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IN THE COURT OF COMMON PLEAS

5 PAUL CASTNER, et al.,)
)
6 Plaintiffs,)
)
7 -vs-) Case No. 365116
) Judge Kenneth Callahan
8 R&J TRUCKING, et al.,)
)
9 Defendants.)

10 - - - - -
11 Videotaped deposition of MICHAEL W. KEITH, M.D.,
12 a witness herein, called by the plaintiffs as if
13 upon direct examination under the statute, and
14 taken before Suzanne Lamparter, Court Reporter and
15 Notary Public within and for the State of Ohio,
16 pursuant to the agreement of counsel, and pursuant
17 to the further stipulations of counsel herein
18 contained, on Tuesday, the 23rd day of May, 2000,
19 at 5:00 p.m., at Metrohealth Medical Center, 2500
20 Metrohealth Drive, City of Cleveland, County of
21 Cuyahoga and the State of Ohio.

22 | Page

1 APPEARANCES:

2 On behalf of the Plaintiffs:

3 Nurenberg, Plevin,
4 Heller & McCarthy Co., L.P.A., by:
5 DAVID M. PARIS, ESQ.
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Cleveland, Ohio 44113
(216) 621-2300

7 On behalf of Defendant R&J Trucking:

8 Ulmer & Berne, L.L.P., by:
9 CASH H. MISCHKA, ESQ.
10 900 Bond Court Building
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Cleveland, Ohio 44114
(216) 621-8400

11 On behalf of Defendant BFI:

12 Baker & Hostetler, L.L.P., by:
13 MARY M. BITTENCE, ESQ.
14 3200 National City Center
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(216) 861-7293

15 Also Present:

16 David Tackla, Videographer

17 - - - - -

18 (Whereupon, Plaintiffs' Exhibit
19 Nos. 1 through 4 were marked for
20 identification at this time.)

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1	OBJECTIONS	
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PROCEEDINGS

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MR. PARIS: On a serious note, I want to ask defense counsel whether they will waive any defects in notice, service of the notice of deposition. Will you do that?

MS. BITTENCE: Sure. I don't think there were any.

MR. PARIS: I don't think there were either.

MR. MISCHKA: Yes.

MR. PARIS: I will also ask you whether you will waive the filing requirement of the deposition, the one-day filing requirement, in the event that it gets lost between my office and the courthouse.

MS. BITTENCE: So long as we can have that agreement on any of the depositions.

MR. PARIS: For both sides.

Will you waive the requirement that I file the videotape and allow me to keep it and bring it down to trial so it doesn't get

1 lost down at the courthouse?

2 MS. BITTENCE: My only concern
3 about that, David, is if there are
4 objections it has to be filed enough in
5 advance to allow the court to rule on the
6 objections.

7 MR. PARIS: I'm just saying
8 about the videotape.

9 MR. MISCHKA: As long as you
10 file a transcript. I don't have an
11 objection as long as you file a transcript.

12 MR. PARIS: As a practical
13 matter, we know that most of the judges rule
14 on objections ten minutes before trial.

15 MS. BITTENCE: Sure.

16 MR. MISCHKA: But some attorneys
17 don't get a transcript and they just go
18 ahead with the video. That's what I'm
19 concerned about.

20 MR. PARIS: No, we'll have the
21 transcript.

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23

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25

1 MICHAEL W. KEITH, M.D., a
2 witness herein, being of lawful age, having been
3 first duly sworn according to law, deposes and
4 says as follows:

5 - - - -

6 DIRECT EXAMINATION

7 BY MR. PARIS:

8 Q Doctor, will you please state your full name
9 for the jury?

10 A My name is Michael Warren Keith, M.D.

11 Q And what is your professional address?

12 A 2500 Metrohealth Drive, Cleveland,
13 Ohio 44109.

14 Q And you are a medical doctor?

15 A That's correct.

16 Q And when were you licensed to practice
17 medicine in Ohio?

18 A 1973.

19 Q And are you licensed in any other states?

20 A Yes, I'm licensed in Pennsylvania and I have
21 privileges in Indiana, California, Australia,
22 several other places.

23 Q Do you have a specialty?

24 A Yes, I specialize in orthopedic surgery and
25 specifically surgery of the hand.

1 Q And can you tell us what orthopedic surgery
2 is?

3 A Orthopedic surgery is the specialty
4 involving nerves, muscles, bones and joints. The
5 diseases are treated by surgical and conservative
6 means, medication, exercise.

7 Q And since you're going to be expressing
8 opinions as an expert in this case will you tell
9 us a little bit about your credentials, your
10 education, background, and training that allows
11 you to do so?

12 A Yes. I have bachelor's degree from
13 Case Western Reserve, a medical degree from
14 Ohio State University, I received training in
15 general surgery at Yale New Haven Medical Center,
16 I completed an orthopedic residency at
17 Case Western Reserve University and then a hand
18 fellowship in Philadelphia at Thomas Jefferson.

19 I'm currently a professor of orthopedics
20 and biomedical engineering at Case Western
21 Reserve.

22 I've been on the faculty of
23 University Hospitals, Metrohealth Medical Center,
24 Southwest General Hospital since 1979 and
25 currently practice a very specialized practice in

1 hand surgery.

2 Q All right. You're board certified?

3 A I've been board certified since 1981 and I
4 have a certificate of added qualification in
5 surgery of the hand.

6 Q Can you name some of the medical
7 organizations and societies to which you belong?

8 A I belong to all the major orthopedic
9 societies, including the honorary and the research
10 groups such as the American Orthopedic
11 Association, the American Academy of Orthopedic
12 Surgery, the American Society for Surgery of the
13 Hand, Society for Neuroscience, and many others.

14 Q I take it you have published articles in
15 your field of expertise?

16 A Yes, I have. I've published a number of
17 articles regarding injuries, especially severe
18 neurologic injuries.

19 Q And have you participated in writing any
20 chapters in any medical books, things of that
21 nature?

22 A At this stage I've published about a dozen
23 book chapters.

24 Q And with which hospitals in our community do
25 you have staff and courtesy privileges?

1 A I have privileges at the Veteran's
2 Administration, University Hospitals, Southwest
3 General, Metrohealth Medical Center, and then
4 other practice arrangements with all the other
5 hospitals.

6 Q And tell us a little bit about your
7 teaching. You teach medicine, do you?

8 A I teach orthopedic surgery and biomedical
9 engineering.

10 Q At the medical school here in town?

11 A That's right.

12 Q All right. And you're involved in teaching
13 residents here at the hospital?

14 A I teach residents, fellows, graduate
15 students, and undergraduate students, and medical
16 students from other medical centers.

17 Q You're involved in teaching almost every
18 day?

19 A Yes.

20 Q Would you tell us, Doctor, in your
21 professional capacity you had occasion to see
22 Paul Castner?

23 A Yes. I evaluated Mr. Paul Castner in
24 October of 1999 as a second opinion regarding the
25 outcome in this case.

1 Q All right. Can you tell us what history you
2 obtained from him?

3 A Mr. Castner, at the time of my examination,
4 was 37 years old and he was a left-handed truck
5 driver who was injured in a fall and treated by
6 other physicians on September 16, 1997.

7 At the time of his injury he couldn't
8 describe exactly what his injuries were himself
9 because they were all internal to the arm, but he
10 knew that he had a severely damaged wrist.

11 Q And in connection with that evaluation did
12 my office send you a copy of his medical records?

13 A Yes. I received medical records which
14 included a summary by his treating physician,
15 Dr. McCue, operative notes, and office notes.

16 Q All right. And you had an opportunity to
17 review those materials as well?

18 A Yes, I have.

19 Q Can you tell us a little bit about the
20 complaints that Paul expressed to you?

21 A At the time I had seen him he had completed
22 treatment, both surgery, rehabilitation, and
23 exercise, and the interval between the time of his
24 injuries, September 1997, and October 1999 is
25 approximately two years.

1 At two years he was complaining of pain,
2 weakness, and limited range of motion of the
3 wrist. This is his left wrist and he's
4 left handed.

5 Q Okay. If we can, I'd like to help the jury
6 understand what happened to this man.

7 A Uh-huh.

8 Q And if we can start early on when he fell,
9 can you tell us about the injuries and whatever
10 you want to use, a model to help demonstrate that
11 or any X-rays to help demonstrate that, just let
12 us know. We'll stop, we'll go off the record with
13 the videographer and get set up.

14 A All right. For the purposes of assisting
15 the jury I'm referring to the records of the
16 original treating physician since I didn't treat
17 him at the time.

18 And the medical history that was given
19 to the surgical team when he was first examined
20 was that he had fallen six feet from a wall onto a
21 concrete landing. So it's a fall from a great
22 height. It's his whole body weight going onto his
23 left wrist. This represents the energy that had
24 to be expended in the injury itself.

25 When he was seen at the Solon Medical

1 Center emergency room they took X-rays and they
2 noted that the bones of the wrist were
3 disorganized or out of position. There was an
4 attempt immediately to try and put the bones back
5 into place by manipulating those various bones.
6 And I'll describe those in a second. They then
7 applied a splint to protect the wrist further.

8 They noted at the time the man had
9 fallen on his arm that his hand was numb and they
10 were concerned that this numbness was due to
11 pressure on a nerve. The numbness, according to
12 the record, improved after that initial reduction.
13 Some of the X-rays and some of the other
14 documentation which we have occurred after those
15 initial attempts.

16 So I'll now go on to describe some of
17 the parts of the hand and wrist that will be
18 important to see on X-ray.

19 MR. PARIS: Okay. Let's go off
20 the record one moment, please.

21 THE VIDEOGRAPHER: Off the record.

22 - - - - -

23 (Whereupon, discussion was held off the
24 record at this time.)

25 - - - - -

1 THE VIDEOGRAPHER: Back on the record.
2 BY MR. PARIS:

3 Q Doctor, we have a model. Is that an
4 anatomically correct model of the hand?

5 A Yes. This is an anatomically correct model
6 of the hand, wrist, and the forearm bones. This
7 is the left hand of the replica of the human
8 skeleton.

9 In this particular model I want to show
10 you the large bone here called the radius, the
11 smaller bone called the ulna, these are obviously
12 the fingers, and in between those two is the
13 wrist. You can see some metal attachments and
14 wires that hold the bones in place in order to
15 make the model hold together.

16 The bones that are most important for
17 you to recognize are the scaphoid, the lunate, the
18 triquetrum, and the capitate. Scaphoid, lunate,
19 triquetrum and capitate. They form the bones in
20 the center of the wrist.

21 The scaphoid, lunate, and triquetrum are
22 part of the proximal row. That is the row that is
23 closest to the body, therefore it's called
24 proximal.

25 The other parts of the wrist, the other

1 bones of the wrist are called the distal row.
2 This is the radius and this is the styloid of the
3 radius. During normal alignment, the wrist
4 touches the radius and that allows movement as I'm
5 showing here, movement up and down, and then
6 rotation of the wrist back and forth.

7 In this particular case on the X-ray,
8 which is not as well seen as this model, there is
9 a fracture involving the radial styloid.

10 And then in this model we see wires
11 holding all the bones together in alignment. In
12 life there are ligaments or parts of fibrous
13 tissue which hold all of these bones together and
14 are invisible on X-ray. So that on the X-ray
15 we'll see the outline of the bones, the
16 relationship with each other, and the relationship
17 to the radius.

18 In this particular injury which
19 Mr. Castner sustained when he fell, he put the
20 weight of the body on the hand and then everything
21 collapsed together. In the collapse when he fell
22 from the height, the ligaments between the bones
23 tore. When he was seen in the emergency room they
24 attempted to line them back up by putting them in
25 a splint, but that alignment was imperfect. It

1 was for this reason that the patient was referred
2 for specialty care.

3 I'll now show the same X-rays.

4 Q All right. Thank you, Doctor.

5 MR. PARIS: Let's go off the
6 record.

7 THE VIDEOGRAPHER: Off the record.

8 - - - - -

9 (Whereupon, discussion was held off the
10 record at this time.)

11 - - - - -

12 THE VIDEOGRAPHER: Back on the record.

13 B MR. PARIS:

14 Q Doctor, we have an X-ray which is marked as
15 Exhibit 1. When was that film taken and where?

16 A This X-ray was taken at St. Thomas Medical
17 Center on September 16, 1997. It's an X-ray in
18 which the hand is seen on the side view and the
19 top view, like this and like this, and the white
20 line you see on the outside is the splint that was
21 applied in order to protect the arm during
22 transportation.

23 As I mentioned before, the doctors were
24 concerned that the alignment was imperfect and
25 that this splint alone would not represent

1 definitive management.

2 What can be seen on this splint is a
3 foreshortening of the alignment between the
4 proximal and distal rows and a widening of spaces
5 between bones. The widening of spaces indicates
6 that the ligaments are disrupted and the
7 foreshortening of the arm is an indication of the
8 amount of laxity or lax state of those bones.
9 They can't support themselves and they can't be
10 supported by a protective splint. Other
11 treatment's needed.

12 3 So as a result of that imperfect alignment,
13 what had to be done?

14 A The patient was referred to a specialist,
15 Dr. McCue, who is an expert in correcting these
16 sorts of disorders, and he performed an operation
17 in which there was an incision made and the
18 alignment of the bones was restored, including
19 fixation with screws, wires, and these small
20 anchors which are used to hold the ligaments
21 together.

22 In the best of circumstances these
23 ligaments then heal themselves and become more
24 rigid and the alignment is preserved. In the
25 worst of cases where the ligament healing is

1 imperfect, further subsidence occurs at a later
2 date and in that case other treatment's required.

3 Q Can you describe what we're seeing there and
4 the injuries, specifically the injuries that that
5 hardware was used to repair?

6 A Each one of these wires or screws has a
7 specific function. This screw, for example, holds
8 down the fragment of the radial styloid. This
9 wire keeps it from rotating. These wires keep
10 these bones in alignment and these anchors tie the
11 various ligaments to one another.

12 Q Okay. So in his -- in his -- he fractured
13 the radius, the styloid radius?

14 A Radial styloid.

15 Q And he had dislocations of some of the
16 carpal bones?

17 A Yes, We surmise from the alignments that we
18 saw in the operative note that it includes the
19 scaphoid, lunate, and triquetrum.

20 Q And in addition to that he had ruptures of
21 the ligaments that held those carpal bones
22 together?

23 A Correct.

24 Q Did you see any notation about any hematoma
25 around the median nerve?

1 A Yes, that was noted and that would be
2 expected with an injury of this magnitude.

3 Q And what is a hematoma?

4 A The word hematoma means a collection of
5 blood. In this particular case we know from the
6 initial record that the patient had numbness in
7 the -- around the median nerve, which gives
8 feeling to the thumb, index, long, and half of the
9 ring finger. So that seeing a hematoma in the
10 area where there had been the worst dislocation
11 would be fully consistent.

12 Q And by the way, Doctor, is this a surgery
13 that you're familiar with?

14 A Yes, I've performed this operation before.

15 Q Okay. Are there any more demonstrative
16 exhibits that we can use to help the jury
17 understand?

18 A Mr. Castner had the operative procedure and
19 his ligaments in fact were weak. They did not
20 heal to the degree that the patient or the surgeon
21 were satisfied in the long run.

22 Mr. Castner had a second surgical
23 procedure in which those damaged bones and the
24 ligaments which were disrupted were removed. This
25 is an operation called proximal row carpectomy.

1 It means that the proximal row of bones are
2 removed. The word carpectomy means to remove a
3 carpal bone. This operation is designed to allow
4 the bones with the best surfaces to touch one
5 another and is designed to preserve as much range
6 of motion as is practical.

7 The alternative surgical procedure at
8 this stage of management is to completely fuse the
9 wrist by placing a metal plate across the wrist
10 joint, removing all range of motion; flexion,
11 extension, radial and ulnar deviation, all the
12 movements of the wrist. That procedure would be
13 chosen either by a person who wishes to have a
14 very quick result or who has extreme pain or in
15 which the joint surfaces are so badly damaged that
15 this operation can't be performed.

17 In most cases of ligament disruption and
18 bone disruption as we've seen, the patients and
19 surgeons today would choose this procedure.

20 Q Okay. The proximal row carpectomy that
21 you've just described and which is shown in
22 Exhibit 3, that X-ray there, that's the removal of
23 the three carpal bones --

24 A That's correct.

25 Q -- that were damaged?

1 A Scaphoid, lunate, and triquetrum.

2 Q Okay. And that was as a result of those
3 three bones not being able to be aligned
4 appropriately?

5 A A failure of alignment and a failure of
6 healing of ligaments.

7 Q All right. We have one last film that was
8 taken when you saw him in October of '99?

9 A Yes. This is the most recent X-ray taken in
10 this case and it shows some further improvement
11 and also some areas of concern.

12 The improvement is that the bone density
13 is better. The patient's been using the wrist
14 more. There is a diminished or narrowed joint
15 space at the wrist which may indicate in the
16 future that there's not a full amount of cartilage
17 or supporting joint there.

18 There are also some bony fragments
19 around the wrist which appear on the original
20 X-rays and on these X-rays. They're a little more
21 mature on this series. This could be a source of
22 a problem in the future either as a loose body if
23 it becomes impacted in the joint or they may be
24 rough and irregular because they're not the smooth
25 contours that the wrist expects of itself. But at

1 this stage the range of motion and his strength
2 have been documented.

3 Q Okay.

4 MR. PARIS: Why don't we go off
5 the record now?

6 THE VIDEOGRAPHER: Off the record.

7 - - - - -

8 (Whereupon, discussion was held off the
9 record at this time.)

10 - - - - -

11 THE VIDEOGRAPHER: Back on the record.

12 BY MR. PARIS:

13 Q Before we get to your physical exam, as part
14 of the medical history did you spend some time
15 talking to Paul about his returning to work as a
16 truck driver and the type of things that he does
17 and has difficulty doing?

18 A Yes, I did. Specifically because this is an
19 interval of two years we were interested in what
20 he was able to achieve with this series of
21 surgical procedures. He has a particularly
22 demanding job. Because he's a truck driver he
23 also has to do loading and unloading and he has to
24 use the equipment that attaches to the truck
25 itself. In my report I've listed some of these

1 specific activities.

2 He had difficulty with lifting 30 to 40
3 pounds over the course of his work day,
4 specifically disengaging the trailer hitch, which
5 requires disengaging a forceful handle and a
6 locking device.

7 He had trouble with dangling his wrist
8 and flexion, which is this position that I'm
9 demonstrating. This is one of the extremes of
10 range of motion. This is the other extreme that
11 are permitted by the proximal row carpectomy
12 procedure. It's at the extremes of range of
13 motion in both directions that most patients do
14 have their pain. They're usually comfortable in
15 the mid range.

16 And the most difficult tool that he had
17 to use was one called a pallet jack where he
18 obviously lifts pallets up into the air while
19 loading and unloading trucks, and this particular
20 activity produced pain during the end of the day.

21 He described taking only aspirin as a
22 pain medication and wearing a brace for the
23 heavier work and for personal activities such as
24 gardening.

25 He also notes that there has been a

1 limitation of range of motion, strength, and pain
2 at the extremes of range of motion compared to his
3 opposite arm obviously. And I introduced the word
4 crepitation, which means a clicking or crackling
5 sound or sensation which is often present in a
6 severely damaged joint.

7 Q Did you get a personal history from him
8 about his disabled daughter?

9 A He mentioned that he had responsibility for
10 caring for a disabled daughter and that included
11 lifting her and moving her, bathing her, something
12 most of us don't have to do.

13 Q Did you perform a physical examination?

14 A Yes, I did.

15 Q Would you tell us about that?

16 A I examined objectively the range of motion
17 that could be produced by my examination rather
18 than just his range of motion and I examined it to
19 the point of maximum pain and bony limitation,
20 which shows 30 degrees of wrist flexion, which
21 I'll show here. This is about 30 degrees. The
22 normal range of motion would be more -- more like
23 60. And then wrist extension in his case was
24 40 degrees and a normal range would be even
25 greater, 60 or 70 degrees. So he has about half

1 the normal range of motion in this particular
2 plane.

3 In the other plane, which is side to
4 side motion that I'm showing here called radial
5 and ulnar deviation, he has approximately normal
6 range of motion compared to a group of normal
7 adults and compared to his opposite arm.

8 In assessing range of motion in rotation
9 as I'm showing here there are two different words
10 to remember, supination and pronation. And in
11 each case there should be 90 degrees of each
12 movement. He had 60 degrees of supination, which
13 means he went to 60 degrees instead of 90 degrees.
14 Otherwise his motion, the fingers, the other parts
15 of the hand and the shoulder, were within normal
16 limits.

17 I examined specifically for loss of
18 sensation and the distribution of the median
19 nerve, the nerve that originally had numbness
20 where he had the hematoma and where he might have
21 expected to have recovered at the end of two
22 years. The pin prick sensation at this point was
23 normal. He did not have any evidence of permanent
24 nerve injury.

25 I also looked at the small muscles of

1 the hand which are governed or controlled by that
2 same nerve and they showed no evidence of
3 paralysis, atrophy, or other effects from the
4 nerve injury.

5 His wounds were healed, both the volar
6 and dorsal wounds that were created by the
7 surgical procedures, and they were not a source of
8 particular concern other than localized tenderness
9 and numbness around the incision, both which would
10 be expected.

11 I measured his grip strength at
12 30 kilograms on the left and 40 kilograms on the
13 right. Both are low normal measurements -- I'm
14 sorry. They're lower than normal measurements and
15 are less than half of normal grip strength. So he
16 could be much stronger than this for his age,
17 being only 37, and in his dominant hand.

18 I reviewed the X-rays, including the new
19 films which I obtained, and I have just shown
20 those to the jury.

21 Q Let's talk a little bit about the films that
22 you took.

23 A Uh-huh.

24 Q What did those films show?

25 A The films showed the appropriate changes in

1 the wrist that one would see after a properly done
2 proximal row carpectomy. There are no technical
3 problems with the surgical procedure or the
4 management.

5 The retained chips of bone which we saw
6 are within the margins of ligaments as they would
7 have attached to those bones. They can with time
8 get larger and they seem to be maturing in that
9 way between the previous X-rays and the most
10 recent X-rays. In that sense they're a bit
11 larger.

12 The crepitation that I've described and
13 he described to me could be a result of bones
14 rubbing against the loose particles or they could
15 also be on the joint surface. That would be a
16 more ominous sign and I would have to put together
17 the crepitation with the X-ray appearance and link
18 those two.

19 Q In your opinion to a reasonable degree of
20 medical probability is there evidence of
21 post-traumatic changes, arthritic changes in that
22 joint?

23 A Yes, there are.

24 Q And is that something that you would expect
25 to see after an injury such as this?

1 A Yes, we would.

2 Q Okay. Let's talk a little bit, Doctor,
3 about some opinions that you hold.

4 First of all, do you have an opinion to
5 a reasonable degree of medical probability -- and
6 all the opinions that I'm going to ask you today
7 are -- I would like you to assume that they are
8 based upon a reasonable degree of medical
9 probability and/or certainly, okay?

10 A Yes, sir.

11 Q In your opinion, what were the injuries that
12 Paul sustained in this accident?

13 A Mr. Castner sustained an injury to his left
14 wrist in which he had dislocations of the proximal
15 row of the left wrist and a contusion of the
16 median nerve.

17 Q And in your opinion to a reasonable degree
18 of medical probability were those injuries caused
19 by his fall?

20 MR. MISCHKA: Objection.

21 MS. BITTENCE: Objection.

22 A In my opinion based on my review of the
23 medical records those injuries were caused by the
24 initial injury.

25 Q Let me rephrase the question since there are

1 objections.

2 Do you have an opinion to a reasonable
3 degree of medical probability what was the cause
4 of those injuries?

5 MR. MISCHKA: Objection.

6 MS. BITTENCE: Objection.

7 A I have an opinion.

8 Q What's your opinion?

9 A My opinion is that the injuries which we
10 have seen and I've shown to the jury were caused
11 by the fall.

12 Q Okay. In your -- do you have an opinion to
13 a reasonable degree of medical probability as to
14 whether the care and treatment that Paul received
15 following his accident were reasonable and
16 necessary by virtue of his injury?

17 A Yes, I have an opinion.

18 Q What's your opinion?

19 A My opinion is that all the medical care
20 which I documented for the jury here was
21 reasonable, appropriate, and well advised.

22 Q Let's talk a little bit about Paul's
23 prognosis.

24 First of all, do you have an opinion to
25 a reasonable degree of medical probability as to

1 what his prognosis is?

2 A Yes, I do.

3 Q And did you spend some time in your report
4 discussing that?

5 A Yes, I did.

6 Q In your opinion to a reasonable degree of
7 medical probability and/or certainty, what is
8 Paul's prognosis?

9 MR. MISCHKA: Objection.

10 MS. BITTENCE: Objection.

11 A My opinion is that Mr. Castner is unlikely
12 to recover normal strength, range of motion, or
13 pain relief as a result of all the treatment that
14 he's received because of the severity of the
15 injury, and that this condition will continue on
16 permanently into the future. It will not improve
17 from where it is.

18 The limits of strength which we noted at
19 about 30 kilograms of strength are considered a
20 good result from a proximal row carpectomy.
21 Therefore -- that is in terms of published
22 results. So therefore I would not expect it
23 statistically to improve.

24 I'm concerned with respect to the
25 prognosis I discussed with him about the

1 durability of this particular reconstruction for a
2 lifetime of heavy labor. Because he does not have
3 a normal articulation, nor the number of bones
4 within the wrist, nor the normal ligamentous
5 strength, nor the normal range of motion to either
6 manipulate objects, or absorb shock, or to evade
7 injury, that these stand against him continuing on
8 at the way he is now.

9 There's further evidence that the X-ray
10 is very abnormal and that my concern would be that
11 this will continue to worsen over time if he
12 continues in heavy labor.

13 Q Is this the typical way that this injury
14 progresses? Does it progressively deteriorate?

15 A It can. And it can and will if people
16 continue to use their wrist in a heavy labor
17 occupation.

18 We counsel -- and that's part of the
19 prognosis here is we counsel the injured person
20 against continued and sustained reinjury to a
21 wrist which is already severely injured.

22 Q Of the history that he's a truck driver,
23 requiring to manipulate wheels and to do the types
24 of things that he's already described to you, do
25 you consider that to be heavy manual work and

1 stressful on the wrist?

2 MS. BITTENCE: Objection.

3 A Yes. In my opinion the type of work which
4 he described to me, including driving a truck,
5 unloading, using a pallet jack, and securing loads
6 is heavy labor and it's the type of heavy labor
7 that would aggravate an already damaged wrist.

8 Q So let's assume for the moment that Paul
9 continues on in his -- in the occupation that he's
10 pursued for the past several years. Under those
11 circumstances, in your opinion to a reasonable
12 degree of medical certainty what will occur with
13 his wrist --

14 MR. MISCHKA: Objection.

15 MS. BITTENCE: Objection.

16 Q -- at some point in the future?

17 A First of all, I would counsel him that he
18 should continue wearing a brace as he was wearing
19 when he came to see me for the first time and that
20 this is good additional protection against injury.
21 So he certainly would have to continue with the
22 brace.

23 Secondly, he should make every effort to
24 change his job so as to produce less injury to his
25 left wrist. This might include using his right

1 wrist for activities that now he uses his left
2 for. He might also want to consider doing work
3 which is less physically demanding and he might
4 have an opportunity to retrain or to limit the
5 stress to his left wrist.

6 His job title doesn't necessarily have
7 to change. He can continue being a truck driver.
8 But the exact demands of the job itself have to
9 change or his wrist will deteriorate.

10 Q And then what happens?

11 A Well, his options after time are for a
12 natural stiffening to occur in the wrist because
13 pain will limit range of motion or for a further
14 surgical stiffening of the wrist called
15 arthrodesis or fusion in which a metal plate is
16 placed in the wrist to prevent motion.

17 If that operation were to be done or if
18 the wrist were to stiffen naturally, then he would
19 lose more range of motion. In either case he
20 would likely have less pain because he would be
21 using the range of motion less.

22 Persons who have choice about their
23 occupation or their life would likely choose to
24 make the wrist stiff by bracing, reduction of
25 activity, or a surgical procedure.

1 Q What's the down side from a functional
2 standpoint of having a stiff wrist?

3 When you talk about fusing the wrist,
4 can you show us what he'll have?

5 A On the same model as I showed you before, if
6 a metal plate were placed in this position it
7 would limit the motion up and down obviously and
8 side to side. He would still retain the
9 rotational movements. So he would lose the
10 60 degrees of flexion and extension and the
11 45 degrees of radial and ulnar deviation which we
12 currently measured.

13 Q Why wouldn't somebody just opt to have that
14 done now and eliminate the pain? What's the down
15 side of doing that --

16 MS. BITTENCE: Objection.

17 MR. MISCHKA: Objection.

18 Q -- from your experience as an orthopedic
19 surgeon?

20 MS. BITTENCE: Objection.

21 A The reason we do not counsel patients to
22 have an wrist arthrodesis for the first operation
23 for management is that they often will change
24 jobs, for instance to the service sector, and in
25 the service sector they require greater range of

1 motion with less force, so that that is one of the
2 main reasons we don't argue for that early.

3 The other reason is that for reasons of
4 self care it's possible to perform more activities
5 of daily living, brushing your teeth, combing your
6 hair, toilet activities, if you have some mobility
7 in the wrist. So in terms of maintaining a life
8 without disability it's better to have some range
9 of motion.

10 We also believe that patients should
11 take advantage of lesser procedures before they go
12 on to major operations. The wrist fusion is the
13 last operation that one would do. It can't be
14 taken down or converted backwards, so it's a final
15 decision. So that's the reason we counsel
16 patients in this order.

17 Q Have you completed your discussion of the
18 permanency of this injury and the sources of
19 disability that this injury has caused to Paul?

20 A Yes, I have.

21 MR. PARIS: Off the record,

22 THE VIDEOGRAPHER: Off the record.

23 - - - - -

24 (Whereupon, discussion was held off the
25 record at this time.)

1 - - - - -

2 THE VIDEOGRAPHER: Back on the record.

3 BY MR. PARIS:

4 Q Paul missed some time from work after his
5 fall. I want you to assume that he missed -- went
6 on to the light duty within about a week of the
7 accident, but then lost about a week after his
8 first surgery and lost about a month or two after
9 his second surgery.

10 In your opinion to a reasonable degree
11 of medical probability was that time off from work
12 reasonable and necessary?

13 MS. BITTENCE: Objection.

14 A In my opinion that period of time off of
15 work was reasonable and necessary after these
16 operations.

17 Q Is it your opinion for a 37 year old man
18 such as Paul that at some point in the future he's
19 going to have further disability with that wrist?

20 MS. BITTENCE: Objection.

21 MR. MISCHKA: Objection.

22 A It's my opinion that he will suffer
23 additional disability. What I can't say is
24 precisely when it will happen and which choices he
25 will make in the future, natural stiffness versus

1 surgical stiffness.

2 Q Now I need to discuss with you the surgical
3 stiffness option.

4 First of all, do you have an opinion to
5 a reasonable degree of medical certainty as to the
6 cost of such surgeries --

7 MR. MISCHKA: Objection.

8 A Yes.

9 MS. BITTENCE: Objection.

10 Q -- in today's dollars?

11 A I can give you an estimate. It won't be
12 exact.

13 Q Sure.

14 A It's in the range of \$5,000.

15 Q And how much time off from work and rehab
16 does that entail?

17 A With respect to the left wrist, he would not
18 be able to use it for a period of about three
19 months because that's how long the fusion or
20 arthrodesis takes. He would additionally require
21 some time for re-education or rehabilitation of
22 the use of his hand. So I would estimate that a
23 period of between three and six months where he
24 wouldn't have the final use of his hand.

25 Q And the only question in your mind is when

1 this is going to happen? You can't predict that?

2 A I cannot --

3 MS. BITTENCE: Objection.

4 A I cannot predict.

5 Q Okay.

6 MR. PARIS: Thank you, Doctor.

7 I have nothing further.

8 MR. MISCHKA: Go off the record.

9 THE VIDEOGRAPHER: Off the record.

10 - - - - -

11 (Whereupon, discussion was held off the

12 record at this time.)

13 - - - - -

14 THE VIDEOGRAPHER: Back on the record.

15 - - - - -

16 CROSS-EXAMINATION

17 BY MS. BITTENCE:

18 Q Doctor, my name is Mary Bittance. I

19 represent BFI in this matter.

20 I note from the chart that's in the

21 front of your records for Mr. Castner that

22 Mr. Castner was referred to you by Ellen McCarthy;

23 is that correct?

24 A I believe so.

25 Q And Ellen McCarthy is an attorney with

1 Nurenberg Plevin, the same office Mr. Paris is
2 with?

3 A That's correct.

4 Q And did the Nurenberg Plevin office also pay
5 for the visit on October 1, '99, that's noted in
6 the chart on the front of that, at the same place?

7 A I believe they did.

8 Q Did -- was October 1 of '99 the only time
9 that you saw Mr. Castner?

10 A That's correct.

11 Q On that report it says, "Date of exam,
12 10/1/99, GR." What does the GR stand for?

13 A Green Road.

14 Q So that's where he would have seen you?

15 A That's the office where he was examined.

16 Q Do you know Dr. McCue?

17 A Yes, I do.

18 Q Did you talk with him at all about
19 Yr. Castner?

20 A I did not.

21 Q Do you know when Mr. Castner last saw
22 Dr. McCue?

23 A I do not.

24 Q What is the last date of treatment that you
25 saw in the --

1 A I'll have to refer --

2 Q -- records that were sent to you?

3 A I'll have to refer to the records.

4 Q That's fine.

5 A The last office record that I have is from
6 2/4/99.

7 Q When you received the medical records for
8 Mr. Castner was it your understanding that these
9 were the complete medical records for him?

10 A Yes. I'm not so sure I had all these
11 medical records on the date that I examined the
12 patient. In other words, that I obtained some of
13 the medical history from him. That's why, for
14 example, there's a brief notation regarding his
15 mechanism of injury.

16 Q Did you have these medical records at the
17 time that you rendered your report on --

18 A Yes.

19 Q The report, if I'm correct, was also
20 rendered on October 1, '99; is that correct?

21 A Right.

22 Q So you issued your report on the same day
23 that you saw Mr. Castner?

24 A I believe I did everything on the same day,
25 but I don't -- we might be able to figure out when

1 I received these.

2 Q So you may have received the medical records
3 after you wrote your report?

4 A I don't remember ever having done that. I
5 remember having created the narrative, some of the
6 information.

7 The date of the -- the date of the --
8 the date of the report and the date it was
9 dictated was the same. You're asking me to
10 recall.

11 Q I thought you had just said a moment ago
12 that you might not have had all of the medical
13 records at the time that you saw Mr. Castner.

14 A I'll be explicit. I don't remember.

15 Q So you may not have had the medical records
16 that you saw Mr. Castner?

17 A Yes.

18 Q And since that's the same day as your
19 report, you may also not have had them when you
20 issued your report?

21 A I'm not going to be able to say what I may
22 or may not have done because I didn't put anything
23 in this report that tells me exactly that. So I'm
24 afraid I just can't answer that question.

25 Q Okay. So you may or may not have had the

1 medical records when you issued your report?

2 A Yeah, I guess that's --

3 Q Fair enough?

4 A It's one or the other.

5 Q Right. On the -- I'm sorry. On the

6 February '99 date that Dr. McCue saw

7 Mr. Castner, is it fair to say that he noted that

8 X-rays showed a satisfactory alignment of the left

9 wrist following that carpectomy you referred to?

10 A I will -- I'll recheck that.

11 What you're asking me is to see if I can

12 find what he said?

13 Q Correct. If you can find the

14 February '99 --

15 A Sure.

16 Okay. February 4, 1999.

17 Q Correct.

18 A X-rays, left wrist, dated 2/4/99, showed

19 satisfactory alignment of the left wrist.

20 Q Correct.

21 A Yes.

22 Q And on that exam Dr. McCue found that he had

23 40 percent of flexion and extension of the left

24 wrist; is that correct?

25 A Well, he described -- the actual notation in

1 here is 40 with a small circle halfway up the
2 zero. It's not a percent sign. It could have
3 been a degree sign. So it's closer -- what's on
4 this piece of paper is closer to a degree sign,
5 but not a superscript, than a percent sign
6 which --

7 Q I'm sorry. I actually meant degree when I
8 said it. I misspoke.

9 He found 40 degrees flexion, extension;
10 is that correct?

11 A That's the best we can -- I think we can say
12 that's probably what he intended.

13 Q And he found full pronation and supination;
14 is that correct?

15 A Yes.

16 Q And I think you mentioned in your physical
17 examination when you were describing it that the
18 radial deviation of 15 and the ulnar deviation of
19 30 that you found was within the normal range; is
20 that correct?

21 A I wrote down -- I wrote down the numbers in
22 the document and I expressed an opinion that those
23 were close to normal ranges of motion.

24 Q Right. Right. You also mentioned I thought
25 that the -- when you did the grip strength on the

1 right hand and had 45 kilograms --

2 A I didn't document a grip strength.

3 Q I think you did, Doctor.

4 Grip strength was measured at
5 30 kilograms on the left --

6 A Yes.

7 Q -- and 45 on right?

8 A I didn't testify regarding it, but you're
9 right. It's in my report.

10 Q What is a normal grip strength?

11 A Probably about twice that.

12 Q So 90 is a normal grip strength?

13 A No, I wouldn't say that. A person could be
14 up in the 60 kilogram grip range who's a heavy
15 manual laborer and that would be a fairly strong
16 person, a vigorously strong person.

17 Q What did you just mean a moment ago about
18 double that when we were talking about 45?

19 A No, I was talking about 30. Doubling that
20 would be 60.

21 Q I'm looking at the right wrist.

22 A Yeah.

23 Q Okay. So 60 --

24 A I'm probably stronger than this man.

25 Q But 60 kilograms is about a normal grip

1 strength?

2 A Yeah, that's reasonable.

3 Q So he's lower in grip strength in both the
4 left and the right?

5 A Yeah, but remember normal is a broad range
6 of sizes. The actual mean and standard deviation
7 varies hugely for the population. So when we
8 speak about what's normal, the closest we have of
9 normal for an individual is his opposite uninjured
10 limb and we would ordinarily estimate that the
11 dominant arm would be about 25 percent stronger
12 than the non-dominant arm. So whatever those
13 numbers come out to be, he should be 25 percent
14 stronger than 45 kilograms on his left, you know,
15 approximately 25 percent stronger than that. I'd
16 guess that would be about 60. You know what I'm
17 saying?

18 Q Is that true of all people --

19 A Yes.

20 Q -- across the board?

21 A Dominant arms --

22 Q Always that the dominant arm --

23 A Dominant arms are always stronger than
24 non-dominant arms and after injuries the recovery
25 is usually not to the level of the non-dominant

1 arm. This is not an atypical recovery pattern at
2 all.

3 Q If Mr. Castner were to be just a truck
4 driver as opposed to lifting the pallets and the
5 other things that you noted, just driving a truck,
6 would he be able to maintain without the problems
7 that you mentioned would come on with the heavy
8 manual labor?

9 A I think we have to be very, very careful
10 about generalizing about the word truck driver.
11 For example neither I, nor he, nor his employer
12 may have control over things like manual
13 transmissions, power steering, height of climbing
14 to the cab. These are -- these are the real
15 things that surgeons have to deal with when
16 approving a person to go to a job title.

17 If this man has to climb a ladder on a
18 semi truck, because it's high he'll have trouble
19 because of the weakness in his wrist. So he may
20 not be able to get into the cab to drive.

21 If we talk about a truck being a pickup
22 truck that's more like a car with power steering
23 and power brakes, then he'll have no difficulty
24 driving safely and licensing himself to drive a
25 small car or cab -- I'm sorry -- a small car or

1 truck-like vehicle. It's in the context of those
2 other kinds of trucks that people cannot fulfill
3 the requirements of the job.

4 Q So does it make no difference then if he
5 would just be a truck driver? I'm talking about a
6 semi, not a small pickup truck, but drop the
7 pallets and the hitches, those kinds of things,
8 and just drove the truck. It wouldn't matter
9 either way whether he keeps doing the pallets and
10 the other work?

11 A I want to be very careful in the way I
12 answer this because there are many things that can
13 fall out of a testimony regarding this. I just
14 want the jury and you to understand that if I say
15 he can't be a truck driver in this testimony, that
16 may cost him his job as a truck driver. And if I
17 say he can do all the truck driving in the world,
18 that that allows him to do things which I don't
19 think he can handle. Some trucks are too big.
20 They are too hard to turn.

21 If we want to put this in the context
22 maybe of just the truck he drives, because I've
23 never examined the truck or the ergonomic
24 requirements on that particular truck, I think I
25 could come to a much fairer answer. And I want to

1 answer your question fairly --

2 Q All I want to know --

3 A -- but I don't want to generalize.

4 Q All I want to know is would it -- in your
5 opinion you mentioned some deterioration you
6 believe he will have if he continues in this job,
7 correct?

8 A Yes.

9 Q If he dropped the part of the job that dealt
10 with lifting the 30 to 40 pounds and disengaging
11 the trailer hitch, would there be less
12 deterioration over time?

13 A Yes, there would.

14 Q And if in fact he decided to completely
15 change jobs and not do manual labor, then there
16 would be even less deterioration, correct?

17 A That is correct.

18 Q When Dr. McCue released -- or saw
19 Mr. Castner in August of 1998 he noted that he
20 could continue with unrestricted activities. Did
21 you note that when you had looked through this
22 packet?

23 A Yes, I can comment upon that now.

24 Q Okay.

25 A That was earlier in 1998. That was in

1 August of 1998. At that time, for example, he had
2 45 degrees of flexion, extension, motion was not
3 painful. He does have some pain with moderate
4 activities such as trying to throw a ball. He had
5 been working as a truck driver, gaining strength
6 in his left hand; mild swelling of left wrist,
7 improved since the last visit. X-rays the same.
8 And then plan, continued unrestricted activities.

9 And then the subsequent examination he
10 had lost some range of motion, he had synovitis,
11 he had -- he had other symptoms.

12 So, you know, at one point he said yes,
13 continue with unrestricted activities and he
14 doesn't make a similar judgment in
15 February of '99.

16 Q He doesn't say anything about restricting
17 his movements, though, does he, in February
18 of '99?

19 A No, there's no negative comment about it.
20 He's told to use wrist splints --

21 Q And ice?

22 A -- and ice.

23 Q And also the patient, Mr. Castner, declined
24 non-steroidal anti-inflammatory drugs for pain,
25 didn't he, according to this notation?

1 A Well, I'm not sure why he declined them and
2 I'm not sure what they would have been prescribed
3 for. It's more likely they would have been
4 prescribed for the synovitis.

5 Q All I asked is according to this notation he
6 declined them, didn't he, Mr. Castner?

7 A The statement is, "He declined NSAIDS, but
8 will take aspirin PRN."

9 Q Right. As needed, correct?

10 A PRN means as needed.

11 Q So he declined the NSAIDS --

12 A Right.

13 Q -- but he would take the aspirin as needed?

14 A Yes.

15 Q And he was just put on the splint and ice,
16 correct? Those were the treatments, splint, ice,
17 and aspirin as needed?

18 A Correct.

19 Q When you saw him in October of '99 all he
20 was taking for pain at that time was aspirin as
21 needed, correct?

22 A That's correct.

23 Q And wear his brace occasionally you noted?

24 A That's correct.

25 Q If a person had no use of their wrist at

1 all, what would their percentage of disability be?

2 A I'd have to look it up.

3 Q Is that a published guideline?

4 A Yes, AMA 4th Guide of Impairment would be

5 the appropriate resource.

6 Q I'm sorry, what would be?

7 A The AMA -- it's stated in the last paragraph

8 of my note. The 4th Edition of the AMA Guide,

9 which is what we use to determine percentage of

10 impairment. There is a figure for -- in this case

11 it would be based on lost range of motion.

12 Q Do you know when Mr. Castner got the job

13 that he currently has?

14 A I do not.

15 Q You were aware that he's been working at the

16 same position for almost two-and-a-half years?

17 A I'm not aware of his exact work history.

18 Q And that was two-and-a-half years after the

19 accident, but you're not aware of that?

20 A When I examined Mr. Castner it wasn't

21 necessarily to answer that question and therefore

22 I didn't do an assessment of his work habits, so I

23 didn't have a complete chronology of it.

24 Q When you did the physical examination you

25 have a supination number noted there. Do you have

1 a pronation number?

2 A No, I found the pronation to be -- you may
3 assume that if I didn't list a pronation number
4 that it was normal. I'm listing deficits rather
5 than all the rest being normal.

6 Q Although when you listed the radial
7 deviation and ulnar deviation those were also
8 within normal, right?

9 A Yes, but they're more critical to the wrist
10 because they're entirely dependent upon the
11 anatomy of the wrist. The pronation and
12 supination are dependent upon joints that are
13 outside the injury scope here.

14 For example, you have to have an intact
15 joint at the elbow in order to have pronation and
16 supination. It's entirely possible that his
17 pronation and supination could have been normal.

18 Q As far as you can tell from looking at the
19 past medical records from Dr. McCue, Dr. McCue
20 never recommended that Mr. Castner have the fusion
21 operation; is that correct?

22 A That's correct.

23 MS. BITTENCE: I don't have
24 anything further.

25 MR. MISCHKA: Off the record.

1 THE VIDEOGRAPHER: Off the record.

2 - - - - -

3 (Whereupon, discussion was held off the
4 record at this time.)

5 - - - - -

6 THE VIDEOGRAPHER: Back on the record.

7 - - - - -

8 CROSS-EXAMINATION

9 BY MR. MISCHKA:

10 Q Hi, Doctor. My name is Cash Mischka. I
11 represent R&J Trucking and I just have a very few
12 short follow-up questions, all right?

13 Just so I understand, you were not
14 Mr. Castner's primary treating physician for his
15 injuries; is that true?

16 A That's correct.

17 Q And you did not perform surgery on
18 Mr. Castner; is that right?

19 A That's correct.

20 Q In fact you had no involvement with
21 Mr. Castner's return-to-work limitations, did you?

22 A That's correct.

23 Q And you made no recommendations to
24 Mr. Castner himself regarding his ability to work
25 in the future; isn't that true?

1 A That's not true. He and I did discuss this.

2 Q You had a conversation with him in which you
3 advised him as to his ability to work in the
4 future?

5 A We talked -- I talked to him about the
6 implications of his injury and what my examination
7 found. I did not counsel him directly on what to
8 do or not to do.

9 Q All right. So you basically told him this
10 is what condition you have, this is how you should
11 take care of it in the future, but you didn't talk
12 about work restrictions or anything like that?

13 A Absolutely not. That wasn't my job.

14 Q Did you advise him that from this point
15 forward he should continue to wear this wrist
16 splint?

17 A No, I didn't.

18 Q Okay.

19 A I mean I want to answer your question
20 fairly. I did not require the patient or advise
21 him as his medical treating physician to wear a
22 splint because that's a definition of a
23 restriction, a work restriction, and has to carry
24 the force of medical opinion and written
25 documentation and enforcement. It would have been

1 something that would have been enforceable had I
2 told him that. So I specifically did not advise
3 him that he had to do something. I approved of
4 the notion of wearing a wrist splint and that's as
5 far as it went.

6 Q All right.

7 A Okay.

8 Q Now when you saw him, Mr. Castner's scars
9 were well healed?

10 A Yes.

11 Q He had no keloids or large formations on his
12 scars; is that right?

13 A No, not particularly.

14 Q And there was no sensory disturbance with
15 his wrist other than in the scar region itself?

16 A Well, I have to be careful about what I say
17 about sensory disturbance.

18 Q We talked about numbness earlier. There
19 wasn't any sort of numbness other than around the
20 scar itself?

21 A Okay. You're right. I made a point of
22 saying that there was not numbness within the
23 distribution of the nerve that had been previousl
24 damaged, but there was evidence of recovery.

25 Q I believe you also said there was no

1 evidence of permanent nerve injury that you found?

2 A Right, but I was referring to the median
3 nerve, which is the most prominent portion of his
4 prior injury.

5 Q But as for the median nerve, the most
6 prominent nerve involved in his injury itself,
7 there was no permanent damage that you're aware
8 of?

9 A That's correct.

10 Q And there was no paralysis or atrophy I
11 believe you also stated?

12 A That's correct.

13 Q And the wounds were also healed and not a
14 real source of concern for Mr. Castner in your
15 opinion, other than a minor irritation?

16 A Okay. When we do the exams we have to
17 document, you know, every little bit of
18 tenderness. If it's there, we mention it. If
19 there was some there I mentioned it. But if
20 you're asking me to give an opinion regarding its
21 contribution to the function of his wrist, the
22 scar tenderness is not a major contributor.

23 Q Now just for my edification and maybe for
24 the jury since everyone's talking about grip
25 strength, I don't think there's ever been a real

1 definition about what grip strength is really
2 designed to measure. From my understanding it's
3 to ascertain how an individual can actually lift
4 something on a full grip; is that right?

5 A There are standard tests of the function of
6 the fingers and the muscles that close them, and
7 that particular activity is called grip.

8 Q Is that designed so that when an individual
9 grips something that they can lift something of a
10 particular weight?

11 A No, there's a device that's made that fits
12 in the hand and then when someone creates a grip
13 at presumably his maximum effort at a certain
14 size, which is -- in this particular case it's the
15 Jaymar Company's dynamometer, position three,
16 average male-sized hand, the peak of the torque
17 curve for grip strength. It does not have any
18 implications in itself about the ability to lift,
19 orient the hand, be free of pain, or anything
20 else. It's merely an impairment measurement of
21 the force that's generated.

22 The interpretation of whether one can
23 lift is called functional capacity and the lack of
24 that is called disability, and whether one can
25 translate force into motion, steering, latching or

1 unlatching, basketball, whatever, is an entirely
2 different type of opinion.

3 Q Well, did you ask Mr. Castner during your
4 examination to lift various objects of various
5 weights?

6 A No, I did not.

7 Q Okay. Are you aware that Mr. Castner had
8 broken his left arm earlier, earlier in life?

9 A I don't recall that at this point.

10 Q Did you inquire or did he volunteer that
11 information regarding that earlier injury?

12 A It's not on my records or to my
13 recollection.

14 MR. MISCHKA: Thank you. Nothing
15 further.

16 - - - - -

17 REDIRECT EXAMINATION

18 BY MR. PARIS:

19 Q Doctor, David Paris again, and I only have a
20 few more questions.

21 If you track the range of motion
22 documented in Dr. McCue's records through to your
23 exam, starting in August of '98 Paul's flexion and
24 extension of his wrist goes from 45 degrees in
25 August of '98, to 40 degrees in February of '99,

1 to 30 degrees in October of '99 when you saw him?

2 A Yes.

3 Q What does that indicate to you?

4 A Well, the trend of the measurements by two
5 different examiners is toward diminished range of
6 motion. The measurements would be more accurate
7 if they were done by the same examiner with the
8 same equipment over regular intervals. But the
9 trend is toward less range of motion.

10 Q And likewise with the supination, in
11 February of '99 Dr. McCue notes full supination,
12 and that's again turning the palm up?

13 A Palm up.

14 Q When -- ten months later when you examined
15 him you note 60 degrees of supination?

16 A That's correct.

17 Q That would be a reduction by a full third of
18 normal?

19 A That would be correct. If the measurements
20 were done by both of us in the same consistent
21 way, yes.

22 Q Okay. Does that also show a pattern that
23 Paul's getting worse over that time?

24 MS. BITTENCE: Objection.

25 Q In your opinion to a reasonable degree of

1 medical responsibility what does that indicate to
2 you?

3 MS. BITTENCE: Objection.

4 MR. MISCHKA: Objection.

5 A The opinion that I have is that from the
6 measurements made by two examiners, the figures
7 are getting smaller. He's got less range of
8 motion between these various examinations.

9 Q There's a reference in Dr. McCue's
10 February 1999 office visit to the painful swelling
11 in his left hand, the synovitis that he diagnosed,
12 and attributing it to what he calls white knuckle
13 driving in bad weather. Is that something that --
14 what do you understand white knuckle driving to
15 mean in the context of his occupation?

16 MS. BITTENCE: Objection.

17 MR. MISCHKA: Objection. It's
18 referring to material not prepared by this
19 physician.

20 MR. PARIS: I know.

21 A Well, I will agree that I didn't interview
22 the patient and I don't know exactly what he was
23 referring to since it's in quotation marks. It
24 may have been a quotation.

25 But white knuckle refers to tight

1 gripping and the whiteness of the knuckles that
2 occurs. But I'm sure that this is an opinion that
3 expresses heavy driving in bad weather. That's as
4 far as I can go with it.

5 MR. MISCHKA: Move to strike.

6 Q Is that something from your understanding
7 that Paul's occupation requires him to do from
8 time to time?

9 MS. BITTENCE: Objection.

10 MR. MISCHKA: Objection.

11 A I really can't comment on -- on what the
12 ergonomic requirements were at the time of this
13 question posed to him by Dr. McCue.

14 Q From the standpoint of the recommendation of
15 fusion, is that, from your experience, something
16 that you typically take a wait-and-see attitude
17 over time?

18 A I'm very conservative as are most physicians
19 about doing a wrist arthrodesis except in the case
20 of extreme pain. When extreme pain is present we
21 recommend it much more readily.

22 And in this particular case extreme pain
23 does not appear to be documented and present,
24 however he's only 37. We have a long time to look
25 at this problem together before the physicians and

1 patient decide what to do. So we have a lifetime
2 to look at it.

3 MR. PARIS: Thank you very much,
4 Doctor.

5 MR. MISCHKA: Off the record

6 THE VIDEOGRAPHER: Off the record.

7 - - - - -

8 (Whereupon, discussion was held off the
9 record at this time.)

10 - - - - -

11 THE VIDEOGRAPHER: Back on the record.

12 - - - - -

13 RECROSS-EXAMINATION

14 BY MS. BITTENCE:

15 Q Doctor, it's Mary Bittance again. I just
16 have one quick follow-up question.

17 In response to some questions just now
18 by Mr. Paris on the range of motion, is it fair to
19 say that the differences in measurement between
20 your testing and Dr. McCue's testing could also be
21 a difference in the way that the two of you test,
22 that doctors don't always have the same number
23 even if they see the patient on the same day?

24 A There is always an inter-examiner error that
25 could be quantified. I have no way of quantifying

1 what the inter-examiner error is between the two
2 methods used.

3 MS. BITTENCE: Thank you, Doctor.
4 That's all.

5 MR. PARIS: Thank you, Doctor.
6 Nothing further.

7 MR. MISCHKA: Nothing further.

8 MR. PARIS: Let's go off the
9 record.

10 THE VIDEOGRAPHER: Off the record.

11 - - - - -

12 (Whereupon, discussion was held off the
13 record at this time.)

14 - - - - -

15 THE WITNESS: I will waive the
16 right to review all of this stuff.

17 THE VIDEOGRAPHER: Thank you very much.

18 - - - - -

19 (Whereupon, deposition concluded at
20 6:04 p.m. and signature was waived.)

21 - - - - -

22

23

24

25

1 CERTIFICATE

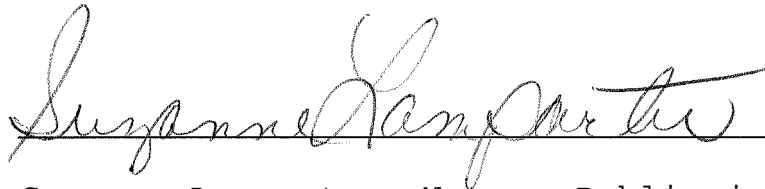
2
3 The State of Ohio,)
4) ss:
5 County of Cuyahoga.)
6

7 I, Suzanne Lamparter, a Notary Public within
8 and for the State of Ohio, duly commissioned and
9 qualified, do hereby certify that the within-named
10 witness, MICHAEL W. KEITH, M.D., was by me first
11 duly sworn to testify the truth, the whole truth,
12 and nothing but the truth in the cause aforesaid;
13 that the testimony then given by the
14 above-referenced witness was by me reduced to
15 stenotype in the presence of said witness,
16 afterward transcribed, and that the foregoing is a
17 true and correct transcription of the testimony so
18 given by the above-referenced witness.

19 I do further certify that this deposition
20 was taken at the time and place in the foregoing
21 caption specified and was completed without
22 adjournment.

23 I do further certify that I am not a
24 relative, counsel, or attorney of either party, or
25 otherwise interested in the event of this action.

1 IN WITNESS WHEREOF, I have hereunto set my
2 hand and affixed my seal of office at Cleveland,
3 Ohio, on this 30th day of May, A.D., 2000.

4
5
6 A handwritten signature in cursive script, reading "Suzanne Lamparter", is written over a horizontal line.

7 Suzanne Lamparter, Notary Public in and
8 for the State of Ohio.

9 My commission expires November 30, 2002.

10 - - - - -