again --

3 Q. -- stretched?

4 A. Again, I'm going to refresh to that and I'm
5 going to say what I can say is the nerve was

6 damaged for a reason or another and was probably
7 damaged about 75. The branch was damaged 75.

8 Not the nerve. The branch of the nerve

9 responsible for the upper trapezius muscle. And

10 that was by his statement, because he did a

11 compilation study on the right side and he

12 estimated the loss to the one side in the

13 compilation.

14 Q. Are you familiar with nerves known as cervical
15 rootlets?

16 A. Yes.

17 Q. Where are those located?

18 A. Those are nerves piercing or emerging from the
19 spinal canal and they are located immediately at
20 the exit of the nerves from the spinal canal.

21 Q. Would cervical rootlets be located in the area
22 of the spinal accessory nerve?

23 A. Yes.

24 Q. What's the function or purpose of cervical
25 rootlets?

1 A. In that area, most probably will be a sensory.
2 In other words, for the lay people, feelings
3 such as pain, tingling, numbness.

4 Q. In what part of the body?

5 A. In the upper portion of the neck.

6 Q. So you began physical therapy, correct?

7 A. That's correct, sir.

8 Q. Did you continue to see her from time to time?

9 A. Yes. She came to me back in a follow-up visit,
10 which is the customary way of taking care of
11 those people, on 7-15, which is roughly one
12 month.

13 Q. And how was she recovering?

14 A. At that time, there was prominence, the same
15 degree of weakness was present involving the
16 trapezius muscle as well as the rest of the
17 muscle. As I mentioned, supraspinatus and
18 infraspinatus was present from before. And I
19 made the comment that she started to compensate
20 with a portion of deltoid muscles and also
21 having some function, provided by the mid and
22 lower portion of the trapezius muscle,
23 compensating for the one lost in upper portion.
24 Q. Is that what normally happens in cases like this
25 where the accessory nerve is damaged?

- 1 A. In general, this happen with everybody's nerve.
2 Because, as I mentioned, as the time necessary
3 for the nerve to recover is invariably long,
4 muscle who survive, the muscle unaffected, those
5 fibers will get larger and will try to take over
6 the function which the muscle, the fibers which
7 the muscle lost.
- 8 Q. So nothing was happening in July to change your
9 belief that this was a spinal accessory nerve
10 neuropathy?
- 11 A. No, not at all.
- 12 Q. In fact, those findings would confirm that
13 conclusion?
- 14 A. Endorsed by the EMG.
- 15 Q. Did you refer Sandra Payne to a neurosurgeon?
- 16 A. I discussed with her the option. Usually what
17 happens is the fact that if you have let's say a
18 nerve injury for a reason or another, there are
19 some people in our medical world who dedicate
20 themselves to restructuring or helping the nerve
21 continuity and the function. And those usually
22 are osteopaths, physicians dealing with the
23 fractures and bones, and also neurosurgeons.
24 And I have discussed with her the possibility of
25 referring her to Dr. David Klein, who is a

1 professor of neurosurgery at Louisiana State
2 University, for the simple fact that he is one
3 of the most prominent figures in the world
4 taking care of the peripheral nervous system.
5 That was an option in case her nerve did not
6 show signs of healing.

7 Q. Did she ever go see Dr. Klein, to your
8 knowledge?

9 A. No.

10 Q. Did she see any other neurosurgeons?

11 A. Yes. She refer herself apparently to Dr. Joseph
12 Hahn, who is a neurosurgeon, and also at the
13 time, if I'm not mistaken, head of the
14 department of neurosurgery at Clinic.

15 Q. Other than any communication you had with him in
16 this case, are you familiar with him?

17 A. No. I received, if I'm not mistaken, somewhere
18 here, but nothing else besides that letter. I
19 did not speak on the phone and I did not --

20 Q. And what were his findings in his letter?

21 MR. JACOBSON: Objection.

22 Continuing line of objection to this line
23 of questioning, with counsel's permission.

24 MR. O'DONNELL: No problem. You
25 don't have to keep jumping in. That was

1 for the record.

2 A. Apparently he, we are more or less at the degree
3 of first line, because I was trained at the
4 Cleveland Clinic so we know each other. So
5 basically he reviewed the case, he reviewed the
6 EMG. And what he felt, there is a spasm in her
7 trapezius muscle on the left. However, I really
8 cannot document any weakness associated with
9 that. And I reviewed the MRI brought along, and
10 I do not see anything of surgical significance.

11 So I also reviewed the EMG with Kerry Levin
12 and I'm not sure if "this is, really confirms a
13 lacerated nerve.

14 Q. Did he have any more conclusions in there?

15 A. In any event, I told her we need to repeat the
16 EMG and we see her in the pain clinic to try to
17 get her, short of trying of preventive
18 intervention. And he concludes, his conclusion,
19 this will certainly not be an easy nerve to find
20 and, therefore, I think we should try to see if
21 recovers on its own. Bear in mind, I never ask
22 him opinion about if it's easy or hard to find
23 the nerve.

24 Q. Other than his comment on whether surgery might
25 or might not be appropriate, were his

1 conclusions essentially the same as yours?

2 MR. JACOBSON: Objection.

3 A. At this point, he explained, he expressed
4 himself, he made two statements. One of them,
5 he assumed that the nerve was lacerated and,
6 secondly, he felt that there was no need for a
7 surgical option at this point.

8 Q. In his comment there where he says that this is
9 not, I'm paraphrasing, but he says essentially
10 he doesn't necessarily know whether this
11 represents a lacerated nerve, was that pretty
12 much consistent with your conclusion?

13 A. No, no. I never say lacerated. I made the
14 statement the nerve was cut. And I'm going to
15 be more specific regarding that. See, whenever
16 you have surgery, you can have little hematoma,
17 little blood clot form in there. You can have a
18 number of traumas to the muscles, to the fat
19 under the skin, to the skin itself, which can
20 represent a compression to that nerve.

21 MR. JACOBSON: Objection. Move to
22 strike.

23 A. I didn't see, when you make that assumption that
24 the nerve was lacerated, you have to see the
25 specimen and the nerve was cut.

1 Q. Did you ever tell Sandra Payne that the nerve
2 was sliced or the nerve was cut or something to
3 that respect?

4 A. I never mentioned that in my --

5 Q. When was the last time you saw Sandra Payne?

6 A. I saw her the last time in March -- I'm sorry.
7 In April of 1997.

8 Q. And what findings, if any, did you make on
9 examination then?

10 A. At that time, I say that the motor system reveal
11 a most symptomatic confirmation of her neck. I
12 could not see further focal atrophy or
13 funiculation in the deltoid muscle as well as
14 the rest of the girdle muscles are entirely
15 normal.

16 Q. Had she made a good recovery up to that point?

17 A. From my point of view, certainly, sir. I did
18 not know the intention what she wanted to, how
19 she wanted to pursue, particularly after I was
20 faced with her self-referral to the Cleveland
21 Clinic. So it's a matter of choice.

22 Q. What degree of functional disability, if any,
23 did she have when you saw her last on April
24 15th, 1997?

25 A. She has had some limitation in her endurance in

1 doing different activities involving lifting of
2 the arm, both of shoulder, as she stated.

3 Q. Did you find any other functional limitations?

4 A. No, sir.

5 Q. In patients with spinal accessory nerve injury,
6 do you often observe drooping or sagging of the
7 shoulder?

8 A. It depends on the degree. Yes.

9 Q. Do you know whether she was exhibiting any
10 drooping or sagging of the shoulder?

11 A. Not at the time that I saw her.

12 Q. Would you put that in your note if she had it?

13 A. Oh, yeah. I would make a note of that.

14 Q. Do these patients with spinal accessory nerve
15 neuropathy occasionally experience a winging of
16 the scapula?

17 A. Again, winging of the scapula belongs to another
18 nerve. It's called long thoracic nerve. The
19 only way for them to experience that would be to
20 have a muscle atrophy of the upper portion of
21 the trapezius muscle, which in turn may create a
22 false impression that the scapula is winging,
23 because you automatically compare with the
24 opposite side.

25 Q. Did you find a winging of the scapula in this

1 case?

2 A. No.

3 Q. What is contracture?

4 A. Contracture, involuntary permanent muscle
5 straightening.

6 Q. Is that essentially where the muscle sort of
7 shrinks up?

8 A. That's correct.

9 Q. Have you observed contracture in patients with
10 spinal accessory nerve injury?

11 A. It depends when you examine them.

12 Q. Well, so in other words, yes, you have seen it
13 in spinal accessory nerve cases?

14 A. Sure. If you see them in say six months, one
15 year or more than that, yes.

16 Q. That was my next question. How quickly or
17 slowly would you expect contracture to develop?

18 A. Not sooner than six months properly treated with
19 physical therapy.

20 Q. What do you mean, if there's proper physical
21 therapy, it would not develop before six months?

22 A. Would prevent or mitigate the contracture to a
23 significant degree.

24 Q. How late would expect contracture to develop, if
25 it's going to develop at all?

1 A. That depends on the degree of injury and the
2 length of the nerve damage. For the jury and
3 for yourself, you have to realize that once you
4 have -- let's go back to the cutting of the
5 nerve. If you have a nerve cut, the nerve
6 itself will continue to be generated for a
7 period of weeks. After which the proximal
8 portion, means the portion closer to spinal
9 cord, will start to regenerate. And that
10 regeneration takes unfortunately one millimeter
11 a day or one inch a month. So, therefore, it
12 depends on the length of the injury to see
13 exactly how much time you have to allow.

14 Q. So everyone, if a nerve is totally cut out,
15 there may be some regeneration?

16 A. Yes.

17 Q. Will there always be regeneration or just sort
18 of depends?

19 A. Again, assuming that the nerve is not completely
20 cut, the chances to regenerate are great. If
21 the nerve is completely cut, you may have
22 regeneration defect.

23 Q. If contracture is going to develop, would you
24 normally expect to see that develop somewhere
25 along the lines of 20 months or more after the

1 injury?

2 A. That is very variable. It's unfair to make a
3 journalized statement, but, you know, that
4 should be something that would be very
5 fluctuating.

6 Q. Can contracture develop even after the shoulder
7 has been drooping for a long time?

8 A. Yes.

9 Q. And are there physical therapy exercises or
10 regimen which can decrease the severity of the
11 contracture?

12 A. Physical therapy exercises would be very
13 important in a sense that by doing the physical
14 therapy you will mobilize the joint. By
15 mobilizing the joint and maintaining a joint
16 mobile, you will have function of the muscle.
17 Therefore, you will prevent further contracture.

18 Q. Can that kind of physical therapy be done on a
19 home-exercise basis or does it have to be with a
20 physical therapist?

21 A. See, the things are changing in healthcare
22 industry now. Used to be that this has been
23 monitored by the physical therapist a number of
24 times per week with a number of minutes or half
25 an hour or whatever dedicated. Now, the things

1 may be just instructed to do a number of
2 exercises and see me in a week or something like
3 that. It's very variable. It's almost
4 impossible to compare.

5 Q. Are patients with spinal accessory nerve
6 neuropathy normally prevented from participating
7 in gainful employment?

8 A. I doubt.

9 Q. Now that we are roughly three years after her
10 surgery where the damage may or may not have
11 occurred, does anything in the case tell you one
12 way or the other how the damage to her spinal
13 accessory nerve occurred?

14 A. No. The only thing which I have in the long
15 range is the second EMG examination. The second
16 EMG examination say marked reinnervation in the
17 left upper trapezius muscle has occurred and
18 evoke motor amplitude has clearly improved.
19 Means when you do the EMG exam, you do two
20 things. You stimulate the nerve, you measure
21 the time and the amplitude of the response and
22 you measure the nerve and you measure the motor
23 response, which means you measure the state of
24 the muscle. So what he says here, he says that
25 he has, she has had substantial improvement in

1 comparison to 6-17-96; however, there is still
2 some motor units, means there's still some
3 fibers in the upper trapezius muscles which are
4 not completely recovered at this point. But he
5 doesn't say that it's hopeless.

6 Q. Based on everything you have in your chart and
7 everything that we've talked about today, there
8 is, can you, as a neurologist, say one way or
9 the other whether this nerve was stretched or
10 cut?

11 A. No.

12 MR. O'DONNELL: I don't have any
13 more questions for you. Thank you.

14 - - - -

15 CROSS-EXAMINATION OF A. ROMEO CRACIUN, M.D.

16 BY MR. JACOBSON:

17 Q. Doctor, I'm Bill Jacobson and I represent the
18 plaintiff and I just have a few questions for
19 you today.

20 A. Yes, sir.

21 Q. Dr. Keramati is a friend of yours, correct?

22 A. He's a colleague, yes. Absolutely, yes.

23 Q. He referred this patient to you initially; is
24 that correct?

25 A. That's correct, sir.

1 Q. In your file, I noticed a letter from
2 Mr. O'Donnell, defense counsel for Keramati, to
3 you requesting that he speak with you on the
4 phone regarding this claim.

5 Did you have an opportunity to speak with
6 Mr. O'Donnell prior to this deposition?

7 A. No.

8 Q. Now, one thing that you said to Mr. O'Donnell in
9 his direct examination I would like to follow up
10 on.

11 A. Please.

12 Q. And that is in the determination of whether or
13 not this was a traction injury or a transection
14 injury. You said you would have to see the
15 specimen?

16 A. That's correct.

17 Q. Now, you are referring to the pathology
18 specimen; is that correct?

19 A. That's correct.

20 Q. Did Mr. O'Donnell ever supply you with the
21 report of the pathologist that he retained to
22 review the specimen, Dr. Al Casey?

23 A. No.

24 Q. Did he ever supply you with the report of
25 Dr. McCarty, the pathologist retained by the

1 plaintiffs to look at the specimen?

2 A. No.

3 Q. Doctor, would the existence in the pathology
4 specimen of a five millimeter length of normal
5 appearing nerve of two millimeter diameter be
6 something that would be important in determining
7 whether or not there was a transection or a
8 traction injury?

9 A. Oh, yeah. Definitely.

10 Q. Doctor, let me just go briefly through your
11 notes with you. When you first saw this patient
12 on June 17th, you did some --

13 A. June 11th.

14 Q. Pardon me. June 11th. You did an examination.
15 You took a history. And you immediately came to
16 the conclusion that this patient probably had a
17 problem with her left spinal accessory nerve,
18 correct?

19 A. Uh-huh.

20 Q. That's a yes, doctor?

21 A. I'm sorry. Yes.

22 Q. You used the term neuropathy. Neuropathy could
23 mean a transected nerve or a nerve injured by
24 traction, either one, correct?

25 A. Correct. Very general term.

1 Q. And your exam, doctor, and I don't doubt that
2 you have excellent technique, but that's
3 something of a subjective exam when you evaluate
4 the strength of the shoulder, correct?

5 A. That's correct, sir.

6 Q. And, however, on July 17th, at your order, this
7 patient underwent an objective test known as an
8 EMG; is that correct?

9 A. Uh-huh. I'm sorry. Supposed to be objective.
10 And let me explain in this way. The objectivity
11 implies 100 percent of cooperation.

12 Q. Did you find this patient ever, doctor, to be
13 less than cooperative?

14 A. No, absolutely not. The issue is the amount of
15 pain and discomfort which the patient is willing
16 to take, you know, when they have the
17 examination.

18 Q. I understand. And that EMG demonstrated a
19 severe neuropathy electrically, correct?

20 A. That's correct. That's correct. Exactly.

21 Q. The second EMG that was done sometime later,
22 doctor, demonstrated some reinnervation, but
23 that could occur whether the nerve was
24 transected or damaged by traction injury,
25 correct?

1 A. Correct.

2 Q. Now, doctor, you commented with respect to the
3 first EMG that the sternocleidomastoid muscle
4 was unaffected, correct?

5 A. Uh-huh.

6 Q. But if you are doing surgery in the area of the
7 posterior triangle, or what is sometimes
8 referred to as the lateral triangle, you would
9 expect that portion of the spinal accessory
10 nerve is already below that portion which
11 innervates the sternocleidomastoid, correct?

12 A. That's correct. Minus the anatomical variation
13 in which more or less for a reason or another
14 different branches can occur randomly.

15 Q. Doctor, you also referred her for an MRI because
16 you wanted to rule out any significant problems
17 with the spinal nerves causing this and you were
18 able to rule that out, correct?

19 A. That's correct.

20 Q. But you felt that that treatment and expense was
21 necessary here, correct?

22 A. Yes. Considering the objective findings and
23 considering the, you know, age of the patient
24 and everything else.

25 Q. Doctor, on the office visit of July 15th, you

1 discussed with her the EMG results and the
2 severe problem that the EMG had shown, correct?

3 A. That's correct.

4 Q. Doctor, your notes indicate that she was
5 getting, pardon me, notes indicated her job
6 apparently is giving her a hard time. She is
7 working at a desk, papers and you made it very
8 clear that she is unable to sustain vigorous
9 activity, correct?

10 A. That is correct.

11 Q. Doctor, you also wrote a letter to her employer
12 on June 11th? !

13 A. Yes. To whom it may concern. Yes.

14 Q. Indicating that she is being seen by you and it
15 is your professional opinion that she should not
16 be involved in any activities that require
17 lifting, pushing, pulling or carrying anything
18 over five pounds until further notice, correct?

19 A. Uh-huh. Yes.

20 Q. You wrote a letter to Dr. Keramati on June 15th
21 indicating that you suspected her outcome would
22 be favorable; is that correct?

23 A. That's correct.

24 Q. That was prior to the time that you had seen the
25 EMG results, correct? The EMG was done June

1 17th, two days later. Is that correct, doctor?

2 A. That's correct.

3 Q. On July 15th, you wrote another letter for her
4 employment indicating Sandra Payne is under my
5 care, she suffered nerve damage to the left and,
6 pardon me, left neck and shoulder area and,
7 therefore, it is my professional opinion that
8 she should not lift, push or be involved in any
9 strenuous activities until further notice or
10 approximately three months?

11 A. That's correct.

12 Q. At which time you had intended to reevaluate her
13 and see if she could --

14 A. That's correct.

15 Q. This was indeed a motivated young lady, she
16 wanted to work, correct, doctor?

17 A. She says she wanted to work. And from what I
18 understand, to a certain extent, the employer
19 tried to accommodate her.

20 Q. Doctor, briefly, explain to the jury, if you
21 would, you use the term of the nerve supplying
22 the muscle or innervating the muscle.

23 Would you explain briefly how that works?

24 A. The nerve itself comes like a wire from the
25 spinal cord, which is the major trunk. And this

1 wire goes like a branch of a tree with small
2 buds approaching different group of muscles.
3 And what they do, they synchronize the action or
4 the contraction of different group of muscles,
5 gaining the command from the brain.

6 Q. Doctor, you haven't seen this patient in two
7 years?

8 A. No. Absolutely correct.

9 Q. Do you know Dr. John Conomy?

10 A. Very well.

11 Q. And what is your opinion of Dr. Conomy
12 professionally?

13 A. I'm very biased because Dr. John Conomy was my
14 mentor, teacher and many other things.

15 Q. Putting that bias aside, as best you can?

16 A. He is one of the prominent neurologists in the
17 country.

18 Q. Of course, Dr. Conomy has seen her much more
19 recently than you have?

20 A. That's correct. I suppose.

21 Q. Well, assuming that he has, doctor, has seen her
22 more recently, would you defer to him regarding
23 her prognosis at this time?

24 A. Well, certainly he's more, you know, acquainted
25 with this situation than me considering the

1 facts. Yeah.

2 Q. Now, doctor, this patient has had a relatively
3 good recovery from this injury, correct?

4 A. That's absolutely correct, sir.

5 Q. But once again, we're talking about, as a
6 relative thing, you would not expect a complete
7 recovery under these circumstances, would you?

8 A. See, the problem is what I expected is
9 considering the way in which the second EMG was
10 done, I consider functionability to be very
11 acceptable.

12 What you have to take in account is the
13 fact that for a period of time she probably
14 misused different muscle groups creating a
15 strain in the joint, creating the pain. So we
16 are dealing with a more or less indirect or
17 vicious cycle related to the function of the
18 joint itself.

19 And other things which I would like you to
20 take into account is the vanity. You are
21 dealing with a young woman who likes to wear
22 dresses or whatever and certainly will be
23 somewhat frustrated by perhaps some isometric
24 features of her shoulders.

25 Q. Doctor, are you suggesting that because in her

1 effort to stay working and keep working and in
2 an effort to compensate for this she may have
3 contributed to the problem? Is that what you
4 are suggesting?

5 A. No. What I suggest is the fact that because of
6 the use of the joint itself, the joint can
7 create further trauma. That's the reason.
8 Because I wrote those letters to the employer to
9 try to avoid strenuous activity and the process
10 of working on the joint waiting for the nerve to
11 recover.

12 Q. So, doctor, I think, 'if I can understand what
13 you are saying here, and you mentioned it to
14 Mr. O'Donnell, that certainly that somebody with
15 a spinal accessory nerve injury is employable,
16 but the probability is they shouldn't be doing
17 heavy work; is that a fair statement?

18 A. Yeah. To a certain extent, yes. In other
19 words, let's put it this way, she will not be
20 probably as competitive as her co-workers with
21 respect to the endurance among other things.
22 Yes.

23 a. Dr. Conomy has seen her, she does have a
24 significant degree of contracture. Now, doctor,
25 once again, what causes the contracture?

1 A. Again, the contracture itself can be a result of
2 multifactorial problems. And to be more
3 explicit to the jury, I would like to explain to
4 them that once you have a pain in a joint, you
5 don't use the joint, not using the joint, you
6 create more loss of the muscle, which in turn
7 will predispose other groups of muscles to
8 contracture.

9 Q. I see. So the contracture, doctor, is some
10 subjective evidence of the pain and the
11 disability that she's had in the muscle over the
12 years, correct?

13 A. And probably misuse of the shoulder itself,
14 yes.

15 Q. I'm still not sure I understand what you mean by
16 misuse. Overuse, is that what you mean?

17 A. Well, let's put it this way: When we lift our
18 hand in one direction or another, 90 percent of
19 us are using specific group of muscles. Now,
20 when we have some weakness for a reason or
21 another, we try to compensate with the other
22 group of muscles at the price of straining the
23 joint.

24 Q. And that's something that somebody who has a
25 loss of the function of one muscle group would

1 have to do?

2 A. Yes.

3 MR. JACOBSON: I have no further
4 questions, doctor.

5 - - - -

6 REDIRECT EXAMINATION OF A. ROMEO CRACIUN, M.D.

7 BY MR. O'DONNELL:

8 Q. Are there exercises and physical therapy that
9 she can do to reduce that sort of misuse of the
10 muscle and get the muscle more closer back to a
11 normal state?

12 A. Yes, sir.

13 Q. Could she --

14 A. In the long range, this would be very important,
15 because the physical therapy, again, will
16 maintain, will preserve the mobility of the
17 joint. Therefore, it will create function in
18 the joint and help the muscles stay functional.

19 Q. Assuming she's experiencing this contracture
20 now, which is again, roughly three years after
21 the injury, can physical therapy still help her?

22 A. Yes.

23 Q. By physical therapy at this time, you try to
24 prevent further damage?

25 A. You do not know how much damage she can have in

1 the future.

2 Q. Can it help her regain some of the use that she
3 has lost?

4 A. Sure. An injury at this time can be predisposed
5 to many things. Arthritis, calcium deposits
6 which will further damage the joint. By doing
7 physical therapy, you prevent that.

8 MR. O'DONNELL: I have no more
9 questions for you. Thank you.

10 MR. JACOBSON: Thanks very much,
11 doctor. Off the record.

12 - - - -

13 (Thereupon, a discussion was had off
14 the record.)

15 - - - -

16 THE WITNESS: Yes, I waive.

17 (Signature waived.)

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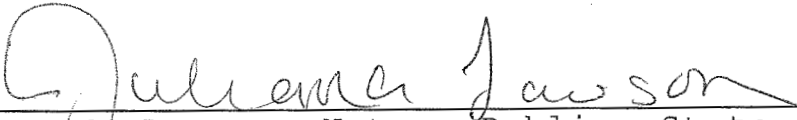
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C E R T I F I C A T E

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

I, Juliana M. Lawson, a Notary Public within and for the State of Ohio, authorized to administer oaths and to take and certify depositions, do hereby certify that the above-named A. ROMEO CRACIUN, M.D., was by me, before the giving of his deposition, first duly sworn to testify the truth, -the whole truth, and nothing but the truth; that the deposition as above-set forth was reduced to writing by me by means of stenotypy, and was later transcribed into typewriting under my direction; that this is a true record of the testimony given by the witness, and the reading and signing of the deposition was expressly waived by the witness and by stipulation of counsel; that said deposition was taken at the aforementioned time, date and place, pursuant to notice or stipulation of counsel; and that I am not a relative or employee or attorney of any of the parties, or a relative or employee of such attorney, or financially interested in this action.

IN WITNESS WHEREOF, I have hereunto set my hand and seal of office, at Cleveland Ohio, this 19 day of April A.D. 1999.


Juliana M. Lawson, Notary Public, State of Ohio
1750 Midland Building, Cleveland, Ohio 44115
My commission expires March 10, 2000

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