

1 SUPREME COURT OF THE STATE OF NEW YORK
2 COUNTY OF SUFFOLK ::::: PART 50

-----X

3 KENNETH MURPHY

4 Plaintiff,

5 -against-

INDEX NO.
000943/2015
JURY TRIAL
(EXCERPT TESTIMONY)

6
7
8 CHRISTOPHER ADAMO

9 Defendant.

10 -----X

11 November 30, 2017
12 Riverhead, New York

13 B E F O R E:

14 Hon. Martha L. Luft
15 Supreme Court Justice

16 A P P E A R A N C E S:

17 JOHN J. BREEN, ESQ.
18 Attorney for Plaintiff
19 1355 Motor Parkway, Suite 2
20 Hauppauge, New York 11749

21 PICCIANO & SCAHILL, P.C.
22 Attorney for Defendant
23 1065 Stewart Avenue, Suite 210
24 Bethpage, New York 11714
25 BY: FRANCIS J. SCAHILL, ESQ.

1 MR. BREEN: Plaintiff calls Dr. Thomas
2 Dowling to the stand.

3 THE COURT: Dr. Dowling.

4 COURT OFFICER: Stand behind the chair and
5 raise your right hand and face the clerk, please.

6 T H O M A S J. D O W L I N G, J.R., having
7 been first sworn as a witness by the Clerk of
8 the court, testified as follows:

9 COURT CLERK: Your name and your address?

10 THE WITNESS: Thomas Joseph Dowling, Jr.,
11 1763 Larkfield Road, Commack, New York, 11725.

12 THE COURT: Thank you.

13 Please be seated, Dr. Dowling.

14 MR. BREEN: May I inquire, Judge?

15 THE COURT: Yes, please.

16 MR. BREEN: Thank you.

17 DIRECT EXAMINATION

18 BY MR. BREEN:

19 Q Good morning, Dr. Dowling.

20 A Good morning.

21 Q Are you a medical doctor?

22 A Yes, I am.

23 Q Tell the jury a little bit about your
24 background, if you would.

25 A I graduated from Boston University School of

1 Medicine through a six-year program in 1981, where you do
2 college and medical school straight through in six years.
3 After 1981, I went to North Shore University in
4 Manhasset, where I did a general surgical internship.
5 You're managing surgical patients and learning surgery.
6 The second year I did a year of neurosurgical fellowship
7 managing brain and spine patients at the same
8 institution.

9 I left there in 1983 and went to the University
10 of Stony Brook, University Hospital, there, for four
11 years, did my orthopedic training. And that was from
12 1983 to 1987.

13 In 1987, I left to go to the University of
14 Toronto, which is Toronto General Hospital and Children's
15 Hospital, for sick children, and Mount Sinai Hospital for
16 an orthopedic spine fellowship, where I just did spine
17 surgery for one year, under a gentleman named John
18 Kostovich (ph), who is one of the more preeminent spine
19 fellows back in that era.

20 After 1988, I left to come back to New York, and
21 I've been in practice since 1988 in New York.

22 Q Where do you practice, Doctor?

23 A My current practice location is in Commack, New
24 York. I founded a group, specifically for spine surgery,
25 in 1992 in Commack.

1 Q And, Doctor, can I, or can we presume that
2 you've done spinal surgery in the past?

3 A I am a Board certified orthopedic surgeon, and
4 my specialized focus is spine surgery. I've been doing
5 spine surgery from 1988 on. I did some general
6 orthopedics when I was on call for emergency rooms, where
7 I couldn't hand off the surgery to another surgeon
8 because it needed to be attended with.

9 So I did some general surgery up until the early
10 1990s, and from probably around '92 or '93, I specialized
11 just in spine surgery.

12 Q Did there come a time in your practice that
13 Kenneth Murphy presented himself to your offices?

14 A He presented to our offices in 2014.

15 Q And do you know when?

16 A He presented --

17 Q You have your records in front of you, I
18 presume --

19 A I do.

20 Q -- so use them, if you need, to refresh your
21 recollection.

22 A He presented to our offices in -- his initial
23 visit was on 9-25-14.

24 Q And what do you do when a new patient shows up?
25 What is the first thing you want to learn from that

1 patient?

2 A Well, the first thing is why they're coming to
3 you. You ask them what the presentation is. Is there a
4 history? What -- they tell you what happened to them
5 because, obviously, none of us are usually around to see
6 what happened to the patient.

7 You want to get a background of what they do,
8 you know, what they do, what occupation; what they do for
9 recreation, generally; what habits they have, good or
10 bad; what prior histories they have; to understand what's
11 going on. And then what brought them specifically, at
12 this point, to your office. What kind of treatments they
13 may have had prior to their coming. Basically, as
14 detailed a history as you can get them -- out of them
15 initially.

16 Q Why is the history so important?

17 A Well, the history -- 90 percent of the time if
18 you listen to a patient, the patient will tell you what's
19 wrong with them. The examination we do either confirms
20 that, or you may find something else occasionally or in
21 conjunction with it. And then the studies we order
22 generally confirm our initial impression.

23 So, really, the history, when taken well -- and
24 sometimes, you know, people are not able to verbalize as
25 well, that you have to guide them with certain questions.

1 But, generally, you want to sit back and listen. If you
2 give them enough time to explain what's going on, you can
3 generally figure out what's going on.

4 Q Now, when Kenneth Murphy first presented to your
5 office, he saw one of your associates.

6 A He did.

7 Q Who was that?

8 A That was a Dr. Faguna Patel, she's a
9 physiatrist, or rehabilitation doctor, who specializes in
10 pain management.

11 Q When Kenneth Murphy presented himself, did he
12 give a history to Dr. Patel?

13 A He did.

14 Q What did he say?

15 A He basically said that, you know, he presented
16 at the time from a motor vehicle accident, that he was
17 picking up supplies for work at the time of the accident.
18 The date of the accident was given at 9-13-14. At that
19 time he was 53 years old.

20 His main complaint was back pain. It was
21 radiating into the leg. It was going to the left leg
22 primarily, specifically wrapping into the thigh region
23 from the back part of the thigh right to the front of the
24 knee, and that he denied certain things. Like he denied
25 any problems going to the bathroom, he denied any

1 numbness or tingling in the leg. He felt a sensation of
2 weakness in the leg about the knee itself, this was on
3 the left side. And he stated specifically that this pain
4 pattern occurred contemporaneously around the time of the
5 motor vehicle accident of 9-13-14.

6 And then he went on to describe what the
7 accident was. He stated he was the driver of his
8 vehicle; it was rear-ended. He felt some back pain but
9 he continued to work. He stated his occupation, which he
10 owned a bakery and is a baker. And secondary to
11 increasing pain, he eventually presented to the
12 University Hospital of Stony Brook emergency room several
13 days later.

14 He stated studies were done at the emergency
15 room. These were X-rays; they were done that day. He
16 was given medication. He was given a muscle relaxant for
17 spasms of the back, and he was given what's called a
18 medrol dose pack, which is a prepackaged form of
19 steroids.

20 Steroids are very potent anti-inflammatories,
21 like when you take Advil or Aleve or Asprin, they're
22 what's called nonsteroid anti-inflammatories. The
23 steroids are the most potent anti-inflammatories you can
24 give somebody to bring down inflammation. And he was
25 given a medrol dose pack, which is generally a six-day

1 course of slowly decreasing dosages of steroids, to try
2 to control the pain and inflammation.

3 Q Did the fact that he presented with pain going
4 into, I think you said into the thigh, did that tell the
5 doctor something, or is that something that is
6 significant?

7 A The patterns of the pain are significant
8 depending where they're originating from. Back pain
9 associated with pain into the leg, and the distance down
10 the leg can be important.

11 We have the -- the spine itself structurally,
12 you know, if you injured your back, some people can get
13 back pain that's localized just to the back. Sometimes
14 the back pain can be referred, not necessarily radiating,
15 but referred pain into the leg. But generally, it's more
16 into the buttock or upper leg, not usually going past the
17 midthigh.

18 So, if you've got a severe enough pain in the
19 back -- not necessarily more distal to the midthigh or
20 going past the middle of the thigh, you can hurt your
21 enough and pain will radiate. Like if I punched -- got
22 punched in the shoulder, if it was punched hard enough, I
23 may feel pain more down the arm than just in the
24 shoulder. So it all depends on the degree of pain.

25 But when you have pain that goes to like the

1 knee or to the foot, typically it's called sciatica when
2 it goes distal to the knee. Sciatica just means there's
3 an irritation, or pinching, of the nerve, when it goes to
4 the foot itself.

5 There's two major nerves in the leg itself, the
6 femoral nerve and the sciatic nerve. The sciatic nerve
7 is a nerve that conducts messages from our brain to our
8 lower leg, the femoral nerve is another nerve that
9 conducts messages from our brain to our upper leg. It
10 typically -- to the knee itself.

11 So, in the spine there are bones and discs and
12 then nerve elements, and different nerves come out at
13 different levels. And each of these nerves is like a
14 wiring in the wall that goes to a certain level. Like if
15 I can flick on that light switch, it controls these
16 lights.

17 So, these nerves control like my sensation in my
18 thigh, my sensation in my foot. But each nerve has a
19 different pattern. There's some overlap. We don't come
20 out with the same blueprint all the time. So, there's
21 about a 15 percent overlap in terms of where those pain
22 patterns may go. But typically, his description was an
23 L3-4 pattern description of pain. It wrapped around the
24 thigh into the front of the knee, suggesting a femoral
25 nerve pattern, or a femoral radiculopathy.

1 Q And when you say "L3-4," that's a certain level
2 of the spine?

3 A The 3-4 -- there are a number of bones in the
4 spine. There's a cervical spine, which is the neck, the
5 thoracic spine, which the chest, and the lower back,
6 which is the lumbar spine, and the tailbone and the
7 sacrum area, which is the pelvis area around the hips,
8 and nerves come out at every level. And there are discs
9 separating almost every level of the bone. So, we label
10 the bones in the neck C1 through C7, the thoracic spine
11 T1 to T12, and the lower back typically L1-L5. Some
12 people have extra --

13 THE COURT: Doctor, if you could just --

14 THE WITNESS: Sorry.

15 A Some people have extra bones, partially fused
16 bones. Some people have three kidney's, some people have
17 two kidneys, one kidney.

18 Q None of that exists here, though, Doctor?

19 A Excuse me?

20 THE COURT: I'm sorry. I just need to
21 interrupt for a moment.

22 If I can ask the doctor to just slow down a
23 little bit with the testimony because it's getting a
24 little hard for the stenographer to --

25 Q Okay. Let me ask you a question.

1 A Sure.

2 Q Dr. Patel, upon hearing Kenneth Murphy's
3 symptoms, immediately took a course of action?

4 A Yes.

5 Q And if I read your notes correctly, he was
6 getting epidural steroid injections the next week.

7 A Well, she examined him and then made a
8 recommendation for an MRI to further evaluate. She was
9 suspicious, obviously, that something was happening. And
10 then based on her exam, her review of the studies,
11 indicated him for an injection into his back. The higher
12 dose steroid injection as the medrol dose pack --

13 Q Okay.

14 A A higher dose steroid injection as the oral
15 steroids had not really helped him.

16 Q All right. Can we, at this point, take a look
17 at the MRI films?

18 The MRI films were ordered by your office?

19 A Correct.

20 Q And where did he go to have those performed, do
21 you know?

22 A I believe -- there's multiple locations, but I
23 think the facility was Zwanger Pesiri.

24 Q Okay.

25 THE COURT: Mr. Breen, would this be one of

1 the exhibits on the exhibit list? An item on the
2 exhibit list?

3 MR. BREEN: That's a good question.

4 THE COURT: I think it's good for the
5 record.

6 MR. SCAHILL: It is, your Honor.

7 MR. BREEN: Which one -- did we mark it?

8 MR. SCAHILL: Thirteen.

9 COURT OFFICER: The Defendant's exhibit?

10 MR. SCAHILL: Yes.

11 MR. BREEN: It would be a letter.

12 COURT OFFICER: It would be a DVD, L.

13 I believe it would be a DVD, correct?

14 THE COURT: That appears to be the only DVD
15 on the list.

16 COURT OFFICER: Defendant's L in evidence.

17 Do you need this copy?

18 MR. BREEN: No, I don't think so. But
19 maybe.

20 COURT OFFICER: I'll keep it handy.

21 THE COURT: At the ready.

22 Q Doctor, I'm going to give you the computer so
23 you can do your thing. And I'll give you a little --
24 okay. (Indicating.)

25 A Sure.

1 THE COURT: Pointer.

2 Q That may be helpful to you in terms of pointing
3 out things, all right?

4 MR. SCAHILL: Judge, if it's all right, if
5 I just move --

6 THE COURT: Absolutely, certainly.
7 Wherever it takes.

8 THE WITNESS: I have to go to the file line.

9 THE COURT: Everyone can see? The jury can
10 see?

11 (All jurors nod in the affirmative.)

12 Q Well, that's the end product?

13 A That's the end product. I punch up the MRI, but
14 it's not punching up. There it goes.

15 So, this is what's called a "localized film."
16 So, I'm just going to go to another film and hopefully --

17 THE COURT: Mr. Breen, would it help if we
18 turn the lights off --

19 MR. BREEN: It may.

20 THE COURT: -- for the contrast? Let's
21 give that a try.

22 COURT OFFICER: They have a key; so, we
23 can't.

24 THE COURT: All right. Sorry.

25 A I'm just moving this picture now to a point,

1 it's almost a midline, but. Let's see.

2 So this is a picture of the lower back. He's
3 lying down on the table. I believe this is a -- it's a
4 three -- the magnets have different sizes. This is a
5 three telsa (sic) magnet, which is a very high-powered
6 magnet, so it gives a lot of detail. Not necessarily you
7 need this amount of detail for the spine, but the brain
8 or something.

9 He's lying down; his tush would be right about
10 here. This is the sacrum, or tailbone, going this way.
11 The bones of the spine are stacked just like a layer
12 cake, one on top of the other with the discs being
13 layers, these spaces.

14 So, if I'm moving around, it may be easier,
15 because I took steroids last night for asthma, so I may
16 get up and get a little closer.

17 Q Do you want to bring that computer closer.
18 Then, too?

19 A Well, I think I can just show this from here --

20 Q Okay.

21 A -- and then go from there.

22 THE COURT: But --

23 A So, you can see that the normal disc spaces --
24 I'll show a disc here. These two are fairly normal.
25 This one is fairly normal. So at the bottom of the spine

1 there's the sacrum. This is L5, L4 -3 -2 -1, and up.
2 The whiter discs are discs that have a higher water
3 content. Water born, the discs have 90 percent of water,
4 and there's a lot of other proteins -- other structures
5 that make support of the spine.

6 As we get older, the discs actually dry out.
7 Just like a pieces of rubber on a car, if you leave it in
8 the garage for awhile, it's going to crack and dry out.
9 Our aging process starts at age 10 in the spine. By age
10 50, a lot of people have degenerative changes. Males,
11 for whatever reason, compared to females, are almost like
12 a decade ahead in terms of the way our spines age.

13 So what happens is that, MRIs change depending
14 on what age you get the MRI. So, at an age of a
15 middle-aged male, there's certain expectations I'm going
16 to see on an MRI that'd be different than, say, if this
17 was an 18-year-old male.

18 So, he has degenerative changes in his lower
19 back, really narrowed disc here, white changes to the
20 bone above and below, almost like someone was polishing,
21 or burnishing, of the bone. That means that's it's a
22 longstanding, degenerative process that's been going on
23 for years. So based on his age, that's not
24 unanticipated. Having some degenerative changes at the
25 two levels above, that also suggests that this is not a

1 young guy, it's an older guy.

2 Now, there are genetic variations. Some people
3 have inherited back problems. I have inherited
4 arthritis. So, you may see more advanced findings on an
5 MRI when you have a family history of that. Oh, yeah, my
6 dad had back pain, my mom had back pain. My brothers and
7 sisters had back surgeries. And then you're going to say
8 in my head, okay, I'm going to expect this stuff on an
9 MRI. So, yeah, there's three levels of degenerative
10 changes.

11 What you do see is, there's a bump here and
12 here. So, those discs are not in the normal position as
13 in the discs above. Those protrusions, or bumps, are
14 herniations, meaning they're out of place.

15 Q What does that mean, herniations, Doctor?

16 A Well, herniations can occur for a number of
17 reasons. Herniations can occur --

18 Q Well, in this case, what is your opinion?

19 A He's coming to me with back pain. He has a
20 history of some back pain and he has leg pain. He has a
21 herniation at L3-4, and he has pain pattern in the L3-4
22 area. So, okay, he has some symptoms, he's got a
23 history, and he's got an MRI matching what I see.

24 Q Okay.

25 A And this is what Dr. Patel saw, cause she had

1 ordered this MRI and reviewed it and got an MRI -- and
2 ordered him an epidural based on her clinical judgment.

3 Q What is the epidural? What is it and what is it
4 supposed to do?

5 A If you came to me with a knee problem or a
6 shoulder problem, and you couldn't move -- you had an
7 impingement of your shoulder where you couldn't move it
8 and medication wasn't helping you, or it was so painful
9 where you couldn't even sleep at night, I could do a
10 cortisone shot into the shoulder and knock down the
11 inflammation. A lot of times it works immediately. An
12 epidural is just a fancy name for a shot in the back.

13 There's a canal in the spine where the nerves
14 travel. That's -- the nerves are this white and dark
15 area. The white is the cerebral spinal fluid. So, from
16 -- the spinal cord actually ends at the junction of the
17 thoracic spine and the lower back. And all the nerves
18 dangle down just like a horse's tail. And the Latin
19 word, what we call it is the "cauda equina," literally
20 meaning the horse's tail, and it's wrapped in a sac, a
21 dural sac. So, if you took Saran Wrap, and you took a
22 bunch of spaghetti noodles -- Saran Wrap and put a floor
23 on the bottom and filled it with water, you can squeeze
24 the sack of nerves, and that's called a thecal sac. And
25 that's what present in that canal.

1 Now, when something bumps into that canal,
2 there's a potential that it can press on the nerves or
3 the sac of nerves and cause symptoms of pain down one or
4 both legs, numbness, tingling, sensation, and weakness,
5 or true weakness depending on the degree of compression,
6 it can occur.

7 Now, people are born with big feet, little feet,
8 average-sized feet. People are born with big canals,
9 little canals, average canals. So, you have to take into
10 context what size canal they have. With age, the canals
11 narrow, just like a drain pipe in your backyard. For
12 30 years, it gets filled up with debris and stuff, and
13 that drain will narrow and doesn't clear as quickly. The
14 spine does the same thing. As we age, degenerative
15 processes occur.

16 So, people can have more symptoms as they get
17 old. Because if they do have herniated discs, there's
18 less room or less clearance. Just like a truck going
19 under the bridge on Northern State; doesn't make it. You
20 know, so these things can happen.

21 Q Does this MRI conform to the pain that
22 Mr. Murphy was expressing in the office?

23 A Yes. There are other -- I can show more
24 detailed pictures, which are crosscuts. Just like, I can
25 take the spine and cut it like a piece of bread.

1 Q Okay. Would you do that, Doctor?

2 A I just have to find the next picture on that.

3 Q Okay.

4 A The computer's nerves don't function that well.

5 That's a cross-sectional picture. I'll just
6 bring this picture up so we can get an idea of what the
7 anatomy looks like now from cross-section.

8 So, this picture is actually, if I sliced right
9 through the lower back, and this is an upper level of the
10 lower back. And, so, now we're seeing this little Y
11 thing in the middle. Almost looks like, you know, a
12 turkey dinner, your little --

13 Q -- wishbone.

14 A -- wishbone. And that's the sail that you feel
15 when you touch the middle of your back. There's a group
16 of bones running up and down your spine that stick
17 upright, just like a mast on a ship. And that bone has
18 all these muscle attachments. And you can see all these
19 muscles, this area here and this side. So, this is the
20 left side and this is the right side. So, when you feel
21 the little mound on each side of your back, that's the
22 group of muscles that help support your back.

23 And then in the middle, there's a little dip,
24 and that's the dip above that bone. And that's where you
25 see that little canal area in your back, for most people.

1 And then there's a layer of skin and fat under the
2 muscles. And then this is the actual sac of nerves. You
3 can actually see all the little black dots there. Those
4 are actual nerves inside the sac.

5 And he's lying on the back, so they floated a
6 little bit back here. You see more water, or spinal
7 fluid, appear down here because gravity is pulling down.
8 And there's nerves exiting here and here to go out down
9 the spine, either down the right or left leg. And the
10 neural foramen. And those are the nerves physically at
11 that level, like an L3-4 level or a 4-5 level, and a
12 right side and left side.

13 And then this is all your guts upfront. This is
14 an actual kidney on either side. This is your aorta.
15 These are smaller muscles up front, and then the
16 intestines. And the MRI is not focused at that level.
17 It's really more focused, just like a camera taking a
18 picture of the lower back, so it's more -- the focus of
19 the picture is more intent on the spine.

20 Q Can you, Doctor, get to the level that you were
21 talking about earlier, that you said were the problem
22 areas for Mr. Murphy?

23 A Yeah. That's a normal level.

24 Q Okay.

25 A It's just slower. Probably easier, I'm just

1 going to start from the bottom and come up. Easier to
2 count.

3 Q Okay.

4 A I went through about ten slices, so it's going
5 to take a few minutes for this computer to react up
6 there.

7 Q Okay.

8 A Or not.

9 Q Is it working? Or do we need some technical
10 assistance here?

11 A Let me see. I'll page it again and see what
12 happens.

13 MR. SCAHILL: Okay. If the tech --

14 THE COURT: Yes, please. I would --

15 THE WITNESS: Here it goes. We got some
16 movement here.

17 THE COURT: See, you just came up here --

18 THE WITNESS: Scared it. The network error
19 occurred. It gave up.

20 (Technician approaches the visual
21 equipment.)

22 A Okay. So, this is the lowest level of his
23 spine, this is the L5-S1 level. It's just easier to
24 count up because you're going through levels that are bad
25 less than the levels that are good.

1 So, here this is the paraspinal muscles, those
2 big muscles. You can see down in the back the bone is
3 bigger as you get further down the spine. Everything
4 gets bigger because it's bearing more load. This is the
5 sac of nerves. You can see there's less nerves inside
6 that white sac because most of the nerves have exited and
7 go down the legs. But you can see the space; it's funny
8 here.

9 You can see that this space is triangular rather
10 than it's oval. Just like grandma pinching your cheeks,
11 it looks like a little mouse with ears going out either
12 side, with the face and the nose. And it gets squished
13 in from either side. That's due to some degenerative
14 changes, enlargement of these facet joints, which are
15 little joints to the back.

16 At every level of the spine, there's a disc and
17 two joints, just like a three-legged stool, and that's
18 the major support of the spine. And these joints can
19 become painful if they're injured or arthritic, and they
20 can narrow, the nerve hole, or narrow where the nerves
21 exit.

22 But you can see there's a diffuse change in the
23 irregularity of the disc along here, and there's disc
24 herniations narrowing the nerve hole at L5-S1 both left
25 and right. So that's at 5-1.

1 Q Okay.

2 A Let me go up a level as we slice through. This
3 is L4-5. L4-5, again you see these joints not as big as
4 the ones below, but a little bit bigger than a younger
5 joint. But they vary, too. There's a herniation right
6 in the middle here. This little white area pressing down
7 the nerve sac. You can see a little more nerves here.
8 You can see --

9 THE COURT: I mean, is it necessary to
10 stand up at this point? Or what works best for the,
11 you know, I mean --

12 THE WITNESS: Going slower for me.

13 THE COURT: Going slower would be good.
14 But I think it's -- maybe it's easier.

15 THE WITNESS: I'm just going to use this.

16 THE COURT: Let's give that a try.

17 Thank you.

18 A So, there's a nerve out here in that white area.
19 And then you can see -- you don't see it as much on the
20 other side, right side, there's a more pinching of the
21 nerve on the right side. But generally, the whole nerve
22 space is narrowed to a combination of some aging facet
23 joints and a herniation at the L4-5 level affecting both
24 nerve exits.

25 Now, I'm going to go up to this level, and this

1 is the 3-4 level. Another disc that's herniated, not as
2 much as the 4-5 disc, but there's an indentation here
3 more to the right, and the narrowing of the left side,
4 but not as bad, either, and that's 3-4.

5 And I'll go up to a normal level. And you can
6 see the roof of the spine here is concave, or going
7 upwards rather than down like the other levels. That's
8 what the perimeter of the discs should look like in the
9 nerve canal. So, that's a normal level.

10 And now we're up higher in the lower back.

11 Q Okay. If I heard your testimony correct, it was
12 the 3-4 and the 4-5 area that had herniations that were
13 affecting Mr. Murphy essentially?

14 A The pattern of the pain was consistent with
15 those levels. I wasn't 100 percent sure how much 4-5
16 versus 3-4 were contributing to it because there is some
17 overlap in humans, about 15 percent, in terms of our
18 wiring as to how much of the pain can come from one or
19 both levels.

20 Q Okay. Doctor, did you review the MRI report
21 from 2002, or 2003, that was taken of Ken Murphy? And I
22 believe it's part of your file.

23 A It was 2003.

24 Q Okay. Did you review that?

25 A Yes, I did.

1 Q And is it essentially the same as this? Or you
2 tell me.

3 A The report is different. Again, I don't believe
4 I saw the actual films; I have to go by what the report
5 said. The report said -- there's a body of the report
6 which describes everything they see, and then they write
7 a conclusion at the end.

8 Body of the report talked about a herniation at
9 5-1, and a bulging disc and some degenerative changes at
10 3-4. The conclusion said two herniated discs.

11 Q Did you agree with what it said?

12 A Well, the conclusion didn't match the report
13 itself, so either it was a typo or just dictated wrong on
14 the following report. So, I can't tell what it -- you
15 know, I didn't see the pictures, so I can't comment other
16 than saying there was a bulging disc in the main report.
17 But then when he wrote the conclusion, he talked about
18 two herniated discs, when he only stated one herniated
19 disc at L5-S1.

20 Q Well, let me ask you this, Doctor. You saw
21 Kenneth Murphy, I think on -- you want to grab your
22 computer back?

23 A Okay.

24 Q You saw Kenneth Murphy on, I think, January 15th
25 -- I mean, in January of 2015.

1 A Yes.

2 Q You saw Mr. Murphy in January of 2015; is that
3 correct, Doctor?

4 A Yes.

5 Q And at that time you had the advantage of
6 knowing the fact that he had given a history that he had
7 an MRI, and that he had at least, I guess, three epidural
8 injections by that time; is that correct?

9 A Yes.

10 Q And did he get any relief? Did his pain pattern
11 change? Or you tell me.

12 A He was sent to me because he wasn't getting
13 better.

14 Q Okay.

15 MR. BREEN: Can you bring up that MRI film?
16 You know, the report that we looked at yesterday.

17 MR. SCAHILL: The 2003?

18 MR. BREEN: Yes.

19 THE COURT: Mr. Scahill, would you know
20 which exhibit this would be?

21 MR. BREEN: This is part of the --

22 THE COURT: This is in Defendant's list?

23 MR. SCAHILL: Yes, Judge.

24 THE COURT: I just think it's helpful for
25 the record, so the record is going to reflect which

1 exhibit he is looking at.

2 MR. SCAHILL: D.

3 MR. BREEN: Exhibit D.

4 THE COURT: Thank you.

5 Q This is the report that you're referring to
6 before when you said back in 2003?

7 A Yes. Well, it says the date is January 6, 2003,
8 is the actual taking -- the report is dated January 6th,
9 but the actual imaging was done on -- in January 6, 2003.

10 Q Okay. There are some things highlighted here.

11 A Yes.

12 Q The first says there is loss of disc signal
13 desiccation at L4-5, L5-S1. What does that mean?

14 A That means when we look at the pictures of the
15 disc, they look darker than the -- in certain images than
16 others, than the more water, or hydrated disc.
17 Desiccation means drying up or dried out. So, the loss
18 of signal is that whiteness, it gets darker. And he
19 noticed it at 4-5 and 5-1.

20 Q Okay. Is that a normal finding of a man of 50
21 years old? Or is that an abnormal finding?

22 A Again, there are multiple variables. But, you
23 know, a middle-aged gentleman is going to have
24 degenerative changes at the base of the spine because the
25 higher loads are carried at the base of the spine. So,

1 those discs wear out earlier than the other discs over
2 time.

3 Q Okay. And then what is this L3-4, what does
4 that mean, Doctor?

5 A At L3-4, he describes a central meeting in the
6 middle -- to right-sided, which is the paracentral, off
7 to the right a little bit, spondylitic change.
8 "Spondylo" means spine in Greek, and Latin, "litic" means
9 degenerative change. Spondylitic change and a disc budge
10 with mild stenosis. When I talked about a narrowing
11 where the nerve roots exit, "stenosis" is the medical
12 word for "narrowing."

13 Q And L5-S1?

14 A At L5-S1, which we saw that most degenerative
15 level had a broad-based disc herniation, which it had
16 back there -- disc herniation running -- going across
17 that whole level, and spondylitic change, again that's
18 degenerative change, of the spine itself, in addition to
19 the endplates marrow signals changes noted.

20 Remember how white above and below the disc
21 those bones were? Those are the marrow changes. That
22 means it's a very advanced degenerative changes going on
23 at that level.

24 Q Doctor, I want you to assume that this is,
25 obviously, was in 2003, and Mr. Murphy was treating with

1 a chiropractor, essentially, during this time. And I
2 think your records may reflect that.

3 Do you have that in your history in January?

4 A He gives me a history of pain on and off, where
5 he had treatments at various times from the '90s on.

6 Q Okay. And including up to what point? Do you
7 know?

8 A Early 2000s.

9 Q Would 2007 be what you have in your record
10 there, on January 5th?

11 A That range, somewhere in mid-2000s.

12 MR. BREEN: Can you bring up that one from
13 Dr. Sperling, Frank?

14 MR. SCAHILL: I don't have the --

15 Q Doctor, I want you to assume that Kenneth Murphy
16 went to see Dr. Sterling at North Shore Sports Medicine
17 and Rehabilitation on April 29, 2008, okay?

18 MR. BREEN: And this is an exhibit that we
19 have, officer, in the box.

20 COURT OFFICER: North Shore Sports Medicine
21 and Rehabilitation. That would be Defendant's
22 Exhibit G.

23 THE COURT: G, right.

24 MR. BREEN: G?

25 COURT OFFICER: G, in evidence.

1 THE COURT: Do you need that shown to the
2 witness?

3 MR. BREEN: I'm going to hand it to the
4 witness.

5 THE COURT: I'd like to have the court
6 officer hand the --

7 MR. BREEN: Okay. G.

8 COURT OFFICER: Showing the witness
9 Defendant's Exhibit G in evidence. (Hanging.)

10 Q Doctor, could you flip to the point where you
11 see the April 29, 2008, record? And it's like a half a
12 page, and down at the bottom it says, FJS, which is
13 Dr. Sterling.

14 MR. BREEN: May I help the doctor find it?

15 A These are handwritten notes, so.

16 MR. BREEN: It's going to look like this.
17 (Showing.)

18 Here it is right here.

19 A Thank you.

20 Q Okay.

21 THE COURT: No, that's not it.

22 MR. BREEN: That's May. There we go.

23 A April.

24 Q Okay. All right. Doctor, I want you to assume
25 that Kenneth Murphy testified that he went to

1 Dr. Sterling, and essentially, that was the last doctor
2 he saw before this motor vehicle accident, which took
3 place six years later, six-and-a-half years later. All
4 right?

5 And, Doctor, you see the history that
6 Dr. Sterling took at that time? And you reviewed that,
7 right?

8 A Yes.

9 Q You see where it says that, He complains of achy
10 lower back pain, predominantly left side, which is
11 nonradicular in nature and not associated with lower
12 extremity weakness. What does that mean?

13 A Most common complaint after the common cold
14 people see people for a doctor is back pain. And typical
15 back pain is just that, back pain. And it's not a
16 radicular, it's localized to the back. And basically,
17 he's saying the guy is coming in complaining of this pain
18 that doesn't shoot out of the back into the legs. And
19 he's specifically denying that he has any nerve
20 involvement. And the more important nerve involvement is
21 the strength, or lack of that, or weakness. And he's
22 denying that.

23 Q So, we looked at that 2003 MRI that showed at
24 least one herniation and some desiccation. From using
25 that and this note, would it be your opinion that

1 Mr. Murphy was not suffering from compression on his
2 nerves at that point?

3 MR. SCAHILL: Objection.

4 THE COURT: I'm sorry. Could you please
5 read the question back?

6 (Whereupon, the requested portion of the
7 record was read back in open court.)

8 THE COURT: I'm going to overrule.

9 You may answer, Doctor.

10 Q Go ahead, Doctor. You can answer that question.

11 A He was complaining of back pain, which is most
12 likely not due to any compression of any nerves itself.

13 Q Further down in that same note, where it says:
14 Physical examination. Do you see that?

15 A Yes.

16 Q It says, Orthopedic signs and provocative
17 testing were negative. What does that mean?

18 A Means that he was examining the patient, looking
19 at him, and then physically moving him around to see if
20 he can provoke any findings or symptoms by the patient,
21 like lifting his leg up, stretching the nerve, see if he
22 says ouch or not.

23 Q And all of that was negative?

24 A That was negative.

25 Q And do you see right down on the next line, it

1 says, Lower extremities had full range of motion with
2 normal strength?

3 A Correct.

4 Q What does that mean?

5 A That the -- the joints were not involved in any
6 problems. His hips and knees were moving, his ankles
7 were moving. He can lift the legs up. And he had good
8 strength.

9 The way we measure strength, we test it in a
10 scale, generally, from a 0 to 5, and zero is no movement
11 and no strength. He noted full strength on the exam.

12 Q Doctor, knowing that that was the last
13 orthopedic visit that he had, or any visit to any doctor
14 complaining of back pain, back in 2008, and then he shows
15 up at your office six years later with complaints of back
16 pain telling you the history of a motor vehicle accident,
17 do you have an opinion, with a reasonable degree of
18 medical probability, as to what was the source of his
19 pain, or what was the cause of his pain at that point?

20 MR. SCAHILL: Objection.

21 THE COURT: At the earlier point?

22 MR. BREEN: At the time that he came to
23 Dr. Dowling's office.

24 THE COURT: Your question pertains to
25 the --

1 MR. BREEN: Right.

2 THE COURT: I'll overrule the objection.

3 A Given the history and the timeline of facts, it
4 was my impression that the patient's problem was due to
5 his motor vehicle accident, particularly with what he had
6 described and the treatment he had gone through up to the
7 several months he had come to me.

8 Q What did you notice in the MRIs that were taken
9 at the direction of your office that were now new
10 findings with regard to his lower back?

11 A The findings were the changes at the adjacent
12 segments to 5-1. The adjacent levels were 4-5 and 3-4.
13 5-1 had the herniation, the severe degenerative changes.
14 The degenerative changes had now climbed up his back,
15 but, you know, he's older at this point, so I'm expecting
16 that. But he had the herniations at the other levels as
17 well.

18 Q And did those herniations cause nerve
19 compression?

20 A Specifically, the L4-5 and the 3-4 levels were
21 patterns of pain that were consistent with that. The 3-4
22 level was more paracentral right, 4-5 was broad-based.
23 So, based on the two levels and the pattern of the pain,
24 it was my opinion that his problem was primarily 3-4,
25 4-5.

1 Q And the problems that you observed at 3-4 and
2 4-5, do you have an opinion, with a reasonable degree of
3 medical probability, as to whether or not those problems
4 were either caused or exacerbated by these motor vehicle
5 accidents?

6 MR. SCAHILL: Objection.

7 THE COURT: Overruled.

8 A The patient gives me a history of chronic on and
9 off back pain. You know, he gives a history of seeing
10 doctors periodically. He may have had some back pain
11 here and there in between, like a lot of patients can.
12 But the pattern of the pain, and the consistency of the
13 pain, and the location of the pain were very consistent
14 with the findings of the MRI, in my clinical evaluation.

15 Q And the MRI was done within a month of the
16 accident?

17 A It was done after the accident, yes.

18 Q Right. Doctor, I want you to assume that
19 Kenneth Murphy testified, and we showed this to the jury
20 already, that these were some of the activities -- can
21 you see that?

22 A Yes.

23 Q -- that these were some of the activities that
24 he enjoyed between the time period of 2008 and the date
25 of the accident, okay?

1 A Okay.

2 Q And I want you to assume that Ken described for
3 the jury that he was snowmobiling, for example, that he
4 was rock climbing, that he was doing his imitation, you
5 know, of a yogi or whatever, all the these things, that
6 he was zip lining a month before this accident. Would
7 those kind of activities be the kind of activities that
8 someone could do if they were suffering from the nerve
9 compression pain that you're talking about, that you
10 found after the accident?

11 MR. SCAHILL: Objection.

12 THE COURT: Overruled.

13 A Typically not, no.

14 Q It would certainly be a surprise to you?

15 A Yes. Or just toughing it out and getting real
16 aggravation of his back pain, if it was.

17 Q Okay. Now, Doctor, did there come a point --
18 when you saw Kenneth Murphy in January, you made some
19 recommendations as to his treatment going forward?

20 A Correct.

21 Q What did you suggest to him?

22 A Well, we talked. He had already had the
23 symptoms going on. And I basically said, you know, we
24 have some changes in your back that I saw at the facet
25 joints, let's see if we can do some injections into the

1 joints themselves on the left side and the right, because
2 he had back pain and the left side pain, to see if we can
3 help with another type of injection.

4 Just like the shoulder joint, the joint is the
5 facet joint. If a lot of pain was coming from the joint,
6 it may not be the 100 percent of it, but if it's
7 50 percent or 60 percent and giving him that relief, he
8 may be able to function better and go on with his life.
9 And, so, I suggested that.

10 Q Did he go along with that?

11 A He did. He felt somewhat better, but not
12 100 percent. We tried a more selective block after that,
13 a medial branch block, trying to recreate the same thing.
14 But instead of injecting the joint, we injected the nerve
15 to the joint, just like going to the dentist and getting
16 a root canal. We decided to try to pinpoint the nerve to
17 the joint itself, specifically to see if we can do the
18 same thing.

19 Q Was that successful?

20 A It gave him some relief again, but not a lot of
21 relief.

22 Q Did there come a time that you had a discussion
23 with Kenneth Murphy with regard to possibly undergoing
24 surgery?

25 A Yes.

1 Q And what did you say and what was the cause of
2 that?

3 A At that point he had been going through a number
4 of months of ongoing symptoms. He had gone through
5 treatments. The biggest treatment is time. If we're
6 going to get better, we're going to do it over a period
7 of time. A lot of things that we do for a patient help
8 them manage through that time, giving them medication,
9 physical therapy, going to a chiropractor, giving them
10 injections, allowing the body to heal. He wasn't getting
11 better.

12 And it came to a point where I said, Listen,
13 you're at that point now where you can either live with
14 the symptoms and see what happens, or do something about
15 it, and the only option you have left is surgery. And I
16 said, Here are the risks and benefits going on like you
17 like, or doing surgery, the risks and benefits and the
18 potential outcomes. And I offered him a surgical option.
19 Not that he had to do it. He wasn't going to die from
20 this, he wasn't going to become paralyzed from this, but
21 it was going to restrict him and limit him. So the
22 question became, What do you want to do at this stage?

23 Q And before undergoing surgery, you go through an
24 informed consent with the patient, right? Meaning, you
25 tell him what the risks and the benefits are?

1 A I go through a very detailed explanation of what
2 the surgery means, the downtime, what it means, the
3 healing process. I tell patients, Listen, this is
4 something I'm fixing. I'm not giving you back a normal
5 back. I'm taking something that's bad, not good, but you
6 can still live with it. We're going to do the surgery
7 and make it better, but I'm not making it normal. We're
8 going to improve.

9 The question is, you know, we can't always
10 predict the success rate on everybody. We give them
11 averages. And I went through that. I went through the
12 down sides of the surgery, the pluses of the surgery, the
13 potential that you may need more surgery if things didn't
14 heal the right way. Because I'm altering the mechanics
15 of the spine by fusing it, I create stress risers or
16 problems that potentially could occur at the level above
17 that may require further surgery down the future. That
18 risk, you know, is not high, but it's not zero either.
19 It's maybe a 5 percent risk, 10 percent risk. But, they
20 have to be aware of that because 20 years from now, 10
21 years from now they come back to me and say, I thought
22 you fixed me. I say, okay, this is what's happening.

23 But this is what you have and you're going to
24 have restrictions on your life, because I'm giving you
25 rods and screws and a fusion. I don't want you bungee

1 cord jumping out of a plane, you know, doing things that
2 are going to stress out your back. Do the normal things,
3 stay healthy, exercise, and going through a lifestyle
4 change, too, and how to accommodate it.

5 Q And, you know, we saw it on the board briefly
6 there before. But this is the end result of your handy
7 work, right, Doctor?

8 A That's the metal and screws that we use to
9 enhance the fusion at the multiple levels.

10 Q What is the purpose of this, Doctor?

11 A Okay. So, spinal surgery has been done a long
12 time. Specifically, surgery like this, it's been done
13 probably since the 80s on, in terms of what we have in
14 terms of instrumentation. Bones heal if you put them
15 close together, in general. When we're doing a single
16 level fusion, you don't necessarily need rods and screws
17 to get a fusion to heal, they heal. So the outcome of
18 doing a one level fusion, with or without
19 instrumentation, is the same. Generally, 90 percent of
20 the success rate of the bones healing. Unless there are
21 risk factors involved, being a smoker, being a diabetic,
22 underactive thyroid, then there's higher risks of certain
23 issues of healing. Once you get more than two levels
24 fusing when you put rods and screws in a back, it acts
25 like an internal brace, or stabilizer. There's a higher

1 rate or a higher rate of healing. So maybe you go from
2 50 or 60 percent healing rate without rods or screws, to
3 an 80 percent healing rate with the rods and screws. So
4 the addition of the rods and screws is not to make a
5 picture where people say, Oh, my God, my back, it's
6 really to enhance the fusion rate. So we needed to
7 stabilize, rigidly, three levels of his spine to enhance
8 the rate of the fusion taking. At those same levels, I
9 unroofed the spine, just like a doll house, the
10 old-fashioned doll house, you can take the roof off and
11 look inside. He had a tight canal, narrowed canal due to
12 his age-related changes. The discs herniated into it,
13 and the facet joints being a little enlarged. I
14 incorporated 5-1 because they had changes down there. I
15 didn't want to do 3-4 and 4-5 alone because, if I took
16 those segments that were normally moving and fused it,
17 I'm now putting additional stresses on a bad level, and I
18 knew he would come back to me saying, My back is not
19 doing better, either not within the next couple of
20 months, or, but within a year or two, and I'd have to
21 fuse that level.

22 So I'd had to do 5-1, because I did not have a
23 normal level to go to. Whereas, the 2-3 level, the level
24 above the highest disc, that disc space was normal, and I
25 didn't have to worry about adjacent segment disease more

1 than what the average should be over time for a regular
2 person at his age.

3 Q So, if you were to only do two levels, you'd be
4 worried that one of the these other levels which is not a
5 healthy level, would continue to give him problems and be
6 a source of future pain?

7 A With his history, giving me the fact that he had
8 back pain in the past, and that 5-1 disc level was so bad
9 so long that I said, if I didn't include the 5-1 level,
10 that would be the case, yes.

11 Q Okay. Now, Doctor --

12 THE COURT: Excuse me.

13 Which exhibit was that, Mr. Breen? I just
14 like to have that for the record.

15 MR. BREEN: That was Plaintiff's 4.

16 THE COURT: Okay. Thank you.

17 And we're finished with this Exhibit G from
18 the North -- Sports Medicine?

19 MR. BREEN: Yes, yes.

20 THE WITNESS: (Hanging.)

21 Q Doctor, is a degenerative disc more susceptible
22 to injury by herniation than a normal healthy disc?

23 A Anything that starts to wear out doesn't have
24 the same structural integrity. If a tire with 50,000
25 miles on it, you hit a pothole, you know, what's the rate

1 of that tire popping versus a tire that has 5,000 miles
2 on it? Different.

3 A spine, when you look at the peak incidents of
4 disc herniations in the human, it's between the ages of
5 30 and 50. Primarily, because when we're 35 or 40, we
6 still think we're 20, we're still doing things that way.
7 But our spine is not like when we were 20, and the loads
8 are the same, but the discs themselves are not
9 necessarily the same. So, there's more stress on a disc
10 that's starting to wear out.

11 So, we generally see disc herniations and discs
12 that are degenerative. It doesn't mean I can't get a
13 25-year-old kid who decided to squat and take up 400
14 pounds off the floor and gets an acute disc herniation
15 just because he just overloaded the disc, or his knee --
16 whereas, he blew out his disc or knee because he just
17 overloaded a normal disc, which you can do, too.

18 But the incidence of disc herniations are
19 generally higher in a disc that's already starting to
20 degenerate, than one that is healthy, unless you
21 specifically just do something crazy, or in the wrong
22 position.

23 Q Do you have an opinion, with a reasonable degree
24 of medical probability, as to whether or not Mr. Murphy
25 would have needed this fusion surgery that you performed

1 were it not for the happening of the motor vehicle
2 accident?

3 MR. SCAHILL: Objection, your Honor.

4 THE COURT: Overruled.

5 A Everybody has degenerative changes in their
6 spine. So if I take a male who's 50-years old and do an
7 MRI of their back, 100 percent certain I'm going to see
8 disc bulges and disc degeneration. I'd be a very busy
9 spine surgeon if I had operated on every male over the
10 age of 50. Because literally, there's nobody with a
11 spine at that age, of that sex, that's going to have a
12 normal looking MRI. When I mean normal looking, compared
13 to somebody who is younger. So, certain features are
14 normal at different ages.

15 Q And you found that in Mr. Murphy's spine, that
16 he had degenerative, right?

17 A Yes.

18 Q Was it normal degenerative? Was it abnormal
19 degenerative?

20 A 5-1 was a little more advanced than I would
21 expect, but not that out of the normal. The other levels
22 were normal for age.

23 Q Okay. So, then, do you have an opinion, with a
24 reasonable degree of medical probability, as to whether
25 or not it was the trauma of the motor vehicle accident

1 that caused the herniations and the compression on the
2 nerves that caused Mr. Murphy to have to undergo the
3 surgery?

4 A Yes. I'm not an eyewitness to the account; I
5 have to rely on the history. But he's telling me, you
6 know, I had this back pain on and off, I had this
7 accident on this date, my pain has been like this since.
8 I've gone through this treatment under your direction, or
9 my partner's direction, I'm not better. My alternatives
10 are to live with it and do surgery. He chose surgery
11 based on our discussions.

12 Q Okay. Let me ask you a few questions about
13 biomechanics. You learned that this accident happened as
14 a result of Mr. Murphy being in his vehicle stopped and
15 getting hit in the rear, yes?

16 A Yes.

17 Q All right. Did you ever see the pictures from
18 the motor vehicle accident?

19 A I may have. I don't recall. Sometimes they
20 bring it on their cellphone or iPhone.

21 Q Okay. I want you to assume that Mr. Murphy was
22 driving a truck, and at the time he was driving that
23 truck, it was equipped with a trailer hitch. And I'm
24 referring now to Plaintiff's 1 in evidence. (Showing.)

25 And this is the trailer hitch. I want you to

1 further assume that the impact between the Jeep Wrangler
2 and Mr. Murphy's vehicle was on the trailer hitch. And I
3 want you to further assume that this caused this dent in
4 this steel trailer hitch there. Moreover, it caused the
5 deformity of these areas here where the trailer hitch is
6 bolted to the frame.

7 I want you to further assume that Mr. Murphy's
8 vehicle required five hours on the stretcher, which pulls
9 the frame back into its proper configuration. Moreover,
10 I want you to assume that Mr. Adamo's vehicle, the person
11 in the Jeep four by four required three hours on the
12 stretcher pulling it back to its proper configuration.
13 And finally, I want you to assume that Mr. Murphy's seat
14 was broken.

15 Do you have an opinion with regard to the
16 transfer of energy and the biomechanics of how this
17 accident affected Mr. Murphy's body?

18 MR. SCAHILL: Objection, your Honor.

19 THE COURT: Sustained.

20 Q Do you have an opinion, within a reasonable
21 degree of medical probability, as to how the accident
22 that was just described to you in my hypothetical would
23 have caused Mr. Murphy's problems?

24 MR. SCAHILL: Objection, your Honor.

25 THE COURT: Sustained.

1 Q Do you have an opinion, within a reasonable
2 degree of medical probability, as to whether or not the
3 accident that I've described for you, and the results
4 with the two vehicles, would have affected Mr. Murphy's
5 body?

6 MR. SCAHILL: Objection.

7 THE COURT: I'm going to sustain.

8 Q Do you have an opinion within -- well, let me
9 ask you this: How does a motor vehicle accident cause a
10 problem for someone sitting in a vehicle when they get
11 rear-ended?

12 MR. SCAHILL: Objection, your Honor.

13 Talking the general population.

14 THE COURT: I'm sorry?

15 MR. SCAHILL: He asked him a question of
16 how does it affect people. We're talking about the
17 general population.

18 MR. BREEN: Well, you sustained my
19 questions about Mr. Murphy specifically, so.

20 THE COURT: Well --

21 MR. BREEN: Withdrawn. Withdrawn.

22 THE COURT: I would sustain.

23 Q Include this in the hypothetical. I want you to
24 further assume that Mr. Murphy is the person that we're
25 talking to, Mr. Murphy, the person that you examined,

1 treated, got a history from, and eventually did surgery
2 on, okay? Do you have an opinion, within a reasonable
3 degree of medical probability, as to how Mr. Murphy's
4 injury was caused?

5 MR. SCAHILL: Objection.

6 THE COURT: Well, I'm going to overrule and
7 allow him to answer in this context.

8 Do you remember the question?

9 THE WITNESS: Yes.

10 THE COURT: Okay.

11 A The patient tells me what happens to them if you
12 listen. And you try to analyze their presentation based
13 on their history. He gives me a history of back problems
14 intermittently treated in the past, and which is not
15 uncommon for my patients. And then he gives me a
16 specific injury where he has ongoing pain.

17 The mechanics of the injury that he described to
18 me, including the fact that he was rear-ended and the
19 seat broke, were sufficient enough forces, in my medical
20 opinion, to create the diagnoses that I eventually gave
21 him. And for the reason that he failed non-operative
22 care, and he eventually underwent surgery for me.

23 The studies have been done extensively, going
24 back to the time of the railroads, in terms of rear-end
25 collisions, where they first came about and then adapted

1 to the cars. There's a lot of biomechanics we have to
2 understand in terms of etiology, or the reasons why
3 things happen. And when you're sitting in a car --

4 MR. SCAHILL: Judge, I'm going to object to
5 this testimony and ask that it be stricken. He's not
6 qualified to give an opinion.

7 THE COURT: That's kind of the area that
8 I'm having some problem with.

9 I'll sustain the objection. I think he
10 answered the question.

11 MR. BREEN: Okay.

12 I have no further questions.

13 Thank you, Dr. Dowling.

14 THE COURT: I think this is a good time to
15 take a break. We'll take a ten-minute recess.

16 Let me remind the jurors and --

17 Doctor, you may step down.

18 THE WITNESS: Okay.

19 THE COURT: And we'll call you back.

20 Let me remind the jurors not to discuss the
21 case among yourselves or with anybody else, and not
22 to read up or do any independent research on any of
23 the matters that have come up in the course of
24 testimony.

25 Not to discuss or accept any payment or

1 benefit for supplying information to anybody about
2 this case, and again to promptly report any incident
3 of any impropriety, any attempt to improperly
4 influence you or any other of your fellow jurors,
5 okay?

6 Ten minutes.

7 COURT OFFICER: All rise. Jury exiting.

8 (Whereupon, a short recess was taken.)

9 (Back in open court, on the record as
10 follows:)

11 COURT OFFICER: All rise. Jury entering.

12 All rise.

13 THE COURT: Please be seated.

14 Okay. Is Dr. Dowling in the courtroom?

15 (No answer.)

16 THE COURT: Is Dr. Dowling in the
17 courtroom?

18 MR. BREEN: I guess he's in the hallway.

19 COURT OFFICER: I'll get him.

20 THE COURT: Okay. Thank you.

21 (Whereupon, the witness enters the
22 courtroom.)

23 THE COURT: Okay. I ask Dr. Dowling to
24 step forward.

25 THE WITNESS: Sorry.

1 COURT OFFICER: Please keep in mind you're
2 still under oath.

3 THE WITNESS: Yes.

4 THE COURT: And also, if I could implore
5 you to just speak a little more slowly for the sake
6 our court stenographer's fingers.

7 Thank you.

8 THE WITNESS: Okay.

9 THE COURT: So, Mr. Breen, I believe you
10 had some more direct.

11 MR. BREEN: No, I rested.

12 THE COURT: Oh. You completed? I thought
13 you had --

14 Well, then, Mr. Scahill, you're up.

15 MR. SCAHILL: Thank you, your Honor.

16 THE COURT: Cross-examination.

17 CROSS-EXAMINATION

18 BY MR. SCAHILL:

19 Q Good morning, Doctor.

20 A Good morning.

21 Q My name is Frank Scahill, and I represent the
22 defendants in this case. Their names are Christopher and
23 Sylvia Adamo.

24 Doctor, have you testified before in court?

25 A Yes.

1 Q And do you regularly testify for plaintiffs in
2 personal injury cases?

3 A I testify for plaintiffs, personal injury cases,
4 for workmen's comp. for defense.

5 Q Do you get referrals from personal injury
6 plaintiff's lawyers?

7 A I'll get referrals from referral sources,
8 including either a panel where you put your name up, or
9 they'll send you cases to review and give and up or down
10 as to whether you think the case has merit. Or sometimes
11 a attorney will contact me directly about a case.

12 Q So, you're familiar with this type of a
13 procedure, personal injury cases, personal injury
14 lawyers, is that fair to say?

15 A Yes. I'm an expert witness for the medical
16 malpractice, for the two medical malpractices of New York
17 City, PRI and MLIC. I'm their spine expert, so I go to
18 court for anybody who needs my expertise, yes.

19 Q How many times a year do you testify in court?

20 A Excluding the testimony by Workmen's Comp. Board
21 (sic)?

22 Q How many times do you appear in this type of a
23 setting?

24 A Two times a year. Three times a year, tops.

25 Q And you've done that over the course of your

1 career over the last 20 years?

2 A Probably at least 20 years, yes.

3 Q And you charge a fee for your appearance in
4 court, I presume?

5 A For my time out of my practice, yes.

6 Q That fee is how much?

7 A I believe it's 7,500 for a half a day and 15,000
8 for a full day.

9 Q We're definitely going to get you out of here in
10 a half day.

11 So you've been cross-examined before?

12 A Yes.

13 Q And you understand the rules of
14 cross-examination, if I ask you a question that can be
15 answered with a Yes or No answer, you'll answer it Yes or
16 No. And if you can't, you'll tell me, I can't answer
17 that Yes or No?

18 A Yes. I can do that.

19 Q Thank you, Doctor. Now, your opinion, if I'm
20 correct, is that Mr. Murphy, but for that car accident,
21 would not have needed this surgery. Is that the essence
22 of your opinion?

23 A Yes.

24 Q And your opinion with respect to the injury that
25 Mr. Murphy claims happened in the accident is based on

1 several factors, correct?

2 A Yes.

3 Q It's based on the history that Mr. Murphy
4 provided to you? Is that fair to say?

5 A Yes.

6 Q And the history -- and it's also based on your
7 diagnostic testing and your treatment of this plaintiff,
8 correct?

9 A Those are several of the factors, yes.

10 Q The history that Mr. Murphy provided to you, we
11 went through it in your direct testimony, but that
12 history is a very important part of your diagnosis. Is
13 that fair to say?

14 A Yes.

15 Q And you're taught in medical school the
16 importance of taking a proper history, correct?

17 A Yes.

18 Q And you founded the practice Long Island Spine
19 Specialist, and you have a number of physicians that are
20 your co-workers; and you insist that each of your
21 co-workers have the same level of medical excellence that
22 you practice; and you insist that they take a proper
23 history. Is that fair to say?

24 A Yes.

25 Q And the accuracy of that history has a direct

1 correlation to the accuracy of your diagnosis. Is that
2 also a fair statement?

3 A Yes.

4 Q I'd like to review with you the history that was
5 given to you, to your office, by a Mr. Murphy. And I'd
6 ask you to refer to your chart.

7 You indicated that he first came to your
8 practice on September 25, 2014; is that correct?

9 A Yes. I have to pull out the initial notice by
10 Dr. Patel. So I have the presentation date by Dr. Patel
11 of 9-25-14.

12 Q Okay. So, we're -- I have that up on the
13 screen. I don't know if you can see it from there, but
14 you have it in front of you, correct, Doctor?

15 A I have addendum.

16 Q Okay. So I'd ask you to look at the history
17 that was given to Dr. Patel -- by the way, Dr. Patel is
18 an associate of you?

19 A She's employed by me, yes.

20 Q And Dr. Patel saw Mr. Murphy from September of
21 2014, up until the time that you saw him first in January
22 of 2015?

23 A Yes.

24 Q Correct? So, when we talk about history, a
25 plaintiff, or a patient that comes to your office is

1 asked: Do you have a past medical history? Did you have
2 this problem before? Correct?

3 A Correct.

4 Q And what did Mr. Murphy report with respect to
5 his past medical history?

6 A It's entirety that he had a chronic history of
7 back problems.

8 Q Let's talk about that first visit. And I'm
9 reading, Past Medical History, from Dr. Patel's note.

10 And it indicates:

11 "System: Gastrointestinal condition, acid
12 reflux."

13 Am I accurately reading your own office notes?

14 A That says acid reflux there, yes.

15 Q Okay. Is there any mention in Past Medical
16 History when Mr. Murphy first came to your practice on
17 September 25, 2014, that he had a history of back pain?

18 A In this note? She does not relay that, no.

19 Q Okay. So let me talk about that for a moment.

20 Mr. Murphy came to your office complaining of
21 back pain, correct?

22 A Correct.

23 Q Would it be a logical question that you, or any
24 physician employed by you or works with you, would ask,
25 Did you ever have prior back pain? Would that be a

1 question that was asked of the plaintiff in this case?

2 A I don't know if it was asked by the plaintiff in
3 this case.

4 Q Well, we just went through the level of
5 excellence that you demand from your associates. You
6 just told me as a Board certified orthopedic surgeon you
7 would take a proper history. Can we assume, can we agree
8 that Dr. Patel asked Mr. Murphy, Did you have any prior
9 back pain, and he did not tell her about that. Can we
10 assume that?

11 A I would not assume that because I'd be assuming
12 about half the physicians I get referrals from don't give
13 a proper history.

14 Q Well, Doctor --

15 A I don't know --

16 THE COURT: We have to have one person speak
17 at that time or we won't have a proper record, so.

18 Q We're talking about your practice, Doctor.

19 Is it the practice of your office to inquire
20 when a person comes in with a complaint of back pain, did
21 they were have prior back pain? Is that a question
22 that's asked by you and every one of the physicians that
23 work with you?

24 A It's part of our medical intake form that the
25 patient fills out prior to the visit. It should be a

1 part and practice of any physician, or PA in my office,
2 that does it. Are there times when this is not done all
3 the time? Yes, there are times like that.

4 Q Was there also an inquiry when Mr. Murphy first
5 came to the office, whether or not he had any significant
6 spinal or surgical procedural history? Was there an
7 inquiry made as to that?

8 A There's an inquiry made as to past spinal
9 procedures or past medical history, yes.

10 Q And did Mr. Murphy report any history of a prior
11 spinal issue, or a prior surgical or procedural history
12 to his spine?

13 A He did not report one.

14 Q Okay. So, do you know how many times, Dr.
15 Faguna saw Mr. Murphy before you saw him?

16 A I think she saw him at least two or three times.

17 Q I'm going to put up the next visit that
18 Mr. Murphy had with your office. It was on 10-2. There
19 was also a notation with respect to past medical history.
20 Do you have the 10-2 note in front of you, Doctor.

21 A I do.

22 Q And that's also in Dr. Faguna?

23 A That is correct.

24 Q Was there any mention by Mr. Murphy of a past
25 medical history with respect to his lower back?

1 A He does not state anything in this note, or it's
2 not recorded in this note.

3 Q The next time that Mr. Murphy came to your
4 office was on October 29, 2014. There was also an
5 inquiry as to his past medical history. Do you see the
6 note from Dr. Faguna from 10-29-14?

7 A Yes, I have it.

8 Q Is there any mention by Mr. Murphy of a past
9 medical history with respect to his lower back?

10 A He does not report anything in the history, or
11 it's not recorded.

12 Q And the next time that he saw your office was on
13 12-2. That was also Dr. Faguna who saw him at that time?

14 A Dr. Faguna Patel, I'm sorry. I may have to read
15 yours. I don't see --

16 Q It's up on the screen here, Doctor. Do you see
17 the notation where it says Past Medical History? I
18 highlighted it.

19 A Yes.

20 Q Do you see any mention of a prior back problem?

21 A Not in the past medical history, no.

22 Q Okay. Did you know at that point that the
23 plaintiff was -- that the patient was a plaintiff in a
24 personal injury lawsuit?

25 A I had never met the patient at that point.

1 Q Did your office -- was your office aware at that
2 point that he was a plaintiff in a personal injury case?

3 A I don't believe so. But I'd have to look at the
4 medical correspondence.

5 Q You just told me earlier when we talked about
6 history, that the history that a patient gives to you has
7 a direct correlation to the accuracy of the diagnosis.
8 You also told me that you're basing your opinion that
9 Mr. Murphy suffered a traumatic injury in the car
10 accident, that ultimately led to the surgery that you
11 performed in 2015, based on the history that was provided
12 by Mr. Murphy; is that correct?

13 A The history provided to me is definitely
14 correct, yes.

15 Q Okay. Now, is it true to say the history that
16 was provided by Mr. Murphy for four months while he was
17 under treatment with Dr. Patel in your office was
18 inaccurate?

19 A You know, the record --

20 Q That's a yes or no, Doctor?

21 A I can't answer it yes or no.

22 Q Okay. Was the history correct as to a prior
23 history of back pain?

24 A Based on the records reported?

25 Q Based on your own office notes --

1 A Just based on the office notes, that is correct.
2 There was no history given on those office notes.

3 Q So, the history that was given to Dr. Patel in
4 your office for the four months of treatment was totally
5 inaccurate?

6 A The recorded notes are not accurate. I don't
7 know the exact history that was given to Dr. Patel in the
8 office with her.

9 Q Okay. Now, you talked about an MRI evaluation
10 that was performed on the plaintiff in this case at
11 Zwanger Pesiri Radiology after the accident of 2014,
12 correct?

13 A Correct.

14 Q And that MRI evaluation showed disc herniations
15 two levels, correct?

16 A Yes.

17 Q You also talked about and went over with
18 Mr. Breen during his presentation a prior MRI that was
19 done in 2003 at Stony Brook Medical Imaging, correct?

20 A Yes.

21 Q When were you made aware of the prior MRI that
22 was done in 2003?

23 A I went over it on the pre-direct with Dr. Breen
24 (sic). I don't know -- never seen the actual films.

25 MR. SCAHILL: He's actually a good guy, but

1 he's only a layer.

2 MR. BREEN: I am a doctor of -- law degree,
3 Mr. Scahill.

4 A He knows a lot of medical stuff.

5 Q I'm sorry?

6 A He knows a lot of medical stuff.

7 Q Is it fair to say that you didn't learn about
8 the prior MRI until your discussions with the plaintiff's
9 lawyer prior to testifying here today?

10 A I never looked at anything that I can recall. I
11 saw the actual MRI report, was prepping to go through my
12 records today, last evening.

13 Q Okay. All right. So, you learned about it last
14 night?

15 A No. A couple of days ago. And I reviewed the
16 records again last night.

17 Q Okay. So, Mr. Murphy never reported to you that
18 he had a prior MRI?

19 A I don't recall.

20 Q You never saw the films?

21 A The films were -- no, I never saw the films.

22 Q And to your knowledge, you never saw that report
23 before from 2003?

24 A I do not recall seeing that report before.

25 Q You certainly didn't see it prior to your

1 surgery in 2015, correct?

2 A Correct.

3 Q And did you inquire of Mr. Murphy whether or not
4 he had any prior diagnostic radiology studies when you
5 first saw him in 2015?

6 A Yes. I would have inquired that.

7 Q And did he tell you that he had no prior MRI
8 studies?

9 A I don't recall what his response is to that.

10 Q Certainly, it's fair to say that you, yourself,
11 did not review these films and did not look at this
12 report until you came to the realization that you were
13 testifying in court about this case, correct?

14 A I reviewed this in preparation for the testimony
15 solely, yes.

16 Q Okay. So, would you have wanted to review the
17 prior MRI films prior to making -- giving this jury an
18 opinion as to whether Mr. Murphy's problem with his back
19 was caused by the car accident of 2014? That's a yes or
20 no.

21 A Again, I couldn't answer that yes or no.

22 Q Okay. Would your opinion have been more
23 accurate if you were given the MRI films of 2003 to look
24 at and comment on?

25 A Would that be as to causation?

1 Q Would your opinion as to whether or not the
2 problem that Mr. Murphy ultimately had surgery was caused
3 by the car accident, would that opinion have been more
4 accurate if you had saw the 2003 MRI?

5 A No.

6 Q It would not have been more accurate?

7 A No.

8 Q As an orthopedic spinal surgeon, would you want
9 to compare before you treated a patient for a condition,
10 would you want to review and compare the prior MRI
11 studies to the present MRI studies?

12 A It may or may not have an impact on my decision.
13 It would depend on the history and what the studies would
14 show.

15 Q You felt strongly that the surgery that you
16 ultimately performed on Mr. Murphy was due to the car
17 accident because he had herniated discs at two levels
18 shown on the MRI films? That's a yes or no.

19 A It can't be answered in a yes or no fashion.

20 Q Okay. Is it in fact true that he had a
21 two-level disc herniation in 2003 based on the report of
22 a Dr. Cole from Stony Brook Imaging?

23 A Again, I can't answer that yes or no. But the
24 conclusion says two disc herniations, but the body of the
25 report says one disc herniation. So, I don't know which

1 is true, the conclusion or the actual description that he
2 describes in the several paragraphs above.

3 Q Certainly, the MRI report of 2003 describes
4 pathology to the lower back that is abnormal. Is that
5 fair to say?

6 A The pathology in certain degrees are normal for
7 age, and in certain degrees show pathology as well.

8 Q The disc herniation at L5-S1, that's not a
9 normal finding on a lumbar disc, correct? That's an
10 abnormality to the disc. That is something that is not
11 the normal anatomical position of the disc, correct?

12 A Correct.

13 Q And that's something that -- that disc
14 herniation at L5-S1, as shown on the 2003 MRI, that can
15 impress on a nerve exiting at that level, correct?

16 A Yes.

17 Q And that certainly can be the competent
18 producing cause of pain, the nerve root compression at
19 L5-S1 from this disc herniation, correct?

20 A Yes.

21 Q Also, the spinal stenosis, the spinal stenosis
22 at L3-L4, that's not a normal variant, correct, that's an
23 abnormal condition?

24 A Again, I'd have to qualify to answer yes or no
25 based on the age of the patient, whether there's any

1 congenital findings. So, certain things become normal as
2 we become older.

3 Q Okay. But in 2003, Mr. Murphy was in his late
4 30s. Is this an abnormal finding for a male in his late
5 30s?

6 A It's an unusual finding.

7 Q When we talk about an unusual finding, all the
8 findings from the 2003 MRI could cause the same symptoms
9 that Mr. Murphy came to you complaining about in 2015.
10 And that's a yes or no.

11 A No.

12 Q Okay. The disc herniation at L5-S1, you just
13 told us can cause impression upon a nerve root which can
14 cause radiating pain, correct?

15 A Over a sciatic distribution; yes, it could.

16 Q The L3-L4 central right paracentral spondylitic
17 changes, that can cause impression upon a nerve root at
18 that level and cause radiating pain, correct?

19 A That can cause radiating pain as well.

20 Q So, in 2003, based on this MRI report,
21 Mr. Murphy had significant degenerative disc disease to
22 the lower spine. Is that a fair statement?

23 A He had -- at L5-S1, he had significant
24 degenerative changes, yes. That's a fair statement.

25 Q Did Mr. Murphy tell you that he said -- when you

1 saw him in 2015, did he tell you that he had a 25-year
2 history of back pain dating back to 1990?

3 A At what date did he tell me that?

4 Q When he first saw you in 2015, did he tell you
5 that he had a 25-year history of back pain dating back to
6 2000 -- dating back to 1990?

7 A He told me he had back pain a long time. I
8 don't think what date he told me how early it was at that
9 point. But he said he had back pain for a number of
10 years and last, of any significance, in 2007.

11 Q I'd ask you to look at your office note from
12 April 6th of 2016. It's on the screen, if you can read
13 it.

14 A I got it, too.

15 Q Okay.

16 A I have it.

17 Q I want to go over this with you, Doctor.

18 You just told the jury on direct examination
19 that you felt the reason that you believe the car
20 accident was the competent producing cause of the pain;
21 and the reason for the subsequent surgery, because
22 Mr. Murphy had herniated discs at two different levels
23 that were found on MRI after the accident; and that's why
24 you believe this was a traumatic condition. Am I stating
25 that correctly?

1 A Can you repeat that question so I can answer it
2 correctly?

3 Q You told the jury on direct examination the
4 reason you believe that Mr. Murphy had a traumatic event
5 in the car accident is because he had two herniated discs
6 shown on MRI post motor vehicle accident, that you
7 eventually performed surgery on.

8 A I can't answer that in yes or no, but I can
9 answer it.

10 Q Okay. So let's go through your office note.
11 You're noting in your office note that
12 Mr. Murphy had a recent IME. That's an independent
13 medical examination, correct?

14 A Correct.

15 Q And that was done by another orthopedic surgeon,
16 Dr. Toriello (ph)?

17 A Correct.

18 Q And Dr. Toriello indicated in his opinion that
19 the --

20 MR. BREEN: Do we -- can I -- can we just
21 have a quick sidebar?

22 (Whereupon, the conference was held between
23 counsel and the Court at sidebar out of the hearing
24 of the jury.)

25 Q So, Doctor, I'm just going to ask you about your

1 opinion.

2 In your office note of April 6, 2016, you
3 indicated that males over 50, there will be universal
4 findings of degenerative on an MRI of the lumbar spine.
5 Is that an accurate statement?

6 A That is an accurate statement.

7 Q You indicated in your office note of April 6,
8 2016, the evidence of trauma in this case are the HNPs.
9 HNPs are herniated nucleus pulposus. Is that what it's
10 short for?

11 A Yes.

12 Q In other words, HNP is a herniated disc,
13 correct?

14 A Correct.

15 Q And you said the evidence of trauma in this case
16 was the herniated disc at two different levels. Is that
17 fair to say?

18 A On the MRI, yes.

19 Q Okay. And you said that, My surgery was based
20 on a failure of nonoperative care in a male over 50, who
21 would have the disc degeneration based on age, but HNPs
22 are as a result of the 9-13 motor vehicle accident.

23 A That's what is recorded, yes.

24 Q So, you felt and it's your opinion, as stated in
25 your note, that the basis of surgery was those herniated

1 discs at two levels as shown on the MRI, correct?

2 A No.

3 Q When you had this -- when you made this note,
4 when you said, My surgery was based on a failure of
5 non-operative care in a male over 50, who would have disc
6 degeneration based on age -- based on age, but HNPs, as a
7 result of an MVA of 9-3-14, you did not have that benefit
8 of that prior MRI of 2003, correct?

9 A I did not -- I don't know I had the benefit of
10 that MRI from 2003. I don't know if I had ever heard of
11 it or seen it at that point.

12 Q You just told us that you only saw it in
13 preparation of this testimony?

14 A The only way I recall it. I can say I
15 definitely recall seeing it because I read it at that
16 point.

17 Q Is it also accurate that, in fact, Mr. Murphy
18 had HNPs, herniated nucleus pulposus, disc herniation, at
19 two different levels in 2003, as shown on the Stony Brook
20 MRI?

21 A Again, I don't know if that's accurate because
22 if there's inaccuracies in the report in two separate
23 levels by the radiologist. In one area he says there's
24 only one herniated disc, and in his conclusion he says
25 there's two herniated discs.

1 Q Okay. Now that you know that there was a 2003
2 MRI that showed disc herniations at two levels, do you
3 wish do change your opinion as to the issue of causation?
4 That's a yes or no.

5 A I don't have an MRI that tells me that in 2003
6 that I could --

7 Q That's a yes or no, Doctor.

8 A I can't answer that yes or no.

9 Q Okay. Did you review any of the prior records
10 of Mr. Murphy while you were treating him? Not in
11 preparation for court, but while you were treating him.

12 A Prior records of my practice, or prior records
13 outside my practice?

14 Q No. Of other doctors that saw him during his
15 lifetime prior to you that treated him for back pain --

16 A He had had -- the last treatment he told me
17 about was 2007. I don't recall seeing any records of age
18 on him.

19 Q Okay. And Mr. Murphy also told you that he had
20 occasional flare-ups of back pain, correct?

21 A He told me he had a long history of back pain
22 with flare-ups, yes, usually lasting several weeks in
23 duration.

24 Q Did you know, or did you speak to any of his
25 treating physicians that saw him prior to you?

1 A I mean, I see some of these physicians because
2 they're my colleagues, but I don't recall any specific
3 conversations about Mr. Murphy on his condition, no.

4 Q Okay. Now, I'm going to show you Mr. Murphy's
5 records from March of 2007, and this is from Dr. Mackey.
6 There's a description of his pain in the lower back,
7 which indicates that he had sharp pain, tingling and
8 stiffness.

9 Are those symptoms compatible with degenerative
10 disc disease to the lower back?

11 A Again, I can't answer that yes or no. But, you
12 know, when we say degenerative disc disease, it's a
13 misnomer because it's not really a disease. There are
14 degenerative changes there that can lead to inflammation,
15 or arthritic symptoms that can cause that pain. So in
16 that context, yes.

17 Q Let me ask you a pain scale. Doctors use --
18 medical professionals use a pain scale from 1 to 10,
19 correct? Or 0 to 10?

20 A 0 to 10 or 10-plus.

21 Q And 0 is no discomfort and 10 is the worse
22 possible discomfort, the most excruciating pain?

23 A That's a typical scale, yes.

24 Q Did you know that Mr. Murphy reported to Dr.
25 Mackey in March of 2007 that he had a pain of an 8 on a

1 scale of 0 to 10? Were you aware of that?

2 A I'm looking at it; yes.

3 Q Were you also aware that Mr. Murphy reported to
4 Dr. Mackey back in 2007 that he had a 17-year history of
5 back pain, and the symptoms began over time and have
6 worsened. Were you aware of that?

7 A I knew he had a chronic history. I don't know
8 what the report was to Dr. Mackey.

9 Q Were you aware in 2007 that he indicates to Dr.
10 Mackey several things with respect to his pain. It comes
11 and goes and it's very severe. His normal sleep is
12 reduced by less than 50 percent. He cannot lift anything
13 cause it causes extra pain. He gets pain upon -- he can
14 only sit in his favorite chair. He cannot stand for more
15 than a half-hour without increasing pain. He could not
16 walk more than a mile. And his pain was gradually
17 worsening.

18 Did he tell you any of that when he saw you in
19 2015? Did he report to you about his problems with his
20 back dating back to 2007?

21 A Specifically, this visit?

22 Q Yes.

23 A No.

24 Q Did he tell you that he had problems with
25 walking up and downstairs, walking, dressing, standing,

1 heavy lifting? Did he tell you anything about that?

2 A Regarding that visit? No.

3 Q Would any of that change your opinion as to
4 whether or not Mr. Murphy's condition was a gradual
5 progression of his degenerative disc disease?

6 A If I had a history showing over a timeline that
7 there was onset and progression gradually, it would
8 change my opinion.

9 Q But you were not afforded the opportunity to
10 look at any of these records prior to your treatment and
11 your diagnosis. Is that fair to say?

12 A The history given to me was that he had a
13 chronic intermittent back problem dating back a number of
14 years, with his last formal treatment around 2007. That
15 was the history given to me from the patient, not on --
16 that I can recall any review of any of these records.

17 Q Would you have wanted to see these records
18 before coming to court and giving an opinion to a jury
19 that everything was caused by a car accident?

20 A I felt I had enough information to give my
21 opinion based on my history taken from the patient,
22 assuming that the patient wasn't lying to me.

23 Q That wasn't my question, Doctor. My question
24 was: Would you have wanted to see these records before
25 giving an opinion to a jury on the issue?

1 A Again, my medical opinion is based on my own
2 evaluation of the patient, primarily based on the history
3 given. In an ideal world, I'd love to see everything.
4 Unfortunately, I don't have that ideal world in front of
5 me.

6 Q You have a website for your practice, Long
7 Island Spine Specialist, correct?

8 A Yes.

9 Q And part of that website details degenerative
10 spinal conditions, correct?

11 A Correct.

12 Q In fact, you have a long recitation about lumbar
13 degenerative disc disease. This is from your website.
14 And it talks about the endplate changes and the lumbar
15 degenerative disc disease. This is an illustration of
16 those endplate changes that happen over time, correct?

17 A Correct.

18 Q And those are bony overgrowths, osteophyte
19 formations, correct?

20 A Yes.

21 Q Because the disc can collapse. Is that fair to
22 say?

23 A Well, the disc collapses is one part of that,
24 yes.

25 Q Okay. In fact, you have an animation that you

1 show on what happens to the disc over time. This is on
2 your website? (Indicating.)

3 A That is correct.

4 Q And that's what happens to the disc, it loses
5 water content, it flattens, and it dries up, and the
6 vertebral bodies collapse on each other.

7 A Correct.

8 Q Is that fair to say?

9 A Fair to say.

10 Q And then those bony outgrowths. And that's a
11 degenerative condition. That's something that happens
12 over a lifetime, or a period of time, correct?

13 A Over a period of time, yes.

14 Q And that's what happened with Mr. Murphy. He
15 had degenerative disc disease that happened over his
16 lifetime dating back to 1990. Is that fair to say?

17 A That's fair to say for everyone, yes, including
18 him.

19 Q Well, we are here for Mr. Murphy's lawsuit. I'm
20 asking you about Mr. Murphy.

21 Is it fair to say that he had degenerative disc
22 disease that happened since at least 1990, since his
23 first complaint, and it gradually progressed? Is that
24 fair to say?

25 A He had back pain since 1990. I don't know when

1 his exact changes occurred, but he had back pain dating
2 back to then.

3 Q Did you look at the hospital record from Stony
4 Brook Hospital from the three days after the motor
5 vehicle accident? Did you ever look at that hospital
6 record?

7 A I don't know if I saw the ER record or just the
8 films, or the report of the films.

9 Q Would it be important to you before you gave an
10 opinion to the jury, that all of the -- all of his
11 problems were as a result of a car accident, would it
12 have been important to you to see the Stony Brook
13 Hospital records?

14 A Again, it depends what those records
15 incorporated, whether they're MRIs or CAT scans or X-rays
16 or any imagining, it may have a bearing.

17 Q Do you know anything about the Stony Brook
18 records?

19 A Other than he was evaluated three days after the
20 accident, that he was given medication, that he had
21 X-rays of his lower back at that time.

22 Q Do you know what the diagnosis was from Stony
23 Brook Hospital three days after the accident?

24 A I don't recall what the diagnosis was, no.

25 Q Okay. I'm going to show you the Stony Brook

1 records, and I'd ask you to take a look at the diagnosis.
2 Under "Impression and Plan," lumbar spine strain, left
3 lumbosacral radiculopathy.

4 A strain is not a disc herniation, correct?

5 A By definition, a strain is a pull of a muscle.

6 Q Okay. So it's not a disc herniation, correct?

7 A It's not a disc herniation.

8 Q If an individual had -- well, when we talk about
9 somebody has a lumbar spine sprain or strain, as it's
10 described in the hospital record -- and by the way, a
11 strain is different from a sprain, right?

12 A Again, depends who's using it.

13 Q Okay. Well, what's your definition of strain?

14 A A strain is typically a muscle pull, a sprain is
15 a ligament injury. But they're used interchangeably by a
16 lot of non-orthopedic physicians.

17 Q Okay. There's a muscular-skeletal evaluation
18 that was done in the hospital three days after the
19 accident. There's a notation that says, that says:
20 Normal ROM. Does ROM stand for range of motion?

21 A Yes.

22 Q There's also, under the muscular-skeletal
23 evaluation, it notes: Normal strength, no tenderness, no
24 swelling. Is it fair to say that the muscular-skeletal
25 evaluation that was done at Stony Brook three days after

1 the accident was normal, as far as the muscular skeletal
2 evaluation?

3 A It's inconsistent with the level above it
4 showing the muscular tenderness in the lumbar area. But
5 it shows in the muscular-skeletal area that it's normal.
6 So one level says no tenderness, and the level above says
7 soft tissue tenderness.

8 Q When we talk about soft tissue tenderness,
9 that's when you palpate the back, and the patient reports
10 to you that they have some level of pain, correct?

11 A When you palpate any soft tissue, back or leg.

12 Q But I'm accurately describing that, when it
13 says, Patient has left paraspinal lumbosacral soft tissue
14 tenderness, that extends to just left of L5 midline
15 vertebrae, negative straight leg raising bilaterally,
16 that's a description of -- he was complaining that he had
17 some pain in his lower back, correct?

18 A He complained that it was tender when they
19 touched him, yes.

20 Q And when there's a straight leg raise
21 bilaterally -- straight leg raise is a test to see if
22 there's any nerve root involvement, correct?

23 A For the sciatic nerves, the L4-5 and 1 nerves,
24 yes.

25 Q So, the physician from Stony Brook three days

1 after the accident gave that test, that straight leg
2 raising, to see if there was any nerve root involvement
3 for the lower spine, and there was none. Is that a fair
4 statement?

5 A To the very lower parts of the spine, that's a
6 fair statement, yes.

7 Q So is it accurate, Doctor, that three days after
8 the accident when Mr. Murphy went to the emergency room
9 at Stony Brook Hospital and he was evaluated there, the
10 diagnosis was a lumbar spine strain? Is that fair to
11 say?

12 A That's one or two diagnoses listed there, yes.

13 Q And that's far different from your opinion that
14 he had a traumatic injury to the discs of the lower back
15 which ultimately led to the surgery that you performed in
16 May of 2015. That's dramatically different from what the
17 hospital record shows, correct?

18 A My diagnosis don't include the sprain or the
19 left lumbosacral radiculopathy at all. However, at the
20 time of the presentation, he may have had a lumbar sprain
21 because of the proximity of the timing of the accident to
22 his presentation in the ER, I think that the muscles
23 would have been tender if he had a sprain at that time or
24 a strain.

25 Q Okay. I'd like to review with you again that

1 issue of whether or not he had a traumatic injury to the
2 disc to his lower back which was caused by the accident.
3 Obviously, that's the issue why we are here.

4 You performed surgery on Mr. Murphy on May 13,
5 2015, correct?

6 A Yes.

7 Q And as part of good and accepted medical
8 practice, you're required to detail the surgery in an
9 operative note that you include in the hospital record,
10 correct?

11 A Correct.

12 Q Okay. I'd like to go over this operative note
13 with you from the St. Catherine of Siena medical records.
14 If you could pull out your operative note.

15 A I have it.

16 Q You list a preoperative diagnosis. The
17 preoperative diagnosis that you listed in the hospital
18 record was, Degenerative disc disease of the lumbar spine
19 with associated disc herniation and spinal stenosis with
20 discogenic back pain, L3-L4, L4-L5, and L5-S1. Is that
21 accurate?

22 A Yes.

23 Q You put nothing in your preoperative diagnosis
24 with respect to an acute trauma, correct? That's a yes
25 or no.

1 A That's correct.

2 Q You put nothing in your preoperative diagnosis
3 that Mr. Murphy was involved in a motor vehicle accident
4 and suffered an acute herniation which ultimately led to
5 your surgery, correct? That's a yes or no.

6 A Again, that's not in this note, no.

7 Q You also put in a post-operative diagnosis of
8 degenerative disc disease of the lumbar spine. The same
9 note that you had for preoperative diagnosis you put that
10 in post-operative diagnosis. That's after the surgery
11 was complete, you give your opinion as to the reason for
12 the surgery, and you list that in the hospital record,
13 correct?

14 A That was correct. That was my findings.

15 Q And nowhere in the post-operative or the
16 preoperative diagnosis is there any mention of an acute
17 disc herniation or a motor vehicle accident that
18 Mr. Murphy was involved in. Is that fair to say?

19 A Yes.

20 Q Okay. I'd ask you about the surgery itself.
21 You detailed the procedures that you used to
22 complete this operation, correct?

23 A Correct.

24 Q And you -- in some detail you go through every
25 step of the surgery. Is that fair to say?

1 A Yes.

2 Q As you detail how the patient was set up in the
3 operating room, what position you put him in, what
4 devices you used, and you also talked about the incision
5 and your findings when you open up the spine. Is that
6 fair to say?

7 A Correct.

8 Q I'd like to refer you to the bottom of page 13
9 of the St. Catherine of Siena hospital record, where you
10 detail your findings once the decompression was
11 completed.

12 THE COURT: Excuse me, Mr. Scahill, would
13 this be Exhibit J in evidence?

14 MR. SCAHILL: Yes, your Honor.

15 THE COURT: Okay. Thank you.

16 Q Do you see the notation that I highlighted?
17 Once the decompression was done, we did not have to
18 perform a discectomy based on no real tension on the
19 nerves itself. We were able to decompress the lateral
20 recesses. There was some hypertrophy ligament and some
21 facet overgrowth leading to the stenosis at the several
22 levels. (Reading.)

23 Is that an accurate reading of your own
24 operative note?

25 A It is an accurate reading.

1 Q So, is it fair to say that the surgery that you
2 performed addressed the bony overgrowth; is that true?

3 A Addressed the bony overgrowth?

4 Q Well, you cured, or when I say you "addressed,"
5 you did something surgically, you shaved down the bone at
6 that level?

7 A I shaved down the bone at that level, yes.

8 Q Is it also true to say, the surgery addressed
9 the spinal stenosis?

10 A Yes.

11 Q You opened up the neuro foramen, correct?

12 A Yes.

13 Q So, both of those findings that you had on the
14 surgery in your operative report, those are findings that
15 take years to develop. That was not caused by a motor
16 vehicle accident correct?

17 A That is correct, yes.

18 Q So, the decompression that you did to the spine,
19 to Mr. Murphy's spine, was due to bony overgrowth that
20 happened over a long period of time. Is that fair to
21 say?

22 A I decompressed the nerves of the spine, which
23 part of that was due to that bony overgrowth and
24 degeneration that did occur over time, yes.

25 Q The stenosis that you found during your surgery,

1 that happened over a long period of time, not something
2 that happened from a car accident, that was a year prior?

3 A You're looking at a minimum of a year, yes.

4 Q I'm sorry?

5 A A minimum of a year, at least. Yes.

6 Q Okay. So, the stenosis that you find, you agree
7 that that was not caused by a car accident, correct?

8 A Again, stenosis occurs two ways.

9 Degenerative --

10 Q I'm talking about Mr. Murphy, now.

11 The stenosis that you found when you had that
12 surgery, that was not in any way associated with the
13 motor vehicle accident?

14 A Yes, it was.

15 Q Now --

16 MR. BREEN: What was that answer?

17 THE WITNESS: Yes, it was.

18 MR. BREEN: It was.

19 Q The decompression that you did, you didn't do
20 any surgery, or you did not do a discectomy, you didn't
21 remove those discs because you were able to open up the
22 neurocanals by cutting bone and shaving bone. Is that
23 fair to say?

24 A I was able to decompress his nerve by just
25 removing the bone and ligament away in part of the joint,

1 yes.

2 Q Okay. And you would agree with me that that
3 surgery addressed longstanding degenerative disc disease
4 to the spine, not a traumatic incident that happened in
5 September of 2014?

6 A It addressed both.

7 Q Okay. Now, how many of these surgeries do you
8 perform in a year?

9 A A lot.

10 Q 100?

11 A A hundred easy. 75. Depending whether I'm
12 co-surgery or assisting, or the primary surgeon, could be
13 anywhere from 150 to 200 some years.

14 Q And are the majority of the males in their 50s?

15 A I'd say it runs the gamut. I'd say, you know,
16 it's females, males, older people. Depends on the
17 diagnosis. For this specific case, lumbar fusions and
18 decompressions, probably more predominantly in girls for
19 a different diagnosis.

20 Q I'd like you to assume for a moment that we're
21 not in a courtroom nor the hospital, but in your office
22 setting, and a colleague came to you and presented a
23 case, and showed you the MRI report from 2003, showed you
24 the treatment records from 2007, showed you the
25 complaints that Mr. Murphy was making for the last

1 17 years over chronic lower back condition, showed you
2 the MRI of 2014, is it fair to say that your opinion
3 would be that that individual had longstanding
4 degenerative disc disease, and the problems in his back
5 were due to that degenerative disc disease that happened
6 over a long period of time? Would that be fair to say?

7 A Again, I'm not examining the patient or taking
8 his history. But the presentation would be that he had a
9 back problem, and that back problem probably was related,
10 to some degree, to those degenerative changes that were
11 found during that period of time. I don't know if that's
12 the sole cause.

13 Q In medicine you're required to develop a
14 differential diagnosis, correct?

15 A It's always good to have an idea of what you
16 think is going to be No. 1, 2 and 3, in terms of a
17 differential. Not all the time do you always -- do you
18 have a differential. Sometimes it's pretty --

19 Q But you're taught in medical school to develop a
20 differential diagnosis as a proper treatment method,
21 correct?

22 A Typically, yes.

23 Q And a differential diagnosis is a different
24 cause of a symptom or a pathology that you find, correct?

25 A It can be multiple reasons for a presentation of

1 a symptom, yes, a differential diagnosis.

2 Q Did you develop a differential diagnosis in this
3 case?

4 A Well, the diagnosis was that he had a back
5 problem with a radiculopathy. The differential was that
6 I didn't list it. Kidney stones can give back pain,
7 aneurysms can give back pain, ulcers can give back pain,
8 gall bladder disease can give you back pain. But his
9 symptoms were consistent with other reasons for that
10 differential. So even though I'm going through my mind
11 as I'm asking him more questions, he's giving me answers
12 that are eliminating these differentials immediately. So
13 by the time I get to the end of my evaluation with him,
14 he's got a back problem with a radiculopathy due to
15 something going on in his spine. So, a list of
16 differentials that can be 50 pages long is now down to a
17 couple of lines or sentences. So, yes, I mean --

18 Q Let's talk about it in the context of this case,
19 this lawsuit.

20 Isn't it, in fact, a differential diagnosis that
21 Mr. Murphy's problems occurred over a 25-year period, as
22 opposed to a car accident that happened in September of
23 2014?

24 A He had underlying problems of his back over a
25 number of years. They're unrelated to the motor vehicle

1 accident, yes.

2 Q Okay. Are you also familiar with terminology in
3 the medical field known as "secondary gain"?

4 A Yes.

5 Q Secondary gain is when someone, a patient of
6 yours, is reporting to you something not based on his
7 medical condition, but based on the fact that he has
8 something else pending, such as a lawsuit for personal
9 injury or a workers' compensation case, correct?

10 A There's some type of gain that the patient is
11 being motivated for, whether it's through a divorce
12 proceeding, he's not paying child support, a motor
13 vehicle accident, the kind you get disability to get out
14 of the Army. I mean, I can give you a list of reasons
15 that I've heard for secondary gain, or seen personally.

16 Q But it's something that you are taught in
17 medical school, and it's good practice to keep into
18 account secondary gain when you're listening to a
19 patient's report, correct?

20 A We actually, in spines specifically, not only do
21 we listen to the history, there's a test called a Waddell
22 Sign, that we always look for in all our back patients.
23 After Dr. Waddell developed them for -- either looking
24 for a secondary gain, or a magnification due to
25 psychiatric illnesses related to presentation as back

1 problems.

2 Q Did Mr. Murphy ask you, and did you provide
3 notes and letters to his workers' comp. carrier to allow
4 him to continue to receive benefits? Did your office do
5 that for him?

6 A I would assume he did if he required them, yes.

7 Q And all of your treatment was paid for by
8 workers' comp, correct?

9 A I'd have to look at that. I'd assume that it
10 was an injury on-the-job as he described it, yes.

11 Q Okay. He doesn't owe you anything?

12 A Everything is guided by New York State law with
13 regard to workers' compensation.

14 Q So, everything was paid for by Comp?

15 A The carrier of that compensation case, yes. Or
16 should have been unless the case was denied.

17 Q And Mr. Murphy was out of work for two years.
18 And through September, I believe he said September 16,
19 2016, he was getting paid by workers' comp. I would like
20 you to assume that was his testimony yesterday.

21 A Okay.

22 Q Did he report to you in September of 2016 that
23 he drove, or prior to seeing you on September 7, 2016,
24 that he drove to Florida?

25 A Yes. He had a stop in Virginia due to back

1 spasm.

2 Q Okay. And you were aware that he was on
3 disability at that point while he was driving to Florida
4 on vacation, you were aware that he was getting workers'
5 comp. for disability?

6 A I don't think they paid for his vacation, but
7 they were paying for him not to be in his job, yes.

8 Q But while he was driving to Florida, he was
9 getting checks on the basis of his report that he was
10 unable to work --

11 A Yeah. I didn't have a restriction on him
12 driving, I had a restriction on his working.

13 Q Understood. So, did you take into account the
14 issue of secondary gain with respect to the plaintiff in
15 this case?

16 A I've known Mr. Murphy for a number of months to
17 years, and there was no evidence that this patient had
18 secondary gain based on his presentation to me.

19 Q Okay. Okay.

20 Thank you, Doctor.

21 MR. SCAHILL: Nothing further.

22 THE COURT: Any redirect, Mr. Breen?

23 MR. SCAHILL: Yes.

24 REDIRECT EXAMINATION

25 BY MR. BREEN:

1 Q Doctor, did you know that Mr. Murphy drove to
2 Florida because his mother was sick, and she had lived in
3 Florida, and he was going to visit her?

4 A I don't recall the reason why. I do know he
5 went there.

6 Q And do you know he went a second time because
7 unfortunately she died, and so he went to Florida --

8 MR. SCAHILL: Judge, I'm going to object to
9 this.

10 MR. BREEN: Judge --

11 THE COURT: Excuse me.

12 I'm going to allow it.

13 MR. BREEN: Thank you.

14 Q Did you know that?

15 A I don't recall the timelines.

16 Q Okay. When you looked at that 2003 -- can you
17 throw that up for me?

18 When you looked at that 2003 MRI that you read
19 the report of, and that we couldn't, unfortunately, not
20 get the films for, did that MRI report indicate that
21 there was any kind of impact on the nerves or the spinal
22 canal or the nerve roots?

23 A The only area that says anything about any
24 significance is that -- you read the body of the report,
25 okay, which is pretty much most of the yellow highlighted

1 area, except for the conclusion which, you know, is
2 printed out, Conclusion.

3 So, you look at the conclusion. The conclusion
4 says, two-level disc herniations, as described, with mild
5 stenosis. But when you go to the "as described" section,
6 he only describes the herniated disc at L5-S1. He calls
7 L3-L4 a disc budge, which are normal variance, disc
8 budge, I mean, that's what they do -- causing some mild
9 stenosis. It does not make any comment about nerve root
10 impingement.

11 At 5-1, he describes this advanced degenerative
12 changes. He makes degenerative changes, mild stenosis,
13 and mild to moderate exit foraminal encroachment. So,
14 there's some narrowing of the nerve roots exits at L5-S1,
15 where the herniation is and the advanced degenerative
16 changes. So, 5-1 does show changes at both sides of the
17 spine.

18 Q Okay. But when you look at the 2014 MRI that
19 was done Zwanger Pesiri, you note that in that report,
20 which was just after the accident, it shows, mass effect
21 of the L3 and L5 nerve roots.

22 A Correct.

23 Q All right. And it also shows compression of the
24 L5 nerve roots.

25 A Correct.

1 Q That's not anything that was reported back here,
2 was it?

3 A No, it was not.

4 Q Okay. Now, when Mr. Murphy saw you for the
5 first time, you took -- you had a history. And he told
6 you about the '90 accident, you know, on-the-job, and the
7 '94 accident, and all the way up to 2007.

8 A He told me he had a long history of pain up to
9 his last documented treatment in 2007.

10 Q And then he told you he was six years without
11 any treatment, or any kind of, you know, intervention
12 from any health care professional, right?

13 A That he did not have to seek any type of
14 treatment during that intervening time.

15 Q So, then, the motor vehicle accident happens, he
16 winds up at Stony Brook three days later, and winds up
17 going through intensive treatment at your office and back
18 surgery. Is that a coincidence, Doctor?

19 MR. SCAHILL: Objection.

20 Q Or is that a result of the motor vehicle
21 accident?

22 MR. SCAHILL: Objection, Judge. This is
23 beyond the scope of redirect.

24 MR. BREEN: It's directly on --

25 THE COURT: I'm going to allow it.

1 You may answer.

2 Q Do you understand the question?

3 A I think so. The patient had a history of back
4 pain on and off that required treatment for a period of
5 time. And then he had back pain that last needed
6 treatment, that we know of, in 2007, and is relatively
7 symptomatic, functioning and working until the motor
8 vehicle accident. He has increasing back pain, and now
9 of a radicular pain, radiating pattern down the leg that
10 now has had treatment directly under my office care, or
11 my associates, that doesn't respond to care. The new
12 MRIs are consistent with his presentation. He has failed
13 on nonoperative care. And he was, in my opinion,
14 appropriately indicated for surgery, if he was to pursue
15 it, based on the level of his symptoms that were limiting
16 his ongoing life. And he chose to do that. And that was
17 a direct consequence of the motor vehicle accident
18 history he gave me from September of 2014.

19 Q Thank you.

20 MR. BREEN: I have no further questions.

21 THE COURT: Is there any recross,

22 Mr. Scahill?

23 MR. SCAHILL: Yes. Thanks.

24 RECROSS-EXAMINATION

25 BY MR. SCAHILL:

1 Q Doctor, one more thing. The MRI that was taken
2 at your office's request in September of 2014, Mr. Breen
3 was just asking you about a mass effect on the right
4 L3-L4 nerve root. Do you have that report in front of
5 you, by the way?

6 A I have the report, yes. I believe I have the
7 report.

8 Q Yeah. Is there a quantifying word describing
9 the mass effect that Mr. Breen just asked you about?

10 A If you pull it up for me, it will be quicker, I
11 think. Let me just see if I have it in back. I believe
12 it said mild, but I have to look at it.

13 Q That is correct, Doctor?

14 A I have it. I have it. Hold on. I can tell you
15 exactly.

16 Q Okay. The findings -- all of findings on this
17 MRI report point to --

18 A At L3-4, he described mild mass effect.

19 Q "Mild" was the word?

20 A And at L4-5, he doesn't quantify it mild or
21 whatever. And at L5-S1, he describes the osteophytes
22 without nerve root compression.

23 Q Now, those osteophytes that were described, we
24 already talked about that, that's bony overgrowth that
25 happens over a number of years, correct?

1 A Yes.

2 Q Okay. There was an impression on the MRI that
3 was taken the same month as the automobile accident. The
4 impression is, multilevel lumbar degenerative disc
5 disease at various levels of the spine. Is that fair to
6 say?

7 A The actual wording is, multiple level lumbar
8 degenerative disc disease, most advanced at L5-S1. He
9 doesn't detail the levels.

10 Q The disc herniations, the disc descriptions all
11 found on this MRI that was taken in September of 2014,
12 those same findings can be on a 53-year-old male with a
13 history of back pain with or without a traumatic event.
14 Is that fair to say?

15 A Those degenerative changes would be universal on
16 the a 50-year-old male yes.

17 Q With or without a traumatic event.

18 So, everything that's written on this MRI can
19 happen to a 53-year-old male with or without a motor
20 vehicle accident. Is that fair to say?

21 A Yes.

22 MR. SCAHILL: Nothing further.

23 Thank you.

24 FURTHER REDIRECT EXAMINATION

25 BY MR. BREEN:

1 Q Would it be logical or would it be normal to
2 find he only read the first -- of the impressions there.

3 THE COURT: I think we already had cross --

4 MR. BREEN: I'm sorry, Judge. May I?

5 THE COURT: Okay. Well, we'd --

6 MR. BREEN: I'm just going to --

7 THE COURT: -- have to give another bite at
8 the apple to your adversary.

9 MR. BREEN: I'm just going to go over this
10 same report.

11 Q Mr. Scahill read only the first part of the
12 impression, which said, multilevel lumbar degenerative
13 disc disease, most advanced at L5-S1, right? Yes?

14 A Yes.

15 Q But there are two others right below that,
16 right?

17 A Correct.

18 Q Disc herniation at L3-4 with compression of the
19 right L3 and L4 nerve roots.

20 Compression causes pain, right?

21 A It can, yes.

22 Q And it causes nerve damage?

23 A It can.

24 Q And then it says, disc herniation at L4-5 with
25 compression of both the L5 nerve roots, right greater

1 than left. That's the full diagnosis, isn't it?

2 A Yes. I agreed to this diagnosis when I answered
3 my question yes to him.

4 Q Okay. Thank you.

5 THE COURT: Mr. Scahill.

6 FURTHER CROSS-EXAMINATION

7 BY MR. SCAHILL:

8 Q I asked you, Doctor: Can all of those findings
9 be with or without a traumatic event? And you said, yes.
10 Is that accurate?

11 A Yes, that is accurate.

12 Q Okay.

13 MR. SCAHILL: Nothing further.

14 Thank you.

15 A No, there's a motor vehicle accident -- you
16 said, could it be without a motor vehicle accident, is
17 the question.

18 Q With or without a traumatic event, I said.

19 A Is that a new question or the question you asked
20 me?

21 Q That's what I asked you before. All of the
22 findings on this MRI report can happen with or without a
23 traumatic event?

24 A I recall that you said with a motor vehicle
25 accident.

1 Q With or without a motor vehicle accident, all of
2 these findings can happen?

3 A Yes.

4 Q That's what I asked you.

5 MR. BREEN: One more.

6 THE COURT: I really think we're going to
7 draw a close.

8 MR. BREEN: Okay.

9 THE COURT: Okay.

10 Doctor, are those your own copies of the
11 papers that you have here? (Indicating.)

12 THE WITNESS: Those are what I brought in
13 this morning.

14 THE COURT: So, you're going to take them
15 with you, I take it.

16 THE WITNESS: Yes. Thank you.

17 THE COURT: So you may step down.

18 Thank you for your testimony.

19 I think we can close the item on the
20 screen.

21 MR. SCAHILL: Yes.

22 Thank you.

23 THE COURT: So, okay. So, I think at this
24 point we'll turn back -- are you ready to turn back
25 -- well, I guess Mr. Scahill was on cross-examination

1 of the plaintiff, I believe. That's where we left
2 off before we took the doctor out of order.

3 So, I'm going to ask Mr. Murphy to step
4 forward. Mr. Murphy.

5 Thank you.

6 COURT CLERK: Please keep in mind you're
7 still under oath, Mr. Murphy.

8 THE WITNESS: Yes.

9 CROSS-EXAMINATION

10 BY MR. SCAHILL:

11 Q Good afternoon, Mr. Murphy.

12 A Good afternoon.

13 Q When we left off yesterday, we were talking
14 about Dr. Wani, Shafi Wani, in Stony Brook.

15 Did you treat with that doctor in 2003?

16 A I did.

17 Q And did you treat with Dr. Wani for problems
18 that you had with your lower back?

19 A I did.

20 Q And did you report to Dr. Wani that you had not
21 only back pain, but it was radiating into your left
22 buttocks?

23 A I could have. I don't remember.

24 Q And did Dr. Wani send you for an MRI in 2003?

25 A He did.

1 Q And did you discuss with Dr. Wani the findings
2 from the MRI of 2003?

3 A I did. I don't remember what.

4 Q Or were you aware -- we just went through this
5 extensively with Dr. Dowling. Were you aware in 2003
6 that you were diagnosed with a two-level disc herniation
7 to the lower back?

8 A Okay.

9 Q Were you aware of that in 2003, that Dr. Wani
10 discussed that with you?

11 A It's Wani. Yes.

12 Q And now, did you ever tell Dr. Dowling's office
13 that you had a prior MRI of 2003?

14 A I -- probably not.

15 Q Were you asked by any of the doctors in his
16 practice whether or not you had prior diagnostic testing,
17 such as an MRI?

18 A I could have been asked.

19 Q And did you report to them about this prior MRI?

20 A Probably not, because I probably wouldn't have
21 remembered it.

22 Q Okay. And how about the treatment that you had
23 with Dr. Mackey? Did you -- I'm going to go through some
24 of her records. 2007 you went to Dr. Mackey. You
25 complained of sharp pain and tingling in the lower back

1 that was 8 on a scale of 0 to 10, and that you had the
2 condition for over eight -- over 17 years, and that it
3 was a gradual progression of pain to the back. Is that
4 all accurate?

5 A I'm sorry. Say that again?

6 Q In 2007, and this is a note from March 27, 2007,
7 from Dr. Mackey. You went to her complaining of sharp
8 pain, tingling and stiffness in your lower back.

9 A Yes.

10 Q And you report to her that on a scale of 0 to
11 10, you had 8 out of 10 pain in your lower back?

12 A Yes.

13 Q And you told her that those symptoms occurred
14 over a period of 17 years, and that they gradually
15 increased over that period of time, correct?

16 A I don't know if I told her that. Normally, if I
17 would see a doctor, I would just say that I had prior
18 back issues, so they knew about it. I don't -- I don't
19 recall the verbiage.

20 Q The question was: Did the symptoms begin
21 gradually over time, or suddenly? And you answered, over
22 time. That's accurate?

23 A That's accurate. But I would also explain that
24 if I went to a chiropractor, if I went to a physical
25 therapist, those pains would go away.

1 Q Okay. When you saw her in March of 2007, you
2 filled out a questionnaire as far as the intensity of the
3 pain. You wrote, or you circled, the pain comes and goes
4 and it's very severe. It interferes with your sleep.
5 You can only stand for a half-hour without increasing
6 pain. You cannot walk more than a mile, and that your
7 pain is gradually worsening. Is that an accurate
8 depiction of how you were in March of 2007?

9 A Yes, sir.

10 Q Is it also true that you went to Dr. Sterling,
11 and you told Dr. Sterling that you had a history of
12 chronic back pain? Is that also true?

13 A I told him I had a history of back pain, yes.

14 Q Of chronic back pain?

15 A I don't know if I would have said chronic, but I
16 know I would have said I had a history of back pain.

17 Q Okay. And that resulted in frequent flare-ups?

18 A I wouldn't say frequent. I would say it flared
19 up from time to time.

20 Q I want to show you your treatment record from
21 that facility. Here's a treatment record from North
22 Shore Sports Medicine and Rehabilitation. 47-year-old,
23 YO, year old, long HX, history, LBP, is lower back pain,
24 C, with a line over it, is Latin for "come," with
25 frequent flare-ups.

1 Is that a fair -- and I'll give you the date of
2 this. This is your treatment with a physical therapist
3 Georgina Polimini (ph), at North Shore Sports Medicine
4 and Rehab in 2007. Is that a fair description of what
5 you told North Shore Sports Medicine and Rehabilitation
6 in 2007?

7 A She could -- yeah -- I don't know if I would
8 have said frequent. I mean, I would have explained it,
9 it flared up if I did something to aggravate it.

10 Q You would agree with me that it says "frequent
11 flare-up"?

12 A Yes, sir.

13 Q Okay. I also wanted to show you the records
14 from Dr. Dowling's office. When you first went to
15 Dr. Dowling, and you treated with Dr. Patel, the
16 physiatrist that Dr. Dowling just described earlier,
17 correct?

18 A Yes.

19 Q And when you went to Dr. Patel, were you asked,
20 did you have a history of lower back pain? Were you
21 asked that question?

22 A I don't recall.

23 Q Okay. Did you report to them a history of lower
24 back pain?

25 A I would have, yes.

1 Q Okay. I went through this at length with
2 Dr. Dowling, but every one of your visits --

3 A I heard.

4 Q Do you have any explanation for the lack of an
5 accurate medical history in your own records from
6 Dr. Dowling's office?

7 A I don't.

8 Q Okay. But you would agree that the history as
9 recorded is completely inaccurate because at that time in
10 2014, you had a 24-year history of chronic back pain?

11 A Well, I wouldn't say that was all inaccurate.

12 Q Well, the history I'm talking about, when it
13 doesn't say anything about your prior back pain.

14 A I don't know if I would consider that inaccurate
15 if it just didn't say it.

16 Q Okay. There's a glaring omission. I'll use a
17 different terminology.

18 A I would say omission. You know. I mean, I've
19 -- whenever I saw a doctor, I would tell them I had --

20 Q -- a long history of lower back pain.

21 A -- a long history, yes.

22 Q Now, let me ask you a little bit about the
23 accident. That Silverado truck, you would use that for
24 work?

25 A Both.

1 Q Yeah. That was a leased vehicle out of your
2 business?

3 A Not out of my business, no.

4 Q But you used it for business --

5 A I would use it to get back and forth to work.

6 Q Okay. This damage that's shown in the
7 photograph to the bumper, that was repaired, correct?

8 A That's correct.

9 Q And you continued to use that vehicle after the
10 accident, correct?

11 A That's correct.

12 Q The bumper was taken off and replaced, and that
13 toe hitch was replaced. And that cost about \$3,000 in
14 damages, right?

15 A Plus the front grille, correct.

16 Q Okay. At the time of the accident, you're in a
17 bucket seat, right, a cushioned bucket seat, not a bench?

18 A It's -- it was a bench seat.

19 Q It's a bench seat in the fronted of that
20 Silverado, correct?

21 A Yes, correct.

22 Q You're wearing a seatbelt?

23 A I was.

24 Q It's going across your shoulder and across your
25 lap?

1 A Yes, it did.

2 Q Did your seatbelt restrain you in this accident?

3 A Yes.

4 Q Did it hold you back?

5 A Yes.

6 Q It held you back into the seat?

7 A Yes.

8 Q The vehicle was equipped with air bags?

9 A Right.

10 Q The air bags did not go off?

11 A No.

12 Q We went through this, and Mr. Breen went through
13 this. Police came to the scene, they asked you if you
14 wanted an ambulance, and you said no. Is that fair to
15 say?

16 A Yes.

17 Q Three days later you told us that you went to
18 Stony Brook Hospital. Do you recall being told by the
19 medical professionals at Stony Brook that you had a
20 strain to your lower back?

21 A I really don't recall what they told me.

22 Q Okay. Is it fair to say, Mr. Murphy, that at
23 this point you've gone back to full duty at work?

24 A No.

25 Q Prior to the accident, you worked four days a

1 week?

2 A Prior to the accident -- yeah, that was my
3 schedule, but I could have worked more.

4 Q Do you work four days a week now?

5 A No.

6 Q How many days a week do you work now?

7 A Possibly two. Two, sometimes three.

8 Q Okay. And are there any restrictions on your
9 driving at this point?

10 A No.

11 Q Are there any -- did any doctor tell you to stay
12 out of work?

13 A As of when?

14 Q As of now.

15 A As of now? No.

16 Q You haven't seen Dr. Dowling, other than seeing
17 him today in court, you haven't been back to his office
18 in over a year?

19 A No. I just saw him -- I saw him within the last
20 month.

21 Q Did he discharge you from treatment, told you
22 don't come back to me unless you have any problems?

23 A No.

24 Q Okay. Are you taking any medication now for
25 your back other than over-the-counter?

1 A I am.

2 Q As far as your activities of daily living, I
3 know you said you can't do things that you used to do,
4 boating, other activities. Other than those activities
5 that you described earlier, you're back to the normal
6 daily activities of your daily life, is that --

7 A No.

8 Q You're able to do things without restrictions?

9 A No.

10 Q Well, we saw the video of your working. You're
11 able to perform at that level, correct?

12 A Well, I --

13 Q Is that fair?

14 A As what level is that? I don't understand --

15 Q As shown in the video.

16 A I just don't understand that question. I'm
17 sorry.

18 MR. SCAHILL: Okay.

19 Nothing further.

20 Thank you.

21 THE COURT: Mr. Breen.

22 MR. BREEN: Yes. Thank you.

23 REDIRECT EXAMINATION

24 BY MR. BREEN:

25 Q Did you go to Florida twice during the time that

1 you were out of work?

2 A I did.

3 Q Why did you go there?

4 A Cause my mother was ill, and then she had passed
5 away last November.

6 Q If your mother lived in Philadelphia, would you
7 have gone to Philadelphia rather than Florida?

8 A Yes.

9 Q All right. How did you get to Florida the first
10 time when your mother was ill?

11 A The first time I flew.

12 Q Okay. Now, the second time she died,
13 unfortunately?

14 A Correct.

15 Q How did you get there that time?

16 A I drove.

17 Q Did you drive or did your wife drive?

18 A My wife drove.

19 Q Did you come back together?

20 A No.

21 Q How did you come back?

22 A She flew back; I drove back.

23 Q Did you drive back?

24 A I did. I drove to Orlando. And I ended up
25 getting an Amtrak, which took me to Virginia, because the

1 trip there with my wife was -- I was just in a lot of
2 pain.

3 Q Okay. You called the Stony Brook emergency room
4 on 11-7, approximately two months after your accident, to
5 ask them for a disability note from the 16th, when you
6 went there, up until the 25th, when you eventually and
7 finally went to Long Island Spine. Why did you do that?

8 A Because the adjuster -- I believe the adjuster
9 might have been asking me for that note so they could pay
10 me.

11 Q Did you ever get paid?

12 A I did.

13 Q Okay. Did you call them once, by the way, or
14 did you call them more than once?

15 A I only called them once.

16 MR. BREEN: I'm not sure what number we're
17 up to.

18 Officer, can you mark this document as
19 Plaintiff's --

20 THE COURT: We up to 7.

21 COURT OFFICER: -- Plaintiff's 7.

22 MR. BREEN: Seven.

23 THE COURT: That would be for ID.

24 MR. BREEN: Yes.

25 Any objection, Frank?

1 MR. SCAHILL: No objection.

2 MR. BREEN: Okay. Right into evidence,
3 please.

4 THE COURT: So, Mr. Scahill, you don't
5 object to this coming into evidence?

6 MR. SCAHILL: No, your Honor.

7 THE COURT: Okay. Then, we'll mark it
8 right in.

9 COURT OFFICER: Plaintiff's 7 in evidence.
10 (Plaintiff's Exhibit 7 was received in
11 evidence.)

12 COURT OFFICER: Being shown to the witness.
13 (Hanging.)

14 Q Mr. Murphy, have you ever seen this document
15 before?

16 A Yes.

17 Q It's a case snapshot from workers' comp. of all
18 the treatment that you received. Unfortunately, it only
19 goes back to 1995, so it doesn't include your 1990, okay?

20 A Okay.

21 Q All right. But in 1995, when you had that
22 second workers' comp. claim in February, it then tells
23 or, gives a, as they call it, a snapshot of every time
24 you went to see a doctor.

25 A Yes.

1 Q Now, for most of this time you were working,
2 right?

3 A Yes.

4 MR. SCAHILL: I'd like to clarify, Judge.
5 This isn't a list of his treatment dates, this is the
6 decisions that were issued by the board with respect
7 to specific things. This is not comprehensive with
8 all of his treatment dates.

9 MR. BREEN: You can cross-examine.

10 MR. SCAHILL: Okay. Except to say the
11 years that he had treatment.

12 THE COURT: Okay. Well, can you clear that
13 up a little bit, perhaps, Mr. Breen?

14 Q So, looking at this document.

15 A Okay.

16 Q In 1995, it looks like you had treatment maybe
17 once to twice a month with Dr. David Wallman. Is he a
18 chiropractor?

19 A He is.

20 Q Now, I presume that when you first went to see
21 him, you had sharp pains?

22 A Yes.

23 Q Like you saw with Dr. Mackey, that Mr. Kayhill
24 -- Scahill showed you, also a chiropractor, right,
25 Dr. Mackey?

1 A Correct.

2 Q And they had you fill out forms?

3 A Correct.

4 Q And in the beginning you mentioned that it was
5 sharp pains. And then what happened?

6 A He would treat me.

7 Q And?

8 A And I'd get better.

9 Q Okay. In '96, it looks like you treated about
10 -- well, some of them are just decisions. But do you
11 know how many times you treated in 1996 with Dr. Wallman,
12 W-a-l-l-m-a-n, chiropractor?

13 A Well, it's '96. I mean, it says here once.

14 Q Okay. And as we go through the years, it looks
15 like some years you treated twice, three times in a year;
16 is that accurate?

17 A Yeah.

18 Q Okay. And the last one being 2007, right? I'm
19 sorry, 2008, Dr. Sterling, right?

20 A Okay.

21 Q Do you see that?

22 A Yes, yes.

23 Q And then it goes on to your newer treatment.

24 There's no question, and we're not hiding the
25 fact that you had lower back pain starting in 1990,

1 right?

2 A Right.

3 Q Was it consistent? Was it gradual? Did it get
4 worse, worse, worse, worse, worse, or did it get better?
5 I mean, you tell us, what happened?

6 A I could do something; I would throw the back
7 out. I go and I get adjusted, I go to a physical
8 therapist, and I was fine. You know, it just -- it was
9 the treatment, and then I was okay.

10 Q In '95, you were working for Smithtown Ford?

11 A Correct.

12 Q And you then went out on workers' comp. for how
13 many months, do you remember? '95 accident.

14 A I'm trying to think. I -- I went out in
15 February. I guess about five months.

16 Q Okay. And during that time, you were getting
17 workers' compensation benefits?

18 A Correct.

19 Q What did you do next? You didn't go back to
20 that job.

21 A I didn't.

22 Q So, what did you do?

23 A After I left Smithtown Ford, I ended up working
24 for a bus company for a year.

25 Q And was that in 2000 --

1 A No.

2 Q No?

3 A 1996.

4 Q '96. You drove a bus?

5 A The '96, '97 season, yes.

6 Q And then what?

7 A Well, I had the carpet cleaning. So, I would
8 drive the bus and, um, when I would drop the kids off, I
9 would, if I had a job with the carpet cleaning -- I was
10 trying to build up the carpet cleaning so I didn't have
11 to drive a school bus.

12 Q Well, the carpet cleaning business, was that
13 something that you walked into and there was a lot of
14 work? Or --

15 A No. It's something that I had to build up. At
16 first, I was doing friend's carpets. I did my mom's
17 carpet. So, you know, so it was friends, family. You
18 know. And I just -- I had to build it up. It's not
19 something that I had gotten and I just had accounts.

20 Q Now, you were asked yesterday about the type of
21 work that is. And you're working with a machine --

22 A Correct.

23 Q -- right? Is that a machine that you were able
24 to handle yourself?

25 A Sure.

1 Q How long did you do that work for?

2 A I had -- I had that business till 2011, is when
3 I ended that.

4 Q And that's when you opened the bagel shop --

5 A I opened the bagel shop in '09. So, I actually
6 would still do carpets --

7 Q So, you were working both jobs?

8 A I was working both jobs, correct.

9 Q And we heard that you tried, or you did open a
10 second bagel shop.

11 A Correct.

12 Q When was that initiated?

13 A Well, I started -- I started negotiations for
14 the building probably in spring to -- spring, summer of,
15 I forget the year that was.

16 Q Was it before or after the accident?

17 A It was before the accident.

18 Q Before the accident?

19 A Yeah, it was just before the accident. So --

20 Q So, spring and summer of --

21 A -- 2014.

22 THE WITNESS: Oh, I'm sorry.

23 THE COURT: Yes, we just need to have one
24 at a time.

25 Q So, did you start that business before the

1 accident?

2 A Yes.

3 Q So, that was the spring of 2014?

4 A Correct.

5 Q And that's the business that you told us
6 eventually you had to give up because you couldn't keep
7 it up?

8 A Yes. But I didn't open the business until
9 October. Or later. It might have been January. But I
10 started negotiations, I started putting the money out
11 before I got into the accident. So, the money was
12 already set forward to, you know, start the business. I
13 had, you know, my daughter and son-in-law were on board.
14 I mean, I wasn't planning on getting into a motor vehicle
15 accident.

16 Q Okay. There came a time before you went back to
17 work that you joined a gym and started going back to the
18 gym.

19 A Correct.

20 Q What gym and when did that start?

21 A It's a new gym. It's called Orange Theory, and
22 I started that -- Dr. Dowling gave me the okay in
23 September of -- the beginning of September 2016.

24 Q And you went to the gym how often?

25 A As often as I could.

1 Q Every day? Every other day? What?

2 A Well, I didn't go every day, and they had a, um,
3 a weight loss challenge, so at that time I had gone every
4 day because it was a six-week thing, and you had to go --
5 well, you had to go at least three to four times a week,
6 anyway. But I pretty much went every day.

7 Q So, the video that we saw a little snippet of
8 from the 28th of September 2016, was a couple of weeks
9 after you had already started going back to the gym?

10 A That's correct.

11 Q And you were back at work?

12 A That's correct.

13 Q And how long was it after your surgery? The
14 surgery was May of -- 2015?

15 A -- 2015. So, a little over a year.

16 Q A year and four months?

17 A A year and four months.

18 Q Okay. Thank you.

19 MR. SCAHILL: Nothing further, your Honor.

20 THE COURT: No recross? Okay, then.

21 Mr. Murphy, you may step down.

22 THE WITNESS: Thank you.

23 THE COURT: Okay. I think it's a good time
24 to break for lunch, and we will come back at 2:15.

25 Let me give my usual reminders to the jury

1 about behavior during the break.

2 Not to discuss the case amongst yourselves
3 or anyone else.

4 Not to do any independent research or look
5 up anything about the case or the subject matters
6 that we have heard about this morning, or any other
7 time during the case.

8 Not to discuss or accept any payment or
9 benefit for supplying information about the case, and
10 to please promptly report any incident involving any
11 attempt to improperly influence you.

12 So, we will regroup promptly at 2:15.

13 We're adjourned.

14 COURT OFFICER: All rise. Jury exiting.
15
16
17
18
19
20
21
22
23
24
25

\$	1990s [1] - 4:10 1992 [1] - 3:25 1995 [3] - 113:19, 113:21, 114:16 1996 [2] - 115:11, 117:3	3	9	
\$3,000 [1] - 107:13		3 [2] - 15:1, 87:16 3-4 [12] - 10:3, 24:1, 24:4, 24:12, 24:16, 25:10, 34:12, 34:20, 34:21, 34:24, 35:1, 41:15 30 [3] - 1:11, 18:12, 43:5 30s [2] - 66:4, 66:5 35 [1] - 43:5	9-13 [1] - 69:22 9-13-14 [2] - 6:18, 7:5 9-25-14 [2] - 4:23, 55:11 9-3-14 [1] - 70:7 90 [3] - 5:17, 15:3, 40:19	
'	2	4	A	
'09 [1] - 118:5 '90 [1] - 94:6 '90s [1] - 29:5 '92 [1] - 4:10 '93 [1] - 4:10 '94 [1] - 94:7 '95 [2] - 116:10, 116:13 '96 [4] - 115:9, 115:13, 117:4, 117:5 '97 [1] - 117:5	2 [3] - 1:17, 15:1, 87:16 2-3 [1] - 41:23 20 [5] - 39:20, 43:6, 43:7, 53:1, 53:2 200 [1] - 86:13 2000 [2] - 67:6, 116:25 2000s [1] - 29:8 2002 [1] - 24:21 2003 [33] - 24:21, 24:23, 26:17, 27:6, 27:7, 27:9, 28:25, 31:23, 61:19, 61:22, 62:23, 63:23, 64:4, 64:21, 65:3, 65:14, 66:3, 66:8, 66:20, 70:8, 70:10, 70:19, 71:1, 71:5, 86:23, 92:16, 92:18, 101:15, 101:24, 102:2, 102:5, 102:9, 102:13 2007 [21] - 29:9, 67:10, 71:17, 72:5, 72:25, 73:4, 73:9, 73:20, 74:14, 86:24, 94:7, 94:9, 95:6, 102:24, 103:6, 104:1, 104:8, 105:4, 105:6, 115:18 2008 [5] - 29:17, 30:11, 33:14, 35:24, 115:19 2011 [1] - 118:2 2014 [17] - 4:14, 55:8, 55:21, 56:17, 59:4, 61:11, 63:19, 86:5, 87:2, 88:23, 93:18, 95:18, 96:2, 97:11, 106:10, 118:21, 119:3 2015 [14] - 25:25, 26:2, 55:22, 60:11, 63:1, 63:5, 66:9, 67:1, 67:4, 73:19, 80:16, 81:5, 120:14, 120:15 2016 [8] - 67:12, 69:2, 69:8, 90:19, 90:22, 90:23, 119:23, 120:8 2017 [1] - 1:11 210 [1] - 1:21 24-year [1] - 106:10 25 [2] - 55:8, 56:17 25-year [3] - 67:1, 67:5, 88:21 25-year-old [1] - 43:13 25th [1] - 112:6 27 [1] - 103:6 28th [1] - 120:8 29 [3] - 29:17, 30:11, 59:4 2:15 [2] - 120:24, 121:12	4 [1] - 42:15 4-5 [10] - 20:11, 24:2, 24:12, 24:15, 27:19, 34:12, 34:22, 34:25, 35:2, 41:15 40 [1] - 43:5 400 [1] - 43:13 47-year-old [1] - 104:22	able [8] - 5:24, 37:8, 83:19, 85:21, 85:24, 110:8, 110:11, 117:23 abnormal [5] - 27:21, 44:18, 65:4, 65:23, 66:4 abnormality [1] - 65:10 absolutely [1] - 13:6 accept [2] - 49:25, 121:8 accepted [1] - 81:7 accident [82] - 6:16, 6:17, 6:18, 7:5, 7:7, 31:2, 33:16, 34:5, 35:16, 35:17, 35:25, 36:6, 36:10, 44:2, 44:25, 45:7, 45:13, 45:18, 46:17, 46:21, 47:3, 47:9, 53:20, 53:25, 60:10, 61:11, 63:19, 64:3, 64:17, 67:20, 67:23, 68:5, 68:6, 69:22, 74:19, 77:5, 77:11, 77:20, 77:23, 78:19, 79:1, 80:1, 80:8, 80:21, 81:2, 82:3, 82:17, 84:16, 85:2, 85:7, 85:13, 88:22, 89:1, 89:13, 93:20, 94:6, 94:7, 94:15, 94:21, 95:8, 95:17, 97:3, 97:20, 99:15, 99:16, 99:25, 100:1, 106:23, 107:10, 107:16, 108:2, 108:25, 109:2, 112:4, 116:13, 118:16, 118:17, 118:18, 118:19, 119:1, 119:11, 119:15 accidents [1] - 35:5 accommodate [1] - 40:4 account [3] - 45:4, 89:18, 91:13 accounts [1] - 117:19 accuracy [3] - 54:25, 55:1, 60:7 accurate [20] - 61:6, 63:23, 64:4, 64:6, 69:5, 69:6, 70:17, 70:21, 80:7, 81:21, 83:23, 83:25, 99:10, 99:11, 103:4, 103:22, 103:23, 104:7, 106:5, 115:16 accurately [2] - 56:13, 79:12 achy [1] - 31:9 acid [2] - 56:11, 56:14 action [1] - 11:3 activities [8] - 35:20, 35:23, 36:7, 110:2, 110:4, 110:6	
0	0 [7] - 33:10, 72:19, 72:20, 72:21, 73:1, 103:1, 103:10 000943/2015 [1] - 1:5	5		
1	1 [5] - 15:1, 45:24, 72:18, 79:23, 87:16 10 [11] - 15:9, 39:19, 39:20, 72:18, 72:19, 72:20, 72:21, 73:1, 103:1, 103:11 10-2 [2] - 58:18, 58:20 10-29-14 [1] - 59:6 10-plus [1] - 72:20 100 [5] - 24:15, 37:6, 37:12, 44:7, 86:10 1065 [1] - 1:21 11-7 [1] - 112:4 11714 [1] - 1:21 11725 [1] - 2:11 11749 [1] - 1:18 12-2 [1] - 59:13 13 [2] - 81:4, 83:8 1355 [1] - 1:17 15 [2] - 9:21, 24:17 15,000 [1] - 53:7 150 [1] - 86:13 15th [1] - 25:24 16 [1] - 90:18 16th [1] - 112:5 17 [3] - 87:1, 103:2, 103:14 17-year [1] - 73:4 1763 [1] - 2:11 18-year-old [1] - 15:17 1981 [2] - 3:1, 3:3 1983 [2] - 3:9, 3:12 1987 [2] - 3:12, 3:13 1988 [3] - 3:20, 3:21, 4:5 1990 [7] - 67:2, 67:6, 76:16, 76:22, 76:25, 113:19, 115:25	5 [2] - 33:10, 39:19 5,000 [1] - 43:1 5-1 [12] - 22:25, 25:9, 27:19, 34:12, 34:13, 41:14, 41:22, 42:8, 42:9, 44:20, 93:11, 93:16 50 [12] - 1:1, 15:10, 27:20, 37:7, 41:2, 43:5, 44:10, 69:3, 69:20, 70:5, 73:12, 88:16 50,000 [1] - 42:24 50-year-old [1] - 97:16 50-years [1] - 44:6 50s [1] - 86:14 53 [1] - 6:19 53-year-old [2] - 97:12, 97:19 5th [1] - 29:10		
		6		
		6 [4] - 27:7, 27:9, 69:2, 69:7 60 [2] - 37:7, 41:2 6th [2] - 27:8, 67:12		
		7		
		7 [5] - 90:23, 112:20, 112:21, 113:9, 113:10 7,500 [1] - 53:7 75 [1] - 86:11		
		8		
		8 [3] - 72:25, 103:1, 103:11 80 [1] - 41:3 80s [1] - 40:13		

acts [1] - 40:24
actual [10] - 20:2, 20:4, 20:14, 25:4, 27:8, 27:9, 61:24, 62:11, 65:1, 97:7
acute [4] - 43:14, 81:24, 82:4, 82:16
ADAMO [1] - 1:8
Adamo [1] - 51:23
Adamo's [1] - 46:10
adapted [1] - 48:25
addendum [1] - 55:15
addition [2] - 28:18, 41:4
additional [1] - 41:17
address [1] - 2:9
addressed [6] - 84:2, 84:3, 84:4, 84:8, 86:3, 86:6
adjacent [3] - 34:11, 34:12, 41:25
adjourned [1] - 121:13
adjusted [1] - 116:7
adjuster [2] - 112:8
advanced [7] - 16:4, 28:22, 44:20, 93:11, 93:15, 97:8, 98:13
advantage [1] - 26:5
adversary [1] - 98:8
Advil [1] - 7:21
affect [1] - 47:16
affected [2] - 46:17, 47:4
affecting [2] - 23:23, 24:13
afforded [1] - 74:9
afternoon [2] - 101:11, 101:12
age [19] - 15:9, 15:12, 15:14, 15:23, 18:10, 18:14, 41:12, 42:2, 44:10, 44:11, 44:22, 65:7, 65:25, 69:21, 70:6, 71:17
age-related [1] - 41:12
aged [2] - 15:15, 27:23
ages [2] - 43:4, 44:14
aggravate [1] - 105:9
aggravation [1] - 36:16
aging [2] - 15:9, 23:22
ago [1] - 62:15
agree [6] - 25:11, 57:7, 85:6, 86:2, 105:10, 106:8
agreed [1] - 99:2
ahead [2] - 15:12, 32:10
air [2] - 108:8, 108:10
Aleve [1] - 7:21
allow [4] - 48:7, 90:3, 92:12, 94:25
allowing [1] - 38:10
almost [5] - 10:9, 14:1, 15:11, 15:20, 19:11
alone [1] - 41:15
altering [1] - 39:14
alternatives [1] - 45:9

ambulance [1] - 108:14
amount [1] - 14:7
Amtrak [1] - 111:25
analyze [1] - 48:12
anatomical [1] - 65:11
anatomy [1] - 19:7
aneurysms [1] - 88:7
animation [1] - 75:25
ankles [1] - 33:6
answer [18] - 32:9, 32:10, 48:7, 50:15, 53:15, 53:16, 60:21, 63:21, 64:23, 65:24, 68:1, 68:8, 68:9, 71:8, 72:11, 85:16, 95:1
answered [5] - 49:10, 53:15, 64:19, 99:2, 103:21
answers [1] - 88:11
anti [3] - 7:20, 7:22, 7:23
anti-inflammatories [3] - 7:20, 7:22, 7:23
anyway [1] - 120:6
aorta [1] - 20:14
appear [2] - 20:7, 52:22
appearance [1] - 53:3
apple [1] - 98:8
approaches [1] - 21:20
appropriately [1] - 95:14
April [6] - 29:17, 30:11, 30:23, 67:12, 69:2, 69:7
area [15] - 10:7, 16:22, 17:15, 19:19, 19:25, 23:6, 23:18, 24:12, 49:7, 70:23, 79:4, 79:5, 92:23, 93:1
areas [2] - 20:22, 46:5
arm [1] - 8:23
Army [1] - 89:14
arthritic [2] - 22:19, 72:15
arthritis [1] - 16:4
Asprin [1] - 7:21
assistance [1] - 21:10
assisting [1] - 86:12
associate [1] - 55:18
associated [4] - 8:9, 31:11, 81:19, 85:12
associates [3] - 6:5, 57:5, 95:11
assume [19] - 28:24, 29:15, 30:24, 35:18, 36:2, 45:21, 46:1, 46:3, 46:7, 46:10, 46:13, 47:24, 57:7, 57:10, 57:11, 86:20, 90:6, 90:9, 90:20
assuming [2] - 57:11, 74:22
asthma [1] - 14:15
attachments [1] - 19:18
attempt [2] - 50:3, 121:11
attended [1] - 4:8
attorney [1] - 52:11
Attorney [2] - 1:17, 1:20

automobile [1] - 97:3
Avenue [1] - 1:21
average [3] - 18:8, 18:9, 42:1
average-sized [1] - 18:8
averages [1] - 39:11
aware [12] - 39:20, 60:1, 61:21, 73:1, 73:3, 73:6, 73:9, 91:2, 91:4, 102:4, 102:5, 102:9
awhile [1] - 15:8

B

background [2] - 2:24, 5:7
backyard [1] - 18:11
bad [6] - 5:10, 21:24, 24:4, 39:5, 41:17, 42:8
bagel [3] - 118:4, 118:5, 118:10
bags [2] - 108:8, 108:10
baker [1] - 7:10
bakery [1] - 7:10
base [2] - 27:24, 27:25
based [31] - 11:10, 15:23, 17:2, 28:15, 34:22, 34:23, 45:11, 48:12, 53:25, 54:3, 54:6, 60:11, 60:24, 60:25, 61:1, 64:21, 65:25, 66:20, 69:19, 69:21, 70:4, 70:6, 74:21, 75:1, 75:2, 83:18, 89:6, 89:7, 91:18, 95:15
basing [1] - 60:8
basis [2] - 69:25, 91:9
bathroom [1] - 6:25
bearing [2] - 22:4, 77:16
became [1] - 38:22
become [4] - 22:19, 38:20, 66:1, 66:2
began [1] - 73:5
begin [1] - 103:20
beginning [2] - 115:4, 119:23
behavior [1] - 121:1
behind [1] - 2:4
below [4] - 15:20, 23:4, 28:20, 98:15
bench [3] - 107:17, 107:18, 107:19
benefit [4] - 50:1, 70:7, 70:9, 121:9
benefits [5] - 38:16, 38:17, 38:25, 90:4, 116:17
best [1] - 23:10
Bethpage [1] - 1:21
better [10] - 26:13, 37:8, 37:11, 38:6, 38:11, 39:7, 41:19, 45:9, 115:8, 116:4
between [5] - 35:11, 35:24, 43:4, 46:1, 68:22
beyond [1] - 94:23

big [4] - 18:7, 18:8, 22:2, 23:3
bigger [3] - 22:3, 22:4, 23:4
biggest [1] - 38:5
bilaterally [2] - 79:15, 79:21
biomechanics [3] - 45:13, 46:16, 49:1
bite [7] - 2:23, 10:23, 20:6, 23:4, 28:7, 106:22, 114:13
bite [1] - 98:7
black [1] - 20:3
bladder [1] - 88:8
blew [1] - 43:16
block [2] - 37:12, 37:13
blueprint [1] - 9:20
Board [3] - 4:3, 52:20, 57:6
board [3] - 40:5, 114:6, 119:13
boating [1] - 110:4
bodies [1] - 76:6
body [7] - 25:5, 25:8, 38:10, 46:17, 47:5, 64:24, 92:24
bolted [1] - 46:6
bone [11] - 10:9, 15:20, 15:21, 19:17, 19:24, 22:2, 84:5, 84:7, 85:22, 85:25
bones [10] - 9:11, 10:3, 10:10, 10:15, 10:16, 14:11, 19:16, 28:21, 40:14, 40:20
bony [7] - 75:18, 76:10, 84:2, 84:3, 84:19, 84:23, 96:24
born [3] - 15:3, 18:7, 18:8
Boston [1] - 2:25
bottom [5] - 14:25, 17:23, 21:1, 30:12, 83:8
box [1] - 29:19
brace [1] - 40:25
brain [4] - 3:7, 9:7, 9:9, 14:7
branch [1] - 37:13
bread [1] - 18:25
break [3] - 49:15, 120:24, 121:1
BREEN [53] - 1:16, 2:1, 2:14, 2:16, 2:18, 12:3, 12:7, 12:11, 12:18, 13:19, 26:15, 26:18, 26:21, 27:3, 29:12, 29:18, 29:24, 30:3, 30:7, 30:14, 30:16, 30:22, 33:22, 34:1, 42:15, 42:19, 47:18, 47:21, 49:11, 50:18, 51:11, 62:2, 68:20, 85:16, 85:18, 91:25, 92:10, 92:13, 94:24, 95:20, 97:25, 98:4, 98:6, 98:9, 100:5, 100:8, 110:22, 110:24, 112:16, 112:22, 112:24, 113:2, 114:9
Breen [12] - 11:25, 13:17, 42:13, 51:9, 61:18, 61:23, 91:22, 96:2, 96:9, 108:12, 110:21, 114:13

bridge [1] - 18:19
briefly [1] - 40:5
bring [6] - 7:24, 14:17, 19:6, 26:15, 29:12, 45:20
broad [2] - 28:15, 34:22
broad-based [2] - 28:15, 34:22
broke [1] - 48:19
broken [1] - 46:14
Brook [18] - 3:10, 7:12, 61:19, 64:22, 70:19, 77:4, 77:12, 77:17, 77:23, 77:25, 78:25, 79:25, 80:9, 94:16, 101:14, 108:18, 108:19, 112:3
brothers [1] - 16:6
brought [2] - 5:11, 100:12
bucket [2] - 107:17
budge [3] - 28:9, 93:7, 93:8
build [3] - 117:10, 117:15, 117:18
building [1] - 118:14
bulges [1] - 44:8
bulging [2] - 25:9, 25:16
bump [1] - 16:11
bumper [2] - 107:7, 107:12
bumps [2] - 16:13, 18:1
bunch [1] - 17:22
bungee [1] - 39:25
burnishing [1] - 15:21
bus [4] - 116:24, 117:4, 117:8, 117:11
business [9] - 107:2, 107:3, 107:4, 117:12, 118:2, 118:25, 119:5, 119:8, 119:12
busy [1] - 44:8
buttock [1] - 8:16
buttocks [1] - 101:22
BY [9] - 1:22, 2:18, 51:18, 91:25, 95:25, 97:25, 99:7, 101:10, 110:24

C

C1 [1] - 10:10
C7 [1] - 10:10
cake [1] - 14:12
camera [1] - 20:17
canal [10] - 17:13, 17:25, 18:1, 18:10, 19:25, 24:9, 37:16, 41:11, 92:22
canals [4] - 18:8, 18:9, 18:10
cannot [3] - 73:12, 73:14, 104:6
car [14] - 15:7, 49:3, 53:20, 60:9, 63:19, 64:3, 64:16, 67:19, 68:5, 74:19, 77:11, 85:2, 85:7, 88:22
care [7] - 48:22, 69:20, 70:5,

94:12, 95:10, 95:11, 95:13
career [1] - 53:1
carpet [5] - 117:7, 117:9, 117:10, 117:12, 117:17
carpets [2] - 117:16, 118:6
carried [1] - 27:25
carrier [2] - 90:3, 90:15
cars [1] - 49:1
case [27] - 16:18, 42:10, 49:21, 50:2, 51:22, 52:10, 52:11, 57:1, 57:3, 60:2, 61:10, 63:13, 69:8, 69:15, 86:17, 86:23, 88:3, 88:18, 89:9, 90:15, 90:16, 91:15, 113:17, 121:2, 121:5, 121:7, 121:9
cases [4] - 52:2, 52:3, 52:9, 52:13
CAT [1] - 77:15
Catherine [2] - 81:13, 83:9
cauda [1] - 17:19
causation [2] - 63:25, 71:3
caused [13] - 35:4, 45:1, 45:2, 46:3, 46:4, 46:23, 48:4, 63:19, 64:2, 74:19, 81:2, 84:15, 85:7
causes [3] - 73:13, 98:20, 98:22
causing [1] - 93:8
cellphone [1] - 45:20
central [2] - 28:5, 66:16
cerebral [1] - 17:15
certain [12] - 5:25, 6:24, 9:14, 10:1, 15:15, 27:15, 40:22, 44:7, 44:13, 65:6, 65:7, 66:1
certainly [6] - 13:6, 36:14, 62:25, 63:10, 65:3, 65:17
certified [2] - 4:3, 57:6
cervical [1] - 10:4
chair [2] - 2:4, 73:14
challenge [1] - 120:3
change [12] - 15:13, 22:22, 26:11, 28:7, 28:9, 28:17, 28:18, 40:4, 71:3, 74:3, 74:8
changes [30] - 15:10, 15:18, 15:19, 15:24, 16:10, 22:14, 25:9, 27:24, 28:19, 28:21, 28:22, 34:11, 34:13, 34:14, 36:24, 41:12, 41:14, 44:5, 66:17, 66:24, 72:14, 75:14, 75:16, 77:1, 87:10, 93:12, 93:16, 97:15
charge [1] - 53:3
chart [1] - 55:6
checks [1] - 91:9
cheeks [1] - 22:10
chest [1] - 10:5
child [1] - 89:12

children [1] - 3:15
Children's [1] - 3:14
chiropractor [6] - 29:1, 38:9, 103:24, 114:18, 114:24, 115:12
chose [2] - 45:10, 95:16
Christopher [1] - 51:22
CHRISTOPHER [1] - 1:8
chronic [9] - 35:8, 56:6, 73:7, 74:13, 87:1, 104:12, 104:14, 104:15, 106:10
circled [1] - 104:3
City [1] - 52:17
claim [1] - 113:22
claims [1] - 53:25
clarify [1] - 114:4
cleaning [4] - 117:7, 117:9, 117:10, 117:12
clear [2] - 18:13, 114:12
clearance [1] - 18:18
clerk [1] - 2:5
Clerk [1] - 2:7
CLERK [2] - 2:9, 101:6
climbed [1] - 34:14
climbing [1] - 36:4
clinical [2] - 17:2, 35:14
close [3] - 40:15, 100:7, 100:19
closer [2] - 14:16, 14:17
co [3] - 54:20, 54:21, 86:12
co-surgery [1] - 86:12
co-workers [2] - 54:20, 54:21
coincidence [1] - 94:18
cold [1] - 31:13
Cole [1] - 64:22
collapse [2] - 75:21, 76:6
collapses [1] - 75:23
colleague [1] - 86:22
colleagues [1] - 72:2
college [1] - 3:2
collisions [1] - 48:25
combination [1] - 23:22
coming [7] - 5:2, 5:13, 16:19, 31:17, 37:5, 74:18, 113:5
Commack [3] - 2:11, 3:23, 3:25
comment [3] - 25:15, 63:24, 93:9
common [2] - 31:13
comp [8] - 52:4, 90:3, 90:8, 90:19, 91:5, 113:17, 113:22, 116:12
Comp [2] - 52:20, 90:14
company [1] - 116:24
compare [2] - 64:9, 64:10
compared [2] - 15:11, 44:12
compatible [1] - 72:9
compensation [4] - 89:9,

90:13, 90:15, 116:17
competent [2] - 65:17, 67:20
complained [2] - 79:18, 102:25
complaining [7] - 31:17, 32:11, 33:14, 56:20, 66:9, 79:16, 103:7
complains [1] - 31:9
complaint [4] - 6:20, 31:13, 57:20, 76:23
complaints [2] - 33:15, 86:25
complete [2] - 82:11, 82:22
completed [2] - 51:12, 83:11
completely [1] - 106:9
comprehensive [1] - 114:7
compression [12] - 18:5, 32:1, 32:12, 34:19, 36:9, 45:1, 65:18, 93:23, 96:22, 98:18, 98:20, 98:25
computer [4] - 12:22, 14:17, 21:5, 25:22
computer's [1] - 19:4
concave [1] - 24:6
conclusion [10] - 25:7, 25:10, 25:12, 25:17, 64:24, 65:1, 70:24, 93:1, 93:3
Conclusion [1] - 93:2
condition [10] - 56:11, 64:9, 65:23, 67:24, 72:3, 74:4, 76:11, 87:1, 89:7, 103:2
conditions [1] - 75:10
conducts [2] - 9:7, 9:9
conference [1] - 68:22
configuration [2] - 46:9, 46:12
confirm [1] - 5:22
confirms [1] - 5:19
conform [1] - 18:21
congenital [1] - 66:1
conjunction [1] - 5:21
consent [1] - 38:24
consequence [1] - 95:17
consider [1] - 106:14
consistency [1] - 35:12
consistent [6] - 24:14, 34:21, 35:13, 88:9, 95:12, 116:3
contact [1] - 52:11
contemporaneously [1] - 7:4
content [2] - 15:3, 76:5
context [4] - 18:10, 48:7, 72:16, 88:18
continue [2] - 42:5, 90:4
continued [2] - 7:9, 107:9
contrast [1] - 13:20
contributing [1] - 24:16
control [2] - 8:2, 9:17
controls [1] - 9:15
conversations [1] - 72:3

copies [1] - 100:10
copy [1] - 12:17
cord [2] - 17:16, 40:1
correct [110] - 11:19, 12:13, 24:11, 26:3, 26:8, 33:3, 36:20, 53:20, 54:1, 54:8, 54:16, 55:8, 55:14, 55:24, 56:2, 56:3, 56:21, 56:22, 58:23, 60:12, 60:14, 60:22, 61:1, 61:12, 61:13, 61:15, 61:19, 63:1, 63:2, 63:13, 65:9, 65:11, 65:12, 65:15, 65:19, 65:22, 66:14, 66:18, 68:13, 68:14, 68:17, 69:13, 69:14, 70:1, 70:8, 71:20, 72:19, 75:7, 75:10, 75:11, 75:16, 75:17, 75:19, 76:3, 76:7, 76:12, 78:4, 78:6, 79:10, 79:17, 79:22, 80:17, 81:5, 81:10, 81:11, 81:24, 82:1, 82:5, 82:13, 82:14, 82:22, 82:23, 83:7, 84:11, 84:16, 84:17, 85:7, 87:14, 87:21, 87:24, 89:9, 89:19, 90:8, 93:22, 93:25, 96:13, 96:25, 98:17, 103:15, 105:17, 107:7, 107:8, 107:10, 107:11, 107:15, 107:20, 107:21, 110:11, 111:14, 115:1, 115:3, 116:11, 116:18, 117:22, 118:8, 118:11, 119:4, 119:19, 120:10, 120:12
correctly [3] - 11:5, 67:25, 68:2
correlation [2] - 55:1, 60:7
correspondence [1] - 60:4
cortisone [1] - 17:10
cost [1] - 107:13
counsel [1] - 68:23
count [2] - 21:2, 21:24
counter [1] - 109:25
COUNTY [1] - 1:1
couple [4] - 41:19, 62:15, 88:17, 120:8
course [4] - 8:1, 11:3, 49:23, 52:25
court [13] - 2:8, 30:5, 32:7, 50:9, 51:6, 51:24, 52:18, 52:19, 53:4, 63:13, 71:11, 74:18, 109:17
COURT [103] - 1:1, 2:3, 2:4, 2:9, 2:12, 2:15, 10:13, 10:20, 11:25, 12:4, 12:9, 12:12, 12:14, 12:16, 12:20, 12:21, 13:1, 13:6, 13:9, 13:17, 13:20, 13:22, 13:24, 14:22, 21:14, 21:17, 23:9, 23:13, 23:16, 26:19, 26:22, 26:24, 27:4, 29:20, 29:23,

29:25, 30:1, 30:5, 30:8, 30:21, 32:4, 32:8, 33:21, 33:24, 34:2, 35:7, 36:12, 42:12, 42:16, 44:4, 46:19, 46:25, 47:7, 47:14, 47:20, 47:22, 48:6, 48:10, 49:7, 49:14, 49:19, 50:7, 50:11, 50:13, 50:16, 50:19, 50:20, 50:23, 51:1, 51:4, 51:9, 51:12, 51:16, 57:16, 83:12, 83:15, 91:22, 92:11, 94:25, 95:21, 98:3, 98:5, 98:7, 99:5, 100:6, 100:9, 100:14, 100:17, 100:23, 101:6, 110:21, 112:20, 112:21, 112:23, 113:4, 113:7, 113:9, 113:12, 114:12, 118:23, 120:20, 120:23, 121:14
Court [2] - 1:14, 68:23
courtroom [4] - 50:14, 50:17, 50:22, 86:21
crack [1] - 15:8
crazy [1] - 43:21
create [2] - 39:15, 48:20
CROSS [3] - 51:17, 99:6, 101:9
cross [8] - 19:5, 19:7, 51:16, 53:11, 53:14, 98:3, 100:25, 114:9
cross-examination [3] - 51:16, 53:14, 100:25
CROSS-EXAMINATION [3] - 51:17, 99:6, 101:9
cross-examine [1] - 114:9
cross-examined [1] - 53:11
cross-section [1] - 19:7
cross-sectional [1] - 19:5
crosscuts [1] - 18:24
cured [1] - 84:4
current [1] - 3:23
cushioned [1] - 107:17
cut [1] - 18:25
cutting [1] - 85:22

D

dad [1] - 16:6
daily [3] - 110:2, 110:6
damage [2] - 98:22, 107:6
damages [1] - 107:14
dangle [1] - 17:18
dark [1] - 17:14
darker [2] - 27:15, 27:18
date [8] - 6:18, 27:7, 35:24, 45:7, 55:10, 67:3, 67:8, 105:1
dated [1] - 27:8
dates [2] - 114:5, 114:8
dating [7] - 67:2, 67:5, 67:6,

73:20, 74:13, 76:16, 77:1
daughter [1] - 119:13
David [1] - 114:17
days [14] - 7:13, 62:15, 77:4, 77:19, 77:23, 78:18, 78:25, 79:25, 80:7, 94:16, 108:17, 108:25, 109:4, 109:6
debris [1] - 18:12
decade [1] - 15:12
decided [2] - 37:16, 43:13
decision [1] - 64:12
decisions [2] - 114:6, 115:10
decompress [2] - 83:19, 85:24
decompressed [1] - 84:22
decompression [4] - 83:10, 83:17, 84:18, 85:19
decompressions [1] - 86:18
decreasing [1] - 8:1
Defendant [2] - 1:9, 1:20
Defendant's [5] - 12:9, 12:16, 26:22, 29:21, 30:9
defendants [1] - 51:22
defense [1] - 52:4
definitely [3] - 53:9, 60:13, 70:15
definition [2] - 78:5, 78:13
deformity [1] - 46:5
degenerate [1] - 43:20
degeneration [4] - 44:8, 69:21, 70:6, 84:24
Degenerative [1] - 81:18
degenerative [47] - 15:10, 15:18, 15:22, 15:24, 16:9, 18:14, 22:13, 25:9, 27:24, 28:9, 28:14, 28:18, 28:22, 34:13, 34:14, 42:21, 43:12, 44:5, 44:16, 44:18, 44:19, 66:21, 66:24, 69:4, 72:9, 72:12, 72:14, 74:5, 75:9, 75:13, 75:15, 76:11, 76:15, 76:21, 82:8, 85:9, 86:3, 87:4, 87:5, 87:10, 93:11, 93:12, 93:15, 97:4, 97:8, 97:15, 98:12
degree [11] - 8:24, 18:5, 33:17, 35:2, 43:23, 44:24, 46:21, 47:2, 48:3, 62:2, 87:10
degrees [2] - 65:6, 65:7
demand [1] - 57:5
denied [4] - 6:24, 6:25, 90:16
dent [1] - 46:3
dentist [1] - 37:15
denying [2] - 31:19, 31:22
depiction [1] - 104:8
describe [1] - 7:6
described [13] - 34:6, 36:2, 46:22, 47:3, 48:17, 78:10, 90:10, 93:4, 93:5, 96:18,

96:23, 105:16, 110:5
describes [7] - 25:6, 28:5, 65:2, 65:3, 93:6, 93:11, 96:21
describing [2] - 79:12, 96:8
description [6] - 9:22, 9:23, 65:1, 72:6, 79:16, 105:4
descriptions [1] - 97:10
desiccation [3] - 27:13, 27:17, 31:24
detail [7] - 14:6, 14:7, 81:8, 82:24, 83:2, 83:10, 97:9
detailed [4] - 5:14, 18:24, 39:1, 82:21
details [1] - 75:9
development [4] - 84:15, 87:13, 87:19, 88:2
developed [1] - 89:23
devices [1] - 83:4
diabetic [1] - 40:21
diagnosed [1] - 102:6
diagnoses [2] - 48:20, 80:12
diagnosis [28] - 54:12, 55:1, 60:7, 74:11, 77:22, 77:24, 78:1, 80:10, 80:18, 81:16, 81:17, 81:23, 82:2, 82:7, 82:9, 82:10, 82:16, 86:17, 86:19, 87:14, 87:20, 87:23, 88:1, 88:2, 88:4, 88:20, 99:1, 99:2
diagnostic [3] - 54:7, 63:4, 102:16
dictated [1] - 25:13
die [1] - 38:19
died [2] - 92:7, 111:12
different [17] - 9:12, 9:13, 9:19, 14:4, 15:16, 25:3, 43:2, 44:14, 67:22, 69:16, 70:19, 78:11, 80:13, 80:16, 86:19, 87:23, 106:17
differential [10] - 87:14, 87:17, 87:18, 87:20, 87:23, 88:1, 88:2, 88:5, 88:10, 88:20
differentials [2] - 88:12, 88:16
diffuse [1] - 22:22
dinner [1] - 19:12
dip [2] - 19:23, 19:24
DIRECT [1] - 2:17
direct [8] - 51:10, 54:11, 54:25, 60:7, 61:23, 67:18, 68:3, 95:17
direction [3] - 34:9, 45:8, 45:9
directly [3] - 52:11, 94:24, 95:10
disability [4] - 89:13, 91:3, 91:5, 112:5
disc [87] - 14:23, 14:24,

15:19, 22:16, 22:23, 24:1, 24:2, 25:9, 25:16, 25:19, 27:12, 27:15, 27:16, 28:9, 28:15, 28:16, 28:20, 41:24, 42:8, 42:21, 42:22, 43:4, 43:9, 43:11, 43:14, 43:15, 43:16, 43:17, 43:18, 43:19, 44:8, 61:14, 64:21, 64:24, 64:25, 65:8, 65:9, 65:10, 65:11, 65:13, 65:19, 66:12, 66:21, 69:12, 69:16, 69:21, 70:5, 70:18, 70:24, 71:2, 72:10, 72:12, 74:5, 75:13, 75:15, 75:21, 75:23, 76:1, 76:4, 76:15, 76:21, 78:4, 78:6, 78:7, 81:2, 81:18, 81:19, 82:8, 82:17, 86:3, 87:4, 87:5, 93:4, 93:6, 93:7, 97:4, 97:8, 97:10, 98:13, 98:18, 98:24, 102:6
discectomy [2] - 83:18, 85:20
discharge [1] - 109:21
discogenic [1] - 81:20
discomfort [2] - 72:21, 72:22
discs [25] - 9:11, 10:8, 14:12, 15:2, 15:3, 15:6, 16:12, 16:13, 18:17, 24:8, 25:10, 25:18, 28:1, 41:12, 43:8, 43:11, 64:17, 67:22, 68:5, 70:1, 70:25, 80:14, 85:21
discuss [5] - 49:20, 49:25, 102:1, 121:2, 121:8
discussed [1] - 102:10
discussion [1] - 37:22
discussions [2] - 45:11, 62:8
disease [19] - 41:25, 66:21, 72:10, 72:12, 72:13, 74:5, 75:13, 75:15, 76:15, 76:22, 81:18, 82:8, 86:3, 87:4, 87:5, 88:8, 97:5, 97:8, 98:13
distal [2] - 8:19, 9:2
distance [1] - 8:9
distribution [1] - 66:15
divorce [1] - 89:11
Doctor [36] - 3:22, 4:1, 10:13, 10:18, 16:15, 19:1, 20:20, 25:20, 26:3, 28:4, 30:24, 31:5, 32:9, 32:10, 36:17, 40:7, 40:10, 42:11, 49:17, 51:19, 53:19, 55:14, 57:14, 57:18, 58:20, 59:16, 60:20, 67:17, 68:25, 71:7, 74:23, 80:7, 91:20, 94:18, 96:13, 99:8
doctor [27] - 2:21, 6:9, 8:5, 10:22, 12:22, 24:20, 28:24, 29:15, 30:10, 30:14, 31:1, 31:14, 33:12, 33:13, 35:18,

42:21, 51:24, 62:2, 92:1, 96:1, 100:10, 101:2, 101:15, 103:17, 106:19, 109:11, 113:24
doctors [4] - 35:10, 71:14, 72:17, 102:15
document [3] - 112:18, 113:14, 114:14
documented [1] - 94:9
doll [2] - 41:9, 41:10
done [18] - 4:2, 7:14, 7:15, 27:9, 35:15, 35:17, 40:11, 40:12, 48:23, 52:25, 58:2, 61:19, 61:22, 68:15, 78:18, 78:25, 83:17, 93:19
dosages [1] - 8:1
dose [5] - 7:18, 7:25, 11:12, 11:14
dots [1] - 20:3
Dowling [15] - 2:2, 2:3, 2:10, 2:13, 2:19, 49:13, 50:14, 50:16, 50:23, 102:5, 105:15, 105:16, 106:2, 109:16, 119:22
Dowling's [4] - 33:23, 102:12, 105:14, 106:6
down [33] - 7:24, 8:9, 8:23, 10:22, 14:3, 14:9, 17:10, 17:18, 18:3, 19:16, 20:7, 20:8, 20:9, 22:2, 22:3, 22:7, 23:6, 24:7, 30:12, 32:13, 32:25, 39:12, 39:17, 41:14, 49:17, 52:9, 84:5, 84:7, 88:16, 95:9, 100:17, 120:21
downstairs [1] - 73:25
downtime [1] - 39:2
Dr [70] - 2:1, 2:3, 2:13, 2:19, 6:8, 6:12, 11:2, 16:25, 29:13, 29:16, 30:13, 31:1, 31:6, 33:23, 49:13, 50:14, 50:16, 50:23, 55:10, 55:17, 55:20, 56:9, 57:8, 58:14, 58:22, 59:6, 59:13, 59:14, 60:17, 61:3, 61:7, 61:23, 64:22, 68:16, 68:18, 72:5, 72:24, 73:4, 73:8, 73:9, 89:23, 101:14, 101:17, 101:20, 101:24, 102:1, 102:5, 102:9, 102:12, 102:23, 102:24, 103:7, 104:10, 104:11, 105:14, 105:15, 105:16, 105:19, 106:2, 106:6, 109:16, 114:17, 114:23, 114:25, 115:11, 115:19, 119:22
drain [2] - 18:11, 18:13
dramatically [1] - 80:16
draw [1] - 100:7
dressings [1] - 73:25

dried [1] - 27:17
dries [1] - 76:5
drive [5] - 111:17, 111:23, 117:8, 117:11
driver [1] - 7:7
driving [6] - 45:22, 91:3, 91:8, 91:12, 109:9
drop [1] - 117:8
drove [8] - 90:23, 90:24, 92:1, 111:16, 111:18, 111:22, 111:24, 117:4
dry [2] - 15:6, 15:8
drying [1] - 27:17
due [11] - 22:13, 32:12, 34:4, 41:11, 64:16, 84:19, 84:23, 87:5, 88:14, 89:24, 90:25
dural [1] - 17:21
duration [1] - 71:23
during [10] - 29:1, 61:18, 71:14, 84:25, 87:11, 94:14, 110:25, 116:16, 121:1, 121:7
duty [1] - 108:23
DVD [3] - 12:12, 12:13, 12:14

E

early [3] - 4:9, 29:8, 67:8
ears [1] - 22:11
easier [5] - 14:14, 20:25, 21:1, 21:23, 23:14
easy [1] - 86:11
effect [4] - 93:20, 96:3, 96:9, 96:18
eight [1] - 103:2
either [13] - 5:19, 20:9, 20:14, 22:11, 22:13, 24:4, 25:13, 35:4, 38:13, 39:18, 41:19, 52:8, 89:23
elements [1] - 9:12
eliminating [1] - 88:12
emergency [5] - 4:6, 7:12, 7:14, 80:8, 112:3
employed [2] - 55:19, 56:24
encroachment [1] - 93:13
end [6] - 13:12, 13:13, 25:7, 40:6, 48:24, 88:13
ended [6] - 7:8, 47:11, 48:18, 111:24, 116:23, 118:3
endplate [2] - 75:14, 75:16
endplates [1] - 28:19
ends [1] - 17:16
energy [1] - 46:16
enhance [3] - 40:9, 41:6, 41:7
enjoyed [1] - 35:24
enlarged [1] - 41:13
enlargement [1] - 22:14
entering [1] - 50:11
enters [1] - 50:21
entirety [1] - 56:6
epidural [5] - 11:6, 17:2, 17:3, 17:12, 26:7
equina [1] - 17:19
equipment [1] - 21:21
equipped [2] - 45:23, 108:8
ER [2] - 77:7, 80:22
era [1] - 3:19
error [1] - 21:18
ESQ [2] - 1:16, 1:22
essence [1] - 53:21
essentially [4] - 24:13, 25:1, 29:1, 31:1
etiology [1] - 49:2
evaluate [1] - 11:8
evaluated [2] - 77:19, 80:9
evaluation [9] - 35:14, 61:9, 61:14, 75:2, 78:17, 78:23, 78:25, 79:2, 88:13
evening [1] - 62:12
event [6] - 68:4, 97:13, 97:17, 99:9, 99:18, 99:23
eventually [7] - 7:11, 48:1, 48:20, 48:22, 68:7, 112:6, 119:6
evidence [12] - 12:16, 29:25, 30:9, 45:24, 69:8, 69:15, 83:13, 91:17, 113:2, 113:5, 113:9, 113:11
exacerbated [1] - 35:4
exact [2] - 61:7, 77:1
exactly [1] - 96:15
exam [2] - 11:10, 33:11
examination [8] - 5:19, 32:14, 51:16, 53:14, 67:18, 68:3, 68:13, 100:25
EXAMINATION [8] - 2:17, 51:17, 91:24, 95:24, 97:24, 99:6, 101:9, 110:23
examine [1] - 114:9
examined [3] - 11:7, 47:25, 53:11
examining [2] - 32:18, 87:7
example [1] - 36:3
excellence [2] - 54:21, 57:5
except [2] - 93:1, 114:10
EXCERPT [1] - 1:6
excluding [1] - 52:20
excruciating [1] - 72:22
excuse [3] - 42:12, 83:12, 92:11
Excuse [1] - 10:19
exercise [1] - 40:3
exhibit [7] - 12:1, 12:2, 12:9, 26:20, 27:1, 29:18, 42:13
Exhibit [6] - 27:3, 29:22, 30:9, 42:17, 83:13, 113:10
exhibits [1] - 12:1
exists [1] - 10:18

exit [3] - 22:21, 28:11, 93:13
exited [1] - 22:6
exiting [4] - 20:8, 50:7, 65:15, 121:14
exits [2] - 23:24, 93:14
expect [2] - 16:8, 44:21
expectations [1] - 15:15
expecting [1] - 34:15
expert [2] - 52:15, 52:17
expertise [1] - 52:18
explain [2] - 6:2, 103:23
explained [1] - 105:8
explanation [2] - 39:1, 106:4
expressing [1] - 18:22
extends [1] - 79:14
extensively [2] - 48:23, 102:5
extra [3] - 10:12, 10:15, 73:13
extremities [1] - 33:1
extremity [1] - 31:12
eyewitness [1] - 45:4

F

face [2] - 2:5, 22:12
facet [6] - 22:14, 23:22, 36:24, 37:5, 41:13, 83:21
facility [2] - 11:23, 104:21
fact [11] - 8:3, 26:6, 42:7, 48:18, 64:20, 70:17, 75:12, 75:25, 88:20, 89:7, 115:25
factors [3] - 40:21, 54:1, 54:9
facts [1] - 34:3
Faguna [6] - 6:8, 58:15, 58:22, 59:6, 59:13, 59:14
failed [2] - 48:21, 95:12
failure [2] - 69:20, 70:4
fair [39] - 52:14, 54:4, 54:13, 54:23, 55:2, 62:7, 63:10, 65:5, 66:22, 66:24, 69:17, 74:11, 75:21, 76:8, 76:9, 76:16, 76:17, 76:21, 76:24, 78:24, 80:3, 80:6, 80:10, 82:18, 82:25, 83:6, 84:1, 84:20, 85:23, 87:2, 87:6, 97:5, 97:14, 97:20, 105:1, 105:4, 108:14, 108:22, 110:13
fairly [2] - 14:24, 14:25
familiar [2] - 52:12, 89:2
family [2] - 16:5, 117:17
fancy [1] - 17:12
far [4] - 79:1, 80:13, 104:2, 110:2
fashion [1] - 64:19
fashioned [1] - 41:10
fat [1] - 20:1
favorite [1] - 73:14
features [1] - 44:13

February [2] - 113:22, 116:15
fee [2] - 53:3, 53:6
feet [3] - 18:7, 18:8
fellow [1] - 50:4
fellows [1] - 3:19
fellowship [2] - 3:6, 3:16
felt [7] - 7:1, 7:8, 37:11, 64:15, 67:19, 69:24, 74:20
females [2] - 15:11, 86:16
femoral [4] - 9:6, 9:8, 9:24, 9:25
few [2] - 21:5, 45:12
field [1] - 89:3
figure [1] - 6:3
file [2] - 13:8, 24:22
fill [1] - 115:2
filled [3] - 17:23, 18:12, 104:2
fills [1] - 57:25
film [3] - 13:15, 13:16, 26:15
films [14] - 11:17, 11:18, 25:4, 61:24, 62:20, 62:21, 63:11, 63:17, 63:23, 64:18, 77:8, 92:20
finally [2] - 46:13, 112:7
findings [20] - 16:4, 32:20, 34:10, 34:11, 35:14, 66:1, 66:8, 69:4, 82:14, 83:5, 83:10, 84:13, 84:14, 96:16, 97:12, 99:8, 99:22, 100:2, 102:1
fine [1] - 116:8
fingers [1] - 51:6
finished [1] - 42:17
first [22] - 2:7, 4:25, 5:2, 6:4, 27:12, 48:25, 55:7, 55:21, 56:8, 56:16, 58:4, 63:5, 67:4, 76:23, 94:5, 98:2, 98:11, 105:14, 111:9, 111:11, 114:20, 117:16
five [2] - 46:8, 116:15
fixed [1] - 39:22
fixing [1] - 39:4
FJS [1] - 30:12
flare [5] - 71:20, 71:22, 104:17, 104:25, 105:11
flare-up [1] - 105:11
flare-ups [4] - 71:20, 71:22, 104:17, 104:25
flared [2] - 104:18, 105:9
flattens [1] - 76:5
flew [2] - 111:11, 111:22
flick [1] - 9:15
flip [1] - 30:10
floated [1] - 20:5
floor [2] - 17:22, 43:14
Florida [9] - 90:24, 91:3, 91:8, 92:2, 92:3, 92:7, 110:25, 111:7, 111:9

fluid [2] - 17:15, 20:7
focus [2] - 4:4, 20:18
focused [2] - 20:16, 20:17
following [1] - 25:14
follows [2] - 2:8, 50:10
foot [3] - 9:1, 9:4, 9:18
foramen [2] - 20:10, 84:11
foraminal [1] - 93:13
forces [1] - 48:19
Ford [2] - 116:10, 116:23
forget [1] - 118:15
form [2] - 7:18, 57:24
formal [1] - 74:14
formations [1] - 75:19
forms [1] - 115:2
forth [1] - 107:5
forward [4] - 36:19, 50:24, 101:4, 119:12
founded [2] - 3:24, 54:18
four [10] - 3:10, 46:11, 60:16, 61:4, 108:25, 109:4, 120:5, 120:16, 120:17
frame [2] - 46:6, 46:9
FRANCIS [1] - 1:22
Frank [3] - 29:13, 51:21, 112:25
frequent [5] - 104:17, 104:18, 104:25, 105:8, 105:10
friend's [1] - 117:16
friends [1] - 117:17
front [9] - 4:17, 6:23, 9:24, 20:15, 55:14, 58:20, 75:4, 96:4, 107:15
fronted [1] - 107:19
full [5] - 33:1, 33:11, 53:8, 99:1, 108:23
function [2] - 19:4, 37:8
functioning [1] - 95:7
funny [1] - 22:7
FURTHER [2] - 97:24, 99:6
fuse [1] - 41:21
fused [2] - 10:15, 41:16
fusing [2] - 39:15, 40:24
fusion [8] - 39:25, 40:9, 40:16, 40:17, 40:18, 41:6, 41:8, 43:25
fusions [1] - 86:17
future [2] - 39:17, 42:6

G

gain [8] - 89:3, 89:5, 89:10, 89:15, 89:18, 89:24, 91:14, 91:18
gall [1] - 88:8
gamut [1] - 86:15
garage [1] - 15:8
gastrointestinal [1] - 56:11

General [1] - 3:14
general [6] - 3:4, 4:5, 4:9, 40:15, 47:13, 47:17
generally [11] - 5:9, 5:22, 6:1, 6:3, 7:25, 8:15, 23:21, 33:10, 40:19, 43:11, 43:19
genetic [1] - 16:2
gentleman [2] - 3:17, 27:23
Georgina [1] - 105:3
girls [1] - 86:18
given [17] - 6:18, 7:16, 7:17, 7:25, 26:6, 34:3, 55:5, 55:17, 61:2, 61:3, 61:7, 63:23, 74:12, 74:15, 75:3, 77:20
glaring [1] - 106:16
God [1] - 41:5
grab [1] - 25:21
gradual [3] - 74:4, 103:3, 116:3
gradually [6] - 73:16, 74:7, 76:23, 103:14, 103:21, 104:7
graduated [1] - 2:25
grandma [1] - 22:10
gravity [1] - 20:7
greater [1] - 98:25
Greek [1] - 28:8
grille [1] - 107:15
group [3] - 3:24, 19:15, 19:22
guess [4] - 26:7, 50:18, 100:25, 116:15
guide [1] - 5:25
guided [1] - 90:12
guts [1] - 20:13
guy [4] - 16:1, 31:17, 61:25
gym [6] - 119:17, 119:18, 119:20, 119:21, 119:24, 120:9

H

habits [1] - 5:9
half [7] - 30:11, 31:3, 53:7, 53:10, 57:12, 73:15, 104:5
half-hour [2] - 73:15, 104:5
hallway [1] - 50:18
hand [4] - 2:5, 4:7, 30:3, 30:6
Handing [3] - 30:9, 42:20, 113:13
handle [1] - 117:24
handwritten [1] - 30:15
handy [2] - 12:20, 40:6
hard [2] - 8:22, 10:24
Hauppauge [1] - 1:18
head [1] - 16:8
heal [5] - 38:10, 39:14, 40:14, 40:17
healing [6] - 39:3, 40:20,

40:23, 41:1, 41:2, 41:3
health [1] - 94:12
healthy [4] - 40:3, 42:5, 42:22, 43:20
heard [6] - 24:11, 70:10, 89:15, 106:3, 118:9, 121:6
hearing [2] - 11:2, 68:23
heavy [1] - 74:1
held [2] - 68:22, 108:6
help [5] - 13:17, 19:22, 30:14, 37:3, 38:7
helped [1] - 11:15
helpful [2] - 13:2, 26:24
helping [1] - 17:8
herniated [17] - 18:17, 24:1, 25:10, 25:18, 41:12, 64:17, 67:22, 68:5, 69:9, 69:12, 69:16, 69:25, 70:18, 70:24, 70:25, 93:6
herniation [27] - 16:21, 23:5, 23:23, 25:8, 28:15, 28:16, 31:24, 34:13, 42:22, 43:14, 64:21, 64:25, 65:8, 65:14, 65:19, 66:12, 70:18, 78:4, 78:6, 78:7, 81:19, 82:4, 82:17, 93:15, 98:18, 98:24, 102:6
herniations [17] - 16:14, 16:15, 16:16, 16:17, 22:24, 24:12, 34:16, 34:18, 43:4, 43:11, 43:18, 45:1, 61:14, 64:24, 71:2, 93:4, 97:10
hiding [1] - 115:24
high [2] - 14:5, 39:18
high-powered [1] - 14:5
higher [9] - 11:11, 11:14, 15:2, 24:10, 27:25, 40:22, 40:25, 41:1, 43:19
highest [1] - 41:24
highlighted [4] - 27:10, 59:18, 83:16, 92:25
himself [2] - 4:13, 6:11
hips [2] - 10:7, 33:6
histories [1] - 5:10
History [3] - 56:9, 56:16, 59:17
history [88] - 5:4, 5:14, 5:16, 5:17, 5:23, 6:12, 16:5, 16:20, 16:23, 26:6, 29:3, 29:4, 31:5, 33:16, 34:3, 35:8, 35:9, 42:7, 45:5, 48:1, 48:13, 54:3, 54:6, 54:10, 54:12, 54:16, 54:23, 54:25, 55:4, 55:16, 55:24, 56:1, 56:5, 56:6, 56:17, 57:7, 57:13, 58:6, 58:9, 58:10, 58:11, 58:19, 58:25, 59:5, 59:9, 59:10, 59:21, 60:6, 60:11, 60:13, 60:15, 60:22, 60:23, 61:2, 61:3,

61:7, 64:13, 67:2, 67:5, 71:21, 73:4, 73:7, 74:6, 74:12, 74:15, 74:21, 75:2, 87:8, 89:21, 94:5, 94:8, 95:3, 95:18, 97:13, 104:11, 104:13, 104:16, 104:23, 105:20, 105:23, 106:5, 106:8, 106:10, 106:12, 106:20, 106:21
hit [2] - 42:25, 45:15
hitch [6] - 45:23, 45:25, 46:2, 46:4, 46:5, 107:13
HNP [1] - 69:12
HNPs [5] - 69:8, 69:9, 69:21, 70:6, 70:18
hold [2] - 96:14, 108:4
hole [2] - 22:20, 22:24
hon [1] - 1:14
Honor [9] - 12:6, 44:3, 46:18, 46:24, 47:12, 51:15, 83:14, 113:6, 120:19
hopefully [1] - 13:16
horse's [2] - 17:18, 17:20
hospital [10] - 77:3, 77:5, 78:10, 78:18, 80:17, 81:9, 81:17, 82:12, 83:9, 86:21
Hospital [10] - 3:10, 3:14, 3:15, 7:12, 77:4, 77:13, 77:23, 80:9, 108:18
hour [2] - 73:15, 104:5
hours [2] - 46:8, 46:11
house [2] - 41:9, 41:10
human [1] - 43:4
humans [1] - 24:17
hundred [1] - 86:11
hurt [1] - 8:20
HX [1] - 104:23
hydrated [1] - 27:16
hypertrophy [1] - 83:20
hypothetical [2] - 46:22, 47:23

I

ID [1] - 112:23
idea [2] - 19:6, 87:15
ideal [2] - 75:3, 75:4
ill [2] - 111:4, 111:10
illnesses [1] - 89:25
illustration [1] - 75:15
images [1] - 27:15
Imaging [2] - 61:19, 64:22
imaging [1] - 27:9
imagining [1] - 77:16
IME [1] - 68:12
imitation [1] - 36:4
immediately [3] - 11:3, 17:11, 88:12
impact [3] - 46:1, 64:12, 92:21

impingement [2] - 17:7, 93:10
implore [1] - 51:4
importance [1] - 54:16
important [6] - 5:16, 8:10, 31:20, 54:12, 77:9, 77:12
impress [1] - 65:15
Impression [1] - 78:2
impression [7] - 5:22, 34:4, 66:13, 66:17, 97:2, 97:4, 98:12
impressions [1] - 98:2
improperly [2] - 50:3, 121:11
impropriety [1] - 50:3
improve [1] - 39:8
inaccuracies [1] - 70:22
inaccurate [5] - 60:18, 61:5, 106:9, 106:11, 106:14
incidence [1] - 43:18
incident [3] - 50:2, 86:4, 121:10
incidents [1] - 43:3
incision [1] - 83:4
include [5] - 42:9, 47:23, 80:18, 81:9, 113:19
including [4] - 29:6, 48:18, 52:8, 76:17
inconsistent [1] - 79:3
incorporated [2] - 41:14, 77:15
increased [1] - 103:15
increasing [4] - 7:11, 73:15, 95:8, 104:5
indentation [1] - 24:2
independent [3] - 49:22, 68:12, 121:4
INDEX [1] - 1:5
indicate [1] - 92:20
indicated [6] - 11:11, 55:7, 68:18, 69:3, 69:7, 95:14
indicates [3] - 56:10, 72:7, 73:9
Indicating [3] - 12:24, 76:2, 100:11
individual [2] - 78:8, 87:3
inflammation [4] - 7:24, 8:2, 17:11, 72:14
inflammatories [3] - 7:20, 7:22, 7:23
influence [2] - 50:4, 121:11
information [3] - 50:1, 74:20, 121:9
informed [1] - 38:24
inherited [2] - 16:3
initial [3] - 4:22, 5:22, 55:9
initiated [1] - 118:12
injected [1] - 37:14
injecting [1] - 37:14
injection [4] - 11:11, 11:12,

11:14, 37:3
injections [4] - 11:6, 26:8, 36:25, 38:10
injured [2] - 8:12, 22:19
injury [18] - 42:22, 48:4, 48:16, 48:17, 52:2, 52:3, 52:5, 52:13, 53:24, 59:24, 60:2, 60:9, 78:15, 80:14, 81:1, 89:9, 90:10
inquire [3] - 2:14, 57:19, 63:3
inquired [1] - 63:6
inquiry [4] - 58:4, 58:7, 58:8, 59:5
inside [3] - 20:4, 22:5, 41:11
insist [2] - 54:20, 54:22
instead [1] - 37:14
institution [1] - 3:8
instrumentation [2] - 40:14, 40:19
intake [1] - 57:24
integrity [1] - 42:24
intensity [1] - 104:2
intensive [1] - 94:17
intent [1] - 20:19
interchangeably [1] - 78:15
interferes [1] - 104:4
intermittent [1] - 74:13
intermittently [1] - 48:14
internal [1] - 40:25
internship [1] - 3:4
interrupt [1] - 10:21
intervening [1] - 94:14
intervention [1] - 94:11
intestines [1] - 20:16
involved [4] - 33:5, 40:21, 82:3, 82:18
involvement [4] - 31:20, 79:22, 80:2
involving [1] - 121:10
iPhone [1] - 45:20
irregularity [1] - 22:23
irritation [1] - 9:3
Island [3] - 54:18, 75:7, 112:7
issue [6] - 58:11, 71:3, 74:25, 81:1, 81:3, 91:14
issued [1] - 114:6
issues [2] - 40:23, 103:18
item [2] - 12:1, 100:19
itself [11] - 7:2, 8:11, 9:4, 9:5, 9:10, 25:13, 28:18, 32:12, 37:17, 82:20, 83:19

J

J.R [1] - 2:6
January [11] - 25:24, 25:25, 26:2, 27:7, 27:8, 27:9, 29:3, 29:10, 36:18, 55:21, 119:9

<p>Jeep [2] - 46:1, 46:11 job [5] - 90:10, 91:7, 94:6, 116:20, 117:9 jobs [2] - 118:7, 118:8 JOHN [1] - 1:16 John [1] - 3:17 joined [1] - 119:17 joint [9] - 23:5, 37:4, 37:5, 37:14, 37:15, 37:17, 85:25 joints [10] - 22:14, 22:15, 22:17, 22:18, 23:3, 23:23, 33:5, 36:25, 37:1, 41:13 Joseph [1] - 2:10 Jr [1] - 2:10 judge [3] - 13:4, 92:8, 92:10 Judge [6] - 2:14, 26:23, 49:4, 94:22, 98:4, 114:4 judgment [1] - 17:2 jumping [1] - 40:1 junction [1] - 17:16 jurors [4] - 13:11, 49:16, 49:20, 50:4 JURY [1] - 1:6 jury [15] - 2:23, 13:9, 35:19, 36:3, 50:7, 50:11, 63:17, 67:18, 68:3, 68:24, 74:18, 74:25, 77:10, 120:25, 121:14 Justice [1] - 1:14</p>	<p style="text-align: center;">L</p> <p>L1-L5 [1] - 10:11 L3 [2] - 93:21, 98:19 L3-4 [9] - 9:23, 10:1, 16:21, 20:11, 28:3, 28:5, 96:18, 98:18 L3-L4 [5] - 65:22, 66:16, 81:20, 93:7, 96:4 L4 [2] - 15:1, 98:19 L4-5 [8] - 23:3, 23:23, 27:13, 34:20, 79:23, 96:20, 98:24 L4-L5 [1] - 81:20 L5 [5] - 15:1, 79:14, 93:21, 93:24, 98:25 L5-S1 [17] - 21:23, 22:24, 25:19, 27:13, 28:13, 28:14, 65:8, 65:14, 65:19, 66:12, 66:23, 81:20, 93:6, 93:14, 96:21, 97:8, 98:13 label [1] - 10:9 lack [2] - 31:21, 106:4 lap [1] - 107:25 Larkfield [1] - 2:11 last [16] - 14:15, 31:1, 33:12, 53:1, 62:12, 62:13, 62:16, 67:10, 71:16, 74:14, 86:25, 94:9, 95:5, 109:19, 111:5, 115:18 lasting [1] - 71:22 late [2] - 66:3, 66:4 lateral [1] - 83:19 Latin [3] - 17:18, 28:8, 104:24 law [3] - 62:2, 90:12, 119:13 lawsuit [4] - 59:24, 76:19, 88:19, 89:8 lawyer [1] - 62:9 lawyers [2] - 52:6, 52:14 layer [3] - 14:11, 20:1, 62:1 layers [1] - 14:13 LBP [1] - 104:23 lead [1] - 72:14 leading [1] - 83:21 learn [2] - 4:25, 62:7 learned [2] - 45:13, 62:13 learning [1] - 3:5 leased [1] - 107:1 least [7] - 26:7, 31:24, 53:2, 58:16, 76:22, 85:5, 120:5 leave [1] - 15:7 led [3] - 60:10, 80:15, 82:4 left [23] - 3:9, 3:13, 3:20, 6:21, 7:3, 19:20, 20:9, 20:12, 22:24, 24:3, 31:10, 37:1, 37:2, 38:15, 78:2, 79:13, 79:14, 80:19, 99:1, 101:1, 101:13, 101:21, 116:23 leg [20] - 6:21, 7:1, 7:2, 8:9,</p>	<p>8:10, 8:15, 8:16, 9:5, 9:8, 9:9, 16:20, 20:9, 32:21, 79:11, 79:15, 79:20, 79:21, 80:1, 95:9 legged [1] - 22:17 legs [4] - 18:4, 22:7, 31:18, 33:7 length [1] - 106:1 less [5] - 18:18, 21:25, 22:5, 73:12 letter [1] - 12:11 letters [1] - 90:3 level [52] - 9:14, 10:1, 10:8, 10:9, 19:9, 20:11, 20:16, 20:20, 20:23, 21:22, 21:23, 22:16, 23:2, 23:23, 23:25, 24:1, 24:5, 24:9, 28:15, 28:17, 28:23, 34:22, 39:16, 40:16, 40:18, 41:17, 41:21, 41:23, 42:5, 42:8, 42:9, 54:21, 57:4, 64:21, 65:15, 66:18, 79:3, 79:6, 79:10, 84:6, 84:7, 93:4, 95:15, 97:7, 102:6, 110:11, 110:14 levels [30] - 9:13, 15:25, 16:9, 21:24, 21:25, 24:7, 24:15, 24:19, 34:12, 34:16, 34:20, 34:23, 40:9, 40:23, 41:7, 41:8, 42:3, 42:4, 44:21, 61:15, 64:17, 67:22, 69:16, 70:1, 70:19, 70:23, 71:2, 83:22, 97:5, 97:9 life [4] - 37:8, 39:24, 95:16, 110:6 lifestyle [1] - 40:3 lifetime [3] - 71:15, 76:12, 76:16 lift [2] - 33:7, 73:12 lifting [2] - 32:21, 74:1 ligament [3] - 78:15, 83:20, 85:25 light [1] - 9:15 lights [2] - 9:16, 13:18 likely [1] - 32:12 limit [1] - 38:21 limiting [1] - 95:15 line [3] - 13:8, 32:25, 104:24 lines [1] - 88:17 lining [1] - 36:6 list [10] - 12:1, 12:2, 12:15, 26:22, 81:16, 82:12, 88:6, 88:15, 89:14, 114:5 listed [2] - 80:12, 81:17 listen [4] - 5:18, 6:1, 48:12, 89:21 Listen [2] - 38:12, 39:3 listening [1] - 89:18 literally [2] - 17:19, 44:10 litic [1] - 28:8</p>	<p>live [3] - 38:13, 39:6, 45:10 lived [2] - 92:2, 111:6 living [1] - 110:2 load [1] - 22:4 loads [2] - 27:25, 43:7 localized [3] - 8:13, 13:15, 31:16 location [2] - 3:23, 35:13 locations [1] - 11:22 logical [2] - 56:23, 98:1 longstanding [3] - 15:22, 86:3, 87:3 look [22] - 11:16, 24:8, 27:14, 27:15, 30:16, 41:11, 43:3, 55:16, 60:3, 63:11, 63:23, 67:11, 74:10, 77:3, 77:5, 78:1, 89:22, 90:9, 93:3, 93:18, 96:12, 121:4 looked [5] - 26:16, 31:23, 62:10, 92:16, 92:18 looking [8] - 27:1, 32:18, 44:12, 73:2, 85:3, 89:23, 114:14 looks [6] - 19:7, 19:11, 22:11, 114:16, 115:9, 115:14 loses [1] - 76:4 loss [3] - 27:12, 27:17, 120:3 love [1] - 75:3 Lower [1] - 33:1 lower [37] - 9:8, 10:5, 10:11, 14:2, 15:18, 17:17, 19:9, 19:10, 20:18, 24:10, 31:10, 31:11, 34:10, 58:25, 59:9, 65:4, 66:22, 72:6, 72:10, 77:21, 79:17, 80:3, 80:5, 80:14, 81:2, 87:1, 101:18, 102:7, 102:25, 103:8, 103:11, 104:23, 105:20, 105:23, 106:20, 108:20, 115:25 lowest [1] - 21:22 Luft [1] - 1:14 lumbar [16] - 10:6, 65:9, 69:4, 75:12, 75:14, 78:2, 78:9, 79:4, 80:10, 80:20, 81:18, 82:8, 86:17, 97:4, 97:7, 98:12 lumbosacral [3] - 78:3, 79:13, 80:19 lunch [1] - 120:24 lying [4] - 14:3, 14:9, 20:5, 74:22</p> <p style="text-align: center;">M</p> <p>machine [2] - 117:21, 117:23 Mackey [10] - 72:5, 72:25, 73:4, 73:8, 73:10, 102:23, 102:24, 103:7, 114:23,</p>
--	--	---	---

114:25
magnet [2] - 14:5, 14:6
magnets [1] - 14:4
magnification [1] - 89:24
main [2] - 6:20, 25:16
major [2] - 9:5, 22:18
majority [1] - 86:14
male [10] - 15:15, 15:17, 44:6, 44:9, 66:4, 69:20, 70:5, 97:12, 97:16, 97:19
males [4] - 15:10, 69:3, 86:14, 86:16
malpractice [1] - 52:16
malpractices [1] - 52:16
man [1] - 27:20
manage [1] - 38:8
management [1] - 6:10
managing [2] - 3:5, 3:7
Manhasset [1] - 3:4
March [5] - 72:5, 72:25, 103:6, 104:1, 104:8
mark [3] - 12:7, 112:18, 113:7
marrow [2] - 28:19, 28:21
martha [1] - 1:14
mass [4] - 93:20, 96:3, 96:9, 96:18
mast [1] - 19:17
match [1] - 25:12
matching [1] - 16:23
matters [2] - 49:23, 121:5
mean [20] - 16:15, 23:9, 23:11, 25:25, 27:13, 28:4, 31:12, 32:17, 33:4, 43:12, 44:12, 72:1, 88:17, 89:14, 93:8, 105:8, 106:18, 115:13, 116:5, 119:14
meaning [3] - 16:14, 17:20, 38:24
means [10] - 9:2, 15:21, 27:14, 27:17, 28:8, 28:22, 32:18, 39:2
measure [1] - 33:9
mechanics [2] - 39:14, 48:17
medial [1] - 37:13
medical [38] - 2:21, 3:2, 28:11, 33:18, 35:3, 43:24, 44:24, 46:21, 47:2, 48:3, 48:19, 52:15, 52:16, 54:15, 54:21, 56:1, 56:5, 57:24, 58:9, 58:19, 58:25, 59:5, 59:9, 59:21, 60:4, 62:4, 62:6, 68:13, 72:18, 75:1, 81:7, 81:13, 87:19, 89:3, 89:7, 89:17, 106:5, 108:19
Medical [4] - 56:9, 56:15, 59:17, 61:19
medication [5] - 7:16, 17:8, 38:8, 77:20, 109:24
medicine [1] - 87:13

Medicine [7] - 3:1, 29:16, 29:20, 42:18, 104:22, 105:3, 105:5
medrol [3] - 7:18, 7:25, 11:12
meeting [1] - 28:5
mention [5] - 56:15, 58:24, 59:8, 59:20, 82:16
mentioned [1] - 115:4
merit [1] - 52:10
messages [2] - 9:7, 9:9
met [1] - 59:25
metal [1] - 40:8
method [1] - 87:20
mid-2000s [1] - 29:11
middle [8] - 8:20, 15:15, 19:11, 19:15, 19:23, 23:6, 27:23, 28:6
middle-aged [2] - 15:15, 27:23
midline [2] - 14:1, 79:14
midhigh [2] - 8:17, 8:19
might [2] - 112:9, 119:9
mild [9] - 28:10, 93:4, 93:8, 93:12, 93:13, 96:12, 96:18, 96:19, 96:20
mile [2] - 73:16, 104:6
miles [2] - 42:25, 43:1
mind [3] - 51:1, 88:10, 101:6
minimum [2] - 85:3, 85:5
minute [1] - 49:15
minutes [2] - 21:5, 50:6
misnomer [1] - 72:13
MLIC [1] - 52:17
moderate [1] - 93:13
mom [1] - 16:6
mom's [1] - 117:16
moment [3] - 10:21, 56:19, 86:20
money [2] - 119:10, 119:11
month [5] - 35:15, 36:6, 97:3, 109:20, 114:17
months [11] - 34:7, 38:4, 41:20, 60:16, 61:4, 91:16, 112:4, 116:13, 116:15, 120:16, 120:17
moreover [2] - 46:4, 46:9
morning [6] - 2:19, 2:20, 51:19, 51:20, 100:13, 121:6
most [11] - 7:23, 19:25, 22:6, 28:14, 31:13, 32:11, 72:22, 92:25, 97:8, 98:13, 114:1
mother [4] - 92:2, 111:4, 111:6, 111:10
motion [2] - 33:1, 78:20
motivated [1] - 89:11
Motor [1] - 1:17
motor [29] - 6:16, 7:5, 31:2, 33:16, 34:5, 35:4, 44:1, 44:25, 45:18, 47:9, 68:6,

69:22, 77:4, 82:3, 82:17, 84:15, 85:13, 88:25, 89:12, 94:15, 94:20, 95:7, 95:17, 97:19, 99:15, 99:16, 99:24, 100:1, 119:14
mound [1] - 19:21
Mount [1] - 3:15
mouse [1] - 22:11
move [3] - 13:5, 17:6, 17:7
movement [2] - 21:16, 33:10
moving [6] - 13:25, 14:14, 32:19, 33:6, 33:7, 41:16
MR [95] - 2:1, 2:14, 2:16, 2:18, 12:3, 12:6, 12:7, 12:8, 12:10, 12:11, 12:18, 13:4, 13:19, 21:13, 26:15, 26:17, 26:18, 26:21, 26:23, 27:2, 27:3, 29:12, 29:14, 29:18, 29:24, 30:3, 30:7, 30:14, 30:16, 30:22, 32:3, 33:20, 33:22, 34:1, 35:6, 36:11, 42:15, 42:19, 44:3, 46:18, 46:24, 47:6, 47:12, 47:15, 47:18, 47:21, 48:5, 49:4, 49:11, 50:18, 51:11, 51:15, 51:18, 61:25, 62:2, 68:20, 83:14, 85:16, 85:18, 91:21, 91:23, 91:25, 92:8, 92:10, 92:13, 94:19, 94:22, 94:24, 95:20, 95:23, 95:25, 97:22, 97:25, 98:4, 98:6, 98:9, 99:7, 99:13, 100:5, 100:8, 100:21, 101:10, 110:18, 110:22, 110:24, 112:16, 112:22, 112:24, 113:1, 113:2, 113:6, 114:4, 114:9, 114:10, 120:19
MRI [65] - 11:8, 11:17, 11:18, 13:13, 15:14, 15:16, 16:5, 16:9, 16:23, 17:1, 18:21, 20:16, 24:20, 26:7, 26:15, 31:23, 35:14, 35:15, 44:7, 44:12, 61:9, 61:14, 61:18, 61:21, 62:8, 62:11, 62:18, 63:7, 63:17, 63:23, 64:4, 64:10, 64:11, 64:18, 65:3, 65:14, 66:8, 66:20, 67:23, 68:6, 69:4, 69:18, 70:1, 70:8, 70:10, 70:20, 71:2, 71:5, 86:23, 87:2, 92:18, 92:20, 93:18, 96:1, 96:17, 97:2, 97:11, 97:18, 99:22, 101:24, 102:2, 102:13, 102:17, 102:19
MRIs [4] - 15:13, 34:8, 77:15, 95:12
multilevel [2] - 97:4, 98:12
multiple [5] - 11:22, 27:22, 40:9, 87:25, 97:7
Murphy [81] - 4:13, 6:4, 6:11,

18:22, 20:22, 24:13, 24:21, 25:21, 25:24, 26:2, 28:25, 29:15, 30:25, 32:1, 35:19, 36:18, 37:23, 43:24, 45:2, 45:14, 45:21, 47:19, 47:24, 47:25, 53:20, 53:25, 54:3, 54:10, 55:5, 55:20, 56:4, 56:16, 56:20, 57:8, 58:4, 58:10, 58:15, 58:18, 58:24, 59:3, 59:8, 60:9, 60:12, 60:16, 62:17, 63:3, 64:2, 64:16, 66:3, 66:9, 66:21, 66:25, 67:22, 68:4, 68:12, 70:17, 71:10, 71:19, 72:3, 72:24, 73:3, 76:14, 76:20, 80:8, 81:4, 82:3, 82:18, 85:10, 86:25, 90:2, 90:17, 91:16, 92:1, 94:4, 101:3, 101:4, 101:7, 101:11, 108:22, 113:14, 120:21
MURPHY [1] - 1:3
Murphy's [15] - 11:2, 44:15, 46:2, 46:7, 46:13, 46:17, 46:23, 47:4, 48:3, 63:18, 72:4, 74:4, 76:19, 84:19, 88:21
muscle [4] - 7:16, 19:18, 78:5, 78:14
muscles [7] - 19:19, 19:22, 20:2, 20:15, 22:1, 22:2, 80:22
muscular [6] - 78:17, 78:22, 78:24, 79:1, 79:4, 79:5
muscular-skeletal [4] - 78:17, 78:22, 78:24, 79:5
MVA [1] - 70:7

N

name [4] - 2:9, 17:12, 51:21, 52:8
named [1] - 3:17
names [1] - 51:22
narrow [4] - 18:11, 18:13, 22:20
narrowed [3] - 15:19, 23:22, 41:11
narrowing [5] - 22:24, 24:3, 28:10, 28:12, 93:14
nature [1] - 31:11
necessarily [5] - 8:14, 8:19, 14:6, 40:16, 43:9
necessary [1] - 23:9
neck [2] - 10:4, 10:10
need [9] - 4:20, 10:20, 12:17, 14:7, 21:9, 30:1, 39:13, 40:16, 118:23
needed [5] - 4:8, 41:6, 43:25, 53:21, 95:5
needs [1] - 52:18

negative [4] - 32:17, 32:23, 32:24, 79:15
negotiations [2] - 118:13, 119:10
nerve [43] - 9:3, 9:6, 9:7, 9:8, 9:12, 9:18, 9:25, 22:20, 22:24, 23:7, 23:18, 23:21, 23:24, 24:9, 28:11, 31:19, 31:20, 32:21, 34:18, 36:8, 37:14, 37:16, 65:15, 65:18, 66:13, 66:17, 79:22, 80:2, 85:24, 92:22, 93:9, 93:14, 93:21, 93:24, 96:4, 96:22, 98:19, 98:22, 98:25
nerves [29] - 9:5, 9:12, 9:13, 9:17, 10:8, 17:13, 17:14, 17:17, 17:24, 18:2, 18:3, 19:4, 20:2, 20:4, 20:8, 20:10, 22:5, 22:6, 22:20, 23:7, 32:2, 32:12, 45:2, 79:23, 83:19, 84:22, 92:21
network [1] - 21:18
neural [1] - 20:10
neuro [1] - 84:11
neurocanals [1] - 85:22
neurosurgical [1] - 3:6
never [7] - 59:25, 61:24, 62:10, 62:17, 62:20, 62:21, 62:22
new [5] - 4:24, 34:9, 95:11, 99:19, 119:21
NEW [1] - 1:1
New [9] - 1:11, 1:18, 1:21, 2:11, 3:20, 3:21, 3:23, 52:16, 90:12
newer [1] - 115:23
next [8] - 11:6, 19:2, 32:25, 41:19, 58:17, 59:3, 59:12, 116:19
night [4] - 14:15, 17:9, 62:14, 62:16
NO [1] - 1:5
nobody [1] - 44:10
non [3] - 48:21, 70:5, 78:16
non-operative [2] - 48:21, 70:5
non-orthopedic [1] - 78:16
none [3] - 5:5, 10:18, 80:3
nonoperative [2] - 69:20, 95:13
nonradicular [1] - 31:11
nonsteroid [1] - 7:22
noodles [1] - 17:22
normal [35] - 14:23, 14:24, 14:25, 16:12, 20:23, 24:5, 24:9, 27:20, 33:2, 39:4, 39:7, 40:2, 41:23, 41:24, 42:22, 43:17, 44:12, 44:14, 44:18, 44:21, 44:22, 65:6, 65:9, 65:11, 65:22, 66:1,

73:11, 78:20, 78:23, 79:1, 79:5, 93:7, 98:1, 110:5
normally [2] - 41:16, 103:16
North [7] - 3:3, 29:16, 29:20, 42:18, 104:21, 105:3, 105:5
Northern [1] - 18:19
nose [1] - 22:12
notation [4] - 58:19, 59:17, 78:19, 83:16
note [25] - 31:25, 32:13, 56:9, 56:18, 58:20, 59:1, 59:2, 59:6, 67:11, 68:10, 68:11, 69:2, 69:7, 69:25, 70:3, 81:9, 81:12, 81:14, 82:6, 82:9, 83:24, 93:19, 103:6, 112:5, 112:9
noted [2] - 28:19, 33:11
notes [9] - 11:5, 30:15, 56:13, 60:25, 61:1, 61:2, 61:6, 78:23, 90:3
nothing [7] - 81:23, 82:2, 91:21, 97:22, 99:13, 110:19, 120:19
notice [2] - 34:8, 55:9
noticed [1] - 27:19
noting [1] - 68:11
November [2] - 1:11, 111:5
nowhere [1] - 82:15
nucleus [2] - 69:9, 70:18
number [10] - 10:3, 16:16, 38:3, 54:19, 67:9, 74:13, 88:25, 91:16, 96:25, 112:16
numbness [2] - 7:1, 18:4

O

oath [2] - 51:2, 101:7
object [3] - 49:4, 92:8, 113:5
objection [16] - 32:3, 33:20, 34:2, 35:6, 36:11, 44:3, 46:18, 46:24, 47:6, 47:12, 48:5, 49:9, 94:19, 94:22, 112:25, 113:1
observed [1] - 35:1
obviously [4] - 5:5, 11:9, 28:25, 81:3
occasional [1] - 71:20
occasionally [1] - 5:20
occupation [2] - 5:8, 7:9
occur [6] - 16:16, 16:17, 18:6, 18:15, 39:16, 84:24
occurred [5] - 7:4, 21:19, 77:1, 88:21, 103:13
occurs [1] - 85:8
October [2] - 59:4, 119:9
OF [3] - 1:1, 1:1
offered [1] - 38:18
office [38] - 5:12, 6:5, 11:18,

18:22, 33:15, 33:23, 34:9, 55:5, 55:25, 56:13, 56:20, 57:19, 58:1, 58:5, 58:18, 59:4, 59:12, 60:1, 60:17, 60:25, 61:1, 61:2, 61:4, 61:8, 67:11, 68:10, 68:11, 69:2, 69:7, 86:21, 90:4, 94:17, 95:10, 102:12, 105:14, 106:6, 109:17
office's [1] - 96:2
OFFICER [17] - 2:4, 12:9, 12:12, 12:16, 12:20, 13:22, 29:20, 29:25, 30:8, 50:7, 50:11, 50:19, 51:1, 112:21, 113:9, 113:12, 121:14
officer [3] - 29:19, 30:6, 112:18
offices [3] - 4:13, 4:14, 4:22
often [2] - 119:24, 119:25
old [6] - 6:19, 18:17, 27:21, 41:10, 44:6, 104:23
old-fashioned [1] - 41:10
older [5] - 15:6, 16:1, 34:15, 66:2, 86:16
omission [2] - 106:16, 106:18
on-the-job [2] - 90:10, 94:6
once [8] - 40:23, 83:10, 83:17, 112:13, 112:14, 112:15, 114:17, 115:13
one [30] - 3:17, 3:18, 6:5, 10:17, 11:25, 12:7, 14:12, 14:25, 18:3, 24:18, 25:18, 29:12, 31:24, 40:18, 42:4, 43:20, 57:16, 57:22, 58:13, 64:25, 70:23, 70:24, 75:23, 79:6, 80:12, 96:1, 100:5, 106:2, 115:18, 118:23
ones [1] - 23:4
ongoing [3] - 38:4, 48:16, 95:16
onset [1] - 74:7
open [6] - 32:7, 50:9, 83:5, 85:21, 118:9, 119:8
opened [3] - 84:11, 118:4, 118:5
operated [1] - 44:9
operating [1] - 83:3
operation [1] - 82:22
operative [10] - 48:21, 70:5, 81:9, 81:12, 81:14, 82:7, 82:10, 82:15, 83:24, 84:14
opinion [37] - 16:18, 31:25, 33:17, 34:24, 35:2, 43:23, 44:23, 46:15, 46:20, 47:1, 47:8, 48:2, 48:20, 49:6, 53:19, 53:22, 53:24, 60:8, 63:18, 63:22, 64:1, 64:3, 68:18, 69:1, 69:24, 71:3, 74:3, 74:8, 74:18, 74:21,

74:25, 75:1, 77:10, 80:13, 82:11, 87:2, 95:13
opportunity [1] - 74:9
opposed [1] - 88:22
option [2] - 38:15, 38:18
oral [1] - 11:14
Orange [1] - 119:21
order [2] - 5:21, 101:2
ordered [3] - 11:18, 17:1, 17:2
originating [1] - 8:8
Orlando [1] - 111:24
Orthopedic [1] - 32:16
orthopedic [8] - 3:11, 3:16, 4:3, 33:13, 57:6, 64:8, 68:15, 78:16
orthopedics [1] - 4:6
osteophyte [1] - 75:18
osteophytes [2] - 96:21, 96:23
ouch [1] - 32:22
outcome [1] - 40:17
outcomes [1] - 38:18
outgrowths [1] - 76:10
outside [1] - 71:13
oval [1] - 22:10
over-the-counter [1] - 109:25
overgrowth [6] - 83:21, 84:2, 84:3, 84:19, 84:23, 96:24
overgrowths [1] - 75:18
overlap [3] - 9:19, 9:21, 24:17
overloaded [2] - 43:15, 43:17
overrule [3] - 32:8, 34:2, 48:6
overruled [3] - 35:7, 36:12, 44:4
owe [1] - 90:11
own [6] - 56:13, 60:25, 75:1, 83:23, 100:10, 106:5
owned [1] - 7:10

P

P.C [1] - 1:20
PA [1] - 58:1
pack [3] - 7:18, 7:25, 11:12
page [3] - 21:11, 30:12, 83:8
pages [1] - 88:16
paid [5] - 90:7, 90:14, 90:19, 91:6, 112:11
pain [128] - 6:10, 6:20, 7:3, 7:8, 7:11, 8:2, 8:3, 8:7, 8:8, 8:9, 8:13, 8:14, 8:15, 8:18, 8:21, 8:23, 8:24, 8:25, 9:21, 9:23, 16:6, 16:19, 16:20, 16:21, 18:3, 18:21, 24:14, 24:18, 26:10, 29:4,

31:10, 31:14, 31:15, 31:17,
32:11, 33:14, 33:16, 33:19,
34:21, 34:23, 35:9, 35:10,
35:12, 35:13, 36:9, 36:16,
37:2, 37:5, 42:6, 42:8,
45:6, 45:7, 48:16, 56:17,
56:21, 56:25, 57:9, 57:20,
57:21, 60:23, 65:18, 66:14,
66:18, 66:19, 67:2, 67:5,
67:7, 67:9, 67:20, 71:15,
71:20, 71:21, 72:6, 72:7,
72:15, 72:17, 72:18, 72:22,
72:25, 73:5, 73:10, 73:13,
73:15, 73:16, 76:25, 77:1,
79:10, 79:17, 81:20, 88:6,
88:7, 88:8, 94:8, 95:4,
95:5, 95:8, 95:9, 97:13,
98:20, 101:21, 102:25,
103:3, 103:8, 103:11,
104:3, 104:6, 104:7,
104:12, 104:13, 104:14,
104:16, 104:23, 105:20,
105:24, 106:10, 106:13,
106:20, 112:2, 115:25
painful [2] - 17:8, 22:19
pains [3] - 103:25, 114:21,
115:5
palpate [2] - 79:9, 79:11
panel [1] - 52:8
papers [1] - 100:11
paracentral [3] - 28:6, 34:22,
66:16
paragraphs [1] - 65:2
paralyzed [1] - 38:20
paraspinal [2] - 22:1, 79:13
Parkway [1] - 1:17
part [13] - 1:1, 6:23, 24:22,
26:21, 54:12, 57:24, 58:1,
75:9, 75:23, 81:7, 84:23,
85:25, 98:11
partially [1] - 10:15
particularly [1] - 34:5
partner's [1] - 45:9
parts [1] - 80:5
passed [1] - 111:4
past [14] - 4:2, 8:16, 8:20,
42:8, 48:14, 56:1, 56:5,
58:8, 58:9, 58:19, 58:24,
59:5, 59:8, 59:21
Past [3] - 56:9, 56:15, 59:17
Patel [16] - 6:8, 6:12, 11:2,
16:25, 55:10, 55:17, 55:20,
57:8, 59:14, 60:17, 61:3,
61:7, 105:15, 105:19
Patel's [1] - 56:9
pathology [4] - 65:4, 65:6,
65:7, 87:24
Patient [1] - 79:13
patient [29] - 4:24, 5:1, 5:6,
5:18, 32:18, 32:20, 35:8,

38:7, 38:24, 48:11, 55:25,
57:25, 59:23, 59:25, 60:6,
64:9, 65:25, 74:15, 74:21,
74:22, 75:2, 79:9, 83:2,
87:7, 89:5, 89:10, 91:17,
95:3
patient's [2] - 34:4, 89:19
patients [6] - 3:5, 3:7, 35:11,
39:3, 48:15, 89:22
pattern [10] - 7:4, 9:19, 9:23,
9:25, 16:21, 24:14, 26:10,
34:23, 35:12, 95:9
patterns [3] - 8:7, 9:22,
34:21
pay [1] - 112:9
paying [2] - 89:12, 91:7
payment [2] - 49:25, 121:8
peak [1] - 43:3
pelvis [1] - 10:7
pending [1] - 89:8
People [1] - 18:8
people [16] - 5:24, 8:12,
10:12, 10:15, 10:16, 15:10,
16:2, 18:7, 18:16, 19:25,
31:14, 41:5, 47:16, 86:16
percent [16] - 5:17, 9:21,
15:3, 24:15, 24:17, 37:6,
37:7, 37:12, 39:19, 40:19,
41:2, 41:3, 44:7, 73:12
perform [3] - 83:18, 86:8,
110:11
performed [9] - 11:20, 43:25,
60:11, 61:10, 64:16, 68:7,
80:15, 81:4, 84:2
perhaps [1] - 114:13
perimeter [1] - 24:8
period [12] - 35:24, 38:6,
76:12, 76:13, 84:20, 85:1,
87:6, 87:11, 88:21, 95:4,
103:14, 103:15
periodically [1] - 35:10
person [6] - 42:2, 46:10,
47:24, 47:25, 57:16, 57:20
personal [8] - 52:2, 52:3,
52:5, 52:13, 59:24, 60:2,
89:8
personally [1] - 89:15
pertains [1] - 33:24
Pesiri [3] - 11:23, 61:11,
93:19
ph [3] - 3:18, 68:16, 105:3
Philadelphia [2] - 111:6,
111:7
photograph [1] - 107:7
physiatrist [2] - 6:9, 105:16
physical [5] - 32:14, 38:9,
103:24, 105:2, 116:7
physically [2] - 20:10, 32:19
physician [3] - 56:24, 58:1,
79:25

physicians [6] - 54:19,
57:12, 57:22, 71:25, 72:1,
78:16
PICCIANO [1] - 1:20
picking [1] - 6:17
picture [9] - 13:25, 14:2,
19:2, 19:5, 19:6, 19:8,
20:18, 20:19, 41:5
pictures [4] - 18:24, 25:15,
27:14, 45:17
piece [1] - 18:25
pieces [1] - 15:7
pinching [3] - 9:3, 22:10,
23:20
pinpoint [1] - 37:16
pipe [1] - 18:11
place [2] - 16:14, 31:3
Plaintiff [2] - 1:4, 1:17
plaintiff [11] - 2:1, 54:7,
55:25, 57:1, 57:2, 59:23,
60:2, 61:10, 91:14, 101:1
Plaintiffs [6] - 42:15, 45:24,
112:19, 112:21, 113:9,
113:10
plaintiffs [2] - 52:6, 62:8
plaintiffs [2] - 52:1, 52:3
Plan [1] - 78:2
plane [1] - 40:1
planning [1] - 119:14
plus [1] - 107:15
pluses [1] - 39:12
point [25] - 5:12, 11:16,
13:25, 23:10, 29:6, 30:10,
32:2, 33:19, 33:21, 34:15,
36:17, 38:3, 38:12, 38:13,
59:22, 59:25, 60:2, 67:9,
70:11, 70:16, 91:3, 96:17,
100:24, 108:23, 109:9
Pointer [1] - 13:1
pointing [1] - 13:2
police [1] - 108:13
Polimini [1] - 105:3
polishing [1] - 15:20
popping [1] - 43:1
population [2] - 47:13, 47:17
portion [1] - 32:6
position [4] - 16:12, 43:22,
65:11, 83:3
possible [1] - 72:22
possibly [2] - 37:23, 109:7
post [4] - 68:6, 82:7, 82:10,
82:15
post-operative [3] - 82:7,
82:10, 82:15
potent [2] - 7:20, 7:23
potential [3] - 18:2, 38:18,
39:13
potentially [1] - 39:16
pothole [1] - 42:25
pounds [1] - 43:14

powered [1] - 14:5
practice [18] - 3:21, 3:22,
3:23, 4:12, 53:5, 54:18,
54:22, 55:8, 56:16, 57:18,
57:19, 58:1, 71:12, 71:13,
75:6, 81:8, 89:17, 102:16
pre [1] - 61:23
pre-direct [1] - 61:23
predict [1] - 39:10
predominantly [2] - 31:10,
86:18
preeminent [1] - 3:18
preoperative [6] - 81:16,
81:17, 81:23, 82:2, 82:9,
82:16
prepackaged [1] - 7:18
preparation [3] - 63:14,
70:13, 71:11
prepping [1] - 62:11
present [2] - 17:25, 64:11
presentation [11] - 5:3,
48:12, 55:10, 61:18, 80:20,
80:22, 87:8, 87:25, 89:25,
91:18, 95:12
presented [10] - 4:13, 4:14,
4:16, 4:22, 6:4, 6:11, 6:15,
7:11, 8:3, 86:22
press [1] - 18:2
pressing [1] - 23:6
presume [4] - 4:1, 4:18, 53:4,
114:20
pretty [3] - 87:18, 92:25,
120:6
PRI [1] - 52:17
primarily [4] - 6:22, 34:24,
43:5, 75:2
primary [1] - 86:12
printed [1] - 93:2
probability [7] - 33:18, 35:3,
43:24, 44:24, 46:21, 47:2,
48:3
problem [16] - 17:5, 17:6,
20:21, 34:4, 34:24, 47:10,
49:8, 56:2, 59:20, 63:18,
64:2, 74:13, 87:9, 88:5,
88:14
problems [19] - 6:25, 16:3,
33:6, 35:1, 35:3, 39:16,
42:5, 46:23, 48:13, 56:7,
73:19, 73:24, 77:11, 87:4,
88:21, 88:24, 90:1, 101:17,
109:22
procedural [2] - 58:6, 58:11
procedure [1] - 52:13
procedures [2] - 58:9, 82:21
proceeding [1] - 89:12
process [3] - 15:9, 15:22,
39:3
processes [1] - 18:15
producing [2] - 65:18, 67:20

product [2] - 13:12, 13:13
professional [1] - 94:12
professionals [2] - 72:18, 108:19
program [1] - 3:1
progressed [1] - 76:23
progression [3] - 74:5, 74:7, 103:3
promptly [3] - 50:2, 121:10, 121:12
proper [8] - 46:9, 46:12, 54:16, 54:22, 57:7, 57:13, 57:17, 87:20
proteins [1] - 15:4
protrusions [1] - 16:13
provide [1] - 90:2
provided [5] - 54:4, 54:10, 60:11, 60:13, 60:16
provocative [1] - 32:16
provoke [1] - 32:20
proximity [1] - 80:21
psychiatric [1] - 89:25
pull [5] - 55:9, 78:5, 78:14, 81:14, 96:10
pulling [2] - 20:7, 46:12
pulls [1] - 46:8
pulposus [2] - 69:9, 70:18
punch [1] - 13:13
punched [3] - 8:21, 8:22
punching [1] - 13:14
purpose [1] - 40:10
pursue [1] - 95:14
put [10] - 17:22, 40:14, 40:24, 52:8, 58:17, 81:23, 82:2, 82:7, 82:9, 83:3
putting [2] - 41:17, 119:10

Q

qualified [1] - 49:6
qualify [1] - 65:24
quantify [1] - 96:20
quantifying [1] - 96:8
questionnaire [1] - 104:2
questions [6] - 5:25, 45:12, 47:19, 49:12, 88:11, 95:20
quick [1] - 68:21
quicker [1] - 96:10
quickly [1] - 18:13

R

radiate [1] - 8:21
radiating [7] - 6:21, 8:14, 66:14, 66:18, 66:19, 95:9, 101:21
radicular [2] - 31:16, 95:9
radiculopathy [5] - 9:25, 78:3, 80:19, 88:5, 88:14
radiologist [1] - 70:23

Radiology [1] - 61:11
radiology [1] - 63:4
railroads [1] - 48:24
raise [3] - 2:5, 79:20, 79:21
raising [2] - 79:15, 80:2
range [3] - 29:11, 33:1, 78:20
rate [9] - 39:10, 40:20, 41:1, 41:2, 41:3, 41:6, 41:8, 42:25
rather [3] - 22:9, 24:7, 111:7
rays [3] - 7:15, 77:15, 77:21
react [1] - 21:5
read [11] - 11:5, 32:5, 32:7, 49:22, 59:14, 67:12, 70:15, 92:18, 92:24, 98:2, 98:11
Reading [1] - 83:22
reading [4] - 56:9, 56:13, 83:23, 83:25
ready [2] - 12:21, 100:24
real [2] - 36:15, 83:18
realization [1] - 63:12
really [8] - 5:23, 11:15, 15:19, 20:17, 41:6, 72:13, 100:6, 108:21
rear [5] - 7:8, 45:15, 47:11, 48:18, 48:24
rear-end [1] - 48:24
rear-ended [3] - 7:8, 47:11, 48:18
reason [7] - 15:11, 48:21, 67:19, 67:21, 68:4, 82:11, 92:4
reasonable [7] - 33:17, 35:2, 43:23, 44:24, 46:20, 47:1, 48:2
reasons [5] - 16:17, 49:2, 87:25, 88:9, 89:14
receive [1] - 90:4
received [2] - 113:10, 113:18
recent [1] - 68:12
recess [2] - 49:15, 50:8
recesses [1] - 83:20
recitation [1] - 75:12
recollection [1] - 4:21
recommendation [1] - 11:8
recommendations [1] - 36:19
record [21] - 12:5, 26:25, 29:9, 30:11, 32:7, 42:14, 50:9, 57:17, 60:19, 77:3, 77:6, 77:7, 78:10, 80:17, 81:9, 81:18, 82:12, 83:9, 104:20, 104:21
recorded [5] - 59:2, 59:11, 61:6, 69:23, 106:9
records [23] - 4:17, 29:2, 60:24, 62:12, 62:16, 71:9, 71:12, 71:17, 72:5, 74:10, 74:16, 74:17, 74:24, 77:13, 77:14, 77:18, 78:1, 81:13,

86:24, 102:24, 105:13, 106:5
recreate [1] - 37:13
recreation [1] - 5:9
recross [2] - 95:21, 120:20
RECROSS [1] - 95:24
RECROSS-EXAMINATION [1] - 95:24
redirect [2] - 91:22, 94:23
REDIRECT [3] - 91:24, 97:24, 110:23
reduced [1] - 73:12
refer [2] - 55:6, 83:8
referral [1] - 52:7
referrals [3] - 52:5, 52:7, 57:12
referred [2] - 8:14, 8:15
referring [2] - 27:5, 45:24
reflect [2] - 26:25, 29:2
reflux [2] - 56:12, 56:14
refresh [1] - 4:20
regard [4] - 34:10, 37:23, 46:15, 90:13
regarding [1] - 74:2
region [1] - 6:22
regroup [1] - 121:12
regular [1] - 42:1
regularly [1] - 52:1
Rehab [1] - 105:4
rehabilitation [1] - 6:9
Rehabilitation [4] - 29:17, 29:21, 104:22, 105:5
related [3] - 41:12, 87:9, 89:25
relatively [1] - 95:6
relaxant [1] - 7:16
relay [1] - 56:18
relief [4] - 26:10, 37:7, 37:20, 37:21
rely [1] - 45:5
remember [5] - 28:20, 48:8, 101:23, 102:3, 116:13
remembered [1] - 102:21
remind [2] - 49:16, 49:20
reminders [1] - 120:25
remove [1] - 85:21
removing [1] - 85:25
repaired [1] - 107:7
repeat [1] - 68:1
replaced [2] - 107:12, 107:13
report [49] - 24:20, 25:3, 25:4, 25:5, 25:8, 25:12, 25:14, 25:16, 26:16, 27:5, 27:8, 50:2, 56:4, 58:10, 58:13, 59:10, 62:11, 62:22, 62:24, 63:12, 64:21, 64:25, 65:3, 66:20, 70:22, 73:8, 73:19, 77:8, 84:14, 86:23, 89:19, 90:22, 91:9, 92:19,

92:20, 92:24, 93:19, 96:4, 96:6, 96:7, 96:17, 98:10, 99:22, 101:20, 102:19, 103:10, 105:23, 121:10
reported [5] - 60:24, 62:17, 72:24, 73:3, 94:1
reporting [1] - 89:6
reports [1] - 79:9
represent [1] - 51:21
request [1] - 96:2
requested [1] - 32:6
require [1] - 39:17
required [6] - 46:8, 46:11, 81:8, 87:13, 90:6, 95:4
research [2] - 49:22, 121:4
respect [9] - 53:24, 56:4, 58:19, 58:25, 59:9, 73:10, 81:24, 91:14, 114:6
respond [1] - 95:11
response [1] - 63:9
rested [1] - 51:11
restrain [1] - 108:2
restrict [1] - 38:21
restriction [2] - 91:11, 91:12
restrictions [3] - 39:24, 109:8, 110:8
result [6] - 40:6, 45:14, 69:22, 70:7, 77:11, 94:20
resulted [1] - 104:17
results [1] - 47:3
review [11] - 11:10, 24:20, 24:24, 52:9, 55:4, 63:11, 63:16, 64:10, 71:9, 74:16, 80:25
reviewed [4] - 17:1, 31:6, 62:15, 63:14
right-sided [1] - 28:6
rigidly [1] - 41:7
rise [4] - 50:7, 50:11, 50:12, 121:14
risers [1] - 39:15
risk [4] - 39:18, 39:19, 40:21
risks [4] - 38:16, 38:17, 38:25, 40:22
Riverhead [1] - 1:11
Road [1] - 2:11
rock [1] - 36:4
rods [6] - 39:25, 40:16, 40:24, 41:2, 41:3, 41:4
ROM [2] - 78:20
roof [2] - 24:6, 41:10
room [6] - 7:12, 7:15, 18:18, 80:8, 83:3, 112:3
rooms [1] - 4:6
root [9] - 37:16, 65:18, 66:13, 66:17, 79:22, 80:2, 93:9, 96:4, 96:22
roots [7] - 28:11, 92:22, 93:14, 93:21, 93:24, 98:19, 98:25

rubber ^[1] - 15:7 rules ^[1] - 53:13 running ^[2] - 19:16, 28:16 runs ^[1] - 86:15	41:4 season ^[1] - 117:5 seat ^[7] - 46:13, 48:19, 107:17, 107:18, 107:19, 108:6 seatbelt ^[2] - 107:22, 108:2 seated ^[2] - 2:13, 50:13 second ^[5] - 3:6, 92:6, 111:12, 113:22, 118:10 secondary ^[8] - 7:10, 89:3, 89:5, 89:15, 89:18, 89:24, 91:14, 91:18 section ^[2] - 19:7, 93:5 sectional ^[1] - 19:5 see ^[65] - 5:5, 13:9, 13:10, 14:1, 14:23, 15:16, 16:4, 16:11, 16:23, 19:18, 19:25, 20:3, 20:6, 21:11, 21:17, 22:2, 22:5, 22:7, 22:9, 22:22, 23:3, 23:7, 23:8, 23:19, 24:6, 25:6, 25:15, 29:16, 30:11, 31:5, 31:9, 31:14, 32:14, 32:19, 32:21, 32:25, 35:21, 36:25, 37:2, 37:17, 38:14, 43:11, 44:7, 45:17, 55:13, 59:5, 59:15, 59:16, 59:20, 62:25, 72:1, 74:17, 74:24, 75:3, 77:12, 79:21, 80:2, 83:16, 96:11, 103:17, 113:24, 114:20, 115:21 seeing ^[7] - 19:10, 35:9, 62:24, 70:15, 71:17, 90:23, 109:16 seek ^[1] - 94:13 segment ^[1] - 41:25 segments ^[2] - 34:12, 41:16 selective ^[1] - 37:12 send ^[2] - 52:9, 101:24 sensation ^[4] - 7:1, 9:17, 9:18, 18:4 sent ^[1] - 26:12 sentences ^[1] - 88:17 separate ^[1] - 70:22 separating ^[1] - 10:9 September ^[15] - 55:8, 55:20, 56:17, 86:5, 88:22, 90:18, 90:22, 90:23, 95:18, 96:2, 97:11, 119:23, 120:8 set ^[2] - 83:2, 119:12 setting ^[2] - 52:23, 86:22 seven ^[1] - 112:22 several ^[8] - 7:12, 34:7, 54:1, 54:9, 65:2, 71:22, 73:10, 83:21 severe ^[4] - 8:18, 34:13, 73:11, 104:4 sex ^[1] - 44:11 Shafi ^[1] - 101:14 sharp ^[5] - 72:7, 102:25,	103:7, 114:21, 115:5 shaved ^[2] - 84:5, 84:7 shaving ^[1] - 85:22 ship ^[1] - 19:17 shoot ^[1] - 31:18 shop ^[3] - 118:4, 118:5, 118:10 Shore ^[6] - 3:3, 29:16, 29:20, 104:22, 105:3, 105:5 short ^[2] - 50:8, 69:10 shot ^[2] - 17:10, 17:12 shoulder ^[7] - 8:22, 8:24, 17:6, 17:7, 17:10, 37:4, 107:24 show ^[11] - 14:19, 14:24, 18:23, 64:14, 65:7, 72:4, 76:1, 77:25, 93:16, 104:20, 105:13 showed ^[9] - 31:23, 35:19, 61:14, 71:2, 86:23, 86:24, 87:1, 114:24 showing ^[3] - 30:8, 74:6, 79:4 Showing ^[2] - 30:17, 45:24 shown ^[9] - 30:1, 64:18, 65:14, 68:6, 70:1, 70:19, 107:6, 110:15, 113:12 shows ^[6] - 4:24, 33:14, 79:5, 80:17, 93:20, 93:23 sic ^[2] - 14:5, 52:21 sic ^[1] - 61:24 sick ^[2] - 3:15, 92:2 side ^[17] - 7:3, 19:19, 19:20, 19:21, 20:12, 20:14, 22:12, 22:13, 23:20, 23:21, 24:3, 31:10, 37:1, 37:2 sidebar ^[2] - 68:21, 68:23 sided ^[1] - 28:6 sides ^[2] - 39:12, 93:16 Siena ^[2] - 81:13, 83:9 Sign ^[1] - 89:22 signal ^[2] - 27:12, 27:18 signals ^[1] - 28:19 significance ^[2] - 67:10, 92:24 significant ^[5] - 8:6, 8:7, 58:5, 66:21, 66:23 signs ^[1] - 32:16 Silverado ^[2] - 106:23, 107:20 Sinai ^[1] - 3:15 single ^[1] - 40:15 sisters ^[1] - 16:7 sit ^[2] - 6:1, 73:14 sitting ^[2] - 47:10, 49:3 six ^[8] - 3:1, 3:2, 7:25, 31:3, 33:15, 94:10, 120:4 six-and-a-half ^[1] - 31:3 six-day ^[1] - 7:25 six-week ^[1] - 120:4	six-year ^[1] - 3:1 size ^[1] - 18:10 sized ^[1] - 18:8 sizes ^[1] - 14:4 skeletal ^[5] - 78:17, 78:22, 78:24, 79:1, 79:5 skin ^[1] - 20:1 sleep ^[3] - 17:9, 73:11, 104:4 slice ^[1] - 23:2 sliced ^[1] - 19:8 slices ^[1] - 21:4 slow ^[1] - 10:22 slower ^[3] - 20:25, 23:12, 23:13 slowly ^[2] - 8:1, 51:5 smaller ^[1] - 20:15 Smithtown ^[2] - 116:10, 116:23 smoker ^[1] - 40:21 snapshot ^[2] - 113:17, 113:23 snippet ^[1] - 120:7 snowmobiling ^[1] - 36:3 soft ^[4] - 79:7, 79:8, 79:11, 79:13 sole ^[1] - 87:12 solely ^[1] - 63:15 someone ^[4] - 15:20, 36:8, 47:10, 89:5 sometimes ^[6] - 5:24, 8:13, 45:19, 52:10, 87:18, 109:7 somewhat ^[1] - 37:11 somewhere ^[1] - 29:11 son ^[1] - 119:13 son-in-law ^[1] - 119:13 sorry ^[14] - 10:14, 10:20, 13:24, 32:4, 47:14, 50:25, 59:14, 62:5, 85:4, 98:4, 103:5, 110:17, 115:19, 118:22 source ^[2] - 33:18, 42:6 sources ^[1] - 52:7 space ^[4] - 22:7, 22:9, 23:22, 41:24 spaces ^[2] - 14:13, 14:23 spaghetti ^[1] - 17:22 spasm ^[1] - 91:1 spasms ^[1] - 7:17 Specialist ^[2] - 54:19, 75:7 specialized ^[2] - 4:4, 4:10 specializes ^[1] - 6:9 specific ^[4] - 48:16, 72:2, 86:17, 114:7 specifically ^[12] - 3:24, 5:11, 6:22, 7:3, 31:19, 34:20, 37:17, 40:12, 43:21, 47:19, 73:21, 89:20 Sperling ^[1] - 29:13 spinal ^[15] - 4:2, 17:15,
--	---	---	---

17:16, 20:6, 40:11, 58:6,
58:8, 58:11, 64:8, 65:21,
75:10, 81:19, 84:9, 92:21
Spine [3] - 54:18, 75:7, 112:7
spine [65] - 3:7, 3:16, 3:18,
3:24, 4:4, 4:5, 4:11, 8:11,
9:11, 10:2, 10:4, 10:5,
10:6, 10:10, 14:7, 14:11,
14:25, 15:5, 15:9, 17:13,
17:17, 18:14, 18:25, 19:16,
20:9, 20:19, 21:23, 22:3,
22:16, 22:18, 24:6, 27:24,
27:25, 28:8, 28:18, 39:15,
41:7, 41:9, 43:3, 43:7,
44:6, 44:9, 44:11, 44:15,
52:17, 58:12, 66:22, 69:4,
78:2, 78:9, 80:3, 80:5,
80:10, 81:18, 82:8, 83:5,
84:18, 84:19, 84:22, 86:4,
88:15, 93:17, 97:5
spines [2] - 15:12, 89:20
spondylitic [4] - 28:7, 28:9,
28:17, 66:16
spondylo [1] - 28:8
Sports [6] - 29:16, 29:20,
42:18, 104:22, 105:3,
105:5
sprain [6] - 78:9, 78:11,
78:14, 80:18, 80:20, 80:23
spring [4] - 118:14, 118:20,
119:3
squat [1] - 43:13
squeeze [1] - 17:23
squished [1] - 22:12
St [2] - 81:13, 83:9
stabilize [1] - 41:7
stabilizer [1] - 40:25
stacked [1] - 14:11
stage [1] - 38:22
stand [6] - 2:2, 2:4, 23:10,
73:14, 78:20, 104:5
standing [1] - 73:25
start [4] - 21:1, 118:25,
119:12, 119:20
started [7] - 118:13, 119:10,
119:17, 119:22, 120:9
starting [3] - 43:10, 43:19,
115:25
starts [2] - 15:9, 42:23
State [2] - 18:19, 90:12
STATE [1] - 1:1
state [1] - 59:1
statement [7] - 55:2, 66:22,
66:24, 69:5, 69:6, 80:4,
80:6
stating [1] - 67:24
stay [2] - 40:3, 109:11
steel [1] - 46:4
stenographer [1] - 10:24
stenographer's [1] - 51:6

stenosis [14] - 28:10, 28:11,
65:21, 81:19, 83:21, 84:9,
84:25, 85:6, 85:8, 85:11,
93:5, 93:9, 93:12
step [6] - 49:17, 50:24,
82:25, 100:17, 101:3,
120:21
Sterling [7] - 29:16, 30:13,
31:1, 31:6, 104:10, 104:11,
115:19
steroid [3] - 11:6, 11:12,
11:14
steroids [5] - 7:19, 7:23, 8:1,
11:15, 14:15
Steroids [1] - 7:20
Stewart [1] - 1:21
stick [1] - 19:16
stiffness [2] - 72:8, 103:8
still [6] - 39:6, 43:6, 51:2,
101:7, 118:6
stones [1] - 88:6
Stony [18] - 3:10, 7:12,
61:19, 64:22, 70:19, 77:3,
77:12, 77:17, 77:22, 77:25,
78:25, 79:25, 80:9, 94:16,
101:14, 108:18, 108:19,
112:3
stool [1] - 22:17
stop [1] - 90:25
stopped [1] - 45:14
straight [5] - 3:2, 79:15,
79:20, 79:21, 80:1
strain [10] - 78:2, 78:4, 78:5,
78:9, 78:11, 78:13, 78:14,
80:10, 80:24, 108:20
strength [7] - 31:21, 33:2,
33:8, 33:9, 33:11, 78:23
stress [3] - 39:15, 40:2, 43:9
stresses [1] - 41:17
stretcher [2] - 46:8, 46:12
stretching [1] - 32:21
stricken [1] - 49:5
strongly [1] - 64:15
structural [1] - 42:24
structurally [1] - 8:11
structures [1] - 15:4
studies [9] - 5:21, 7:14,
11:10, 48:23, 63:4, 63:8,
64:11, 64:13
stuff [4] - 16:8, 18:12, 62:4,
62:6
subject [1] - 121:5
subsequent [1] - 67:21
success [2] - 39:10, 40:20
successful [1] - 37:19
suddenly [1] - 103:21
suffered [2] - 60:9, 82:4
suffering [2] - 32:1, 36:8
sufficient [1] - 48:19
SUFFOLK [1] - 1:1

suggest [1] - 36:21
suggested [1] - 37:9
suggesting [1] - 9:24
suggests [1] - 15:25
Suite [2] - 1:17, 1:21
summer [2] - 118:14, 118:20
supplies [1] - 6:17
supplying [2] - 50:1, 121:9
support [4] - 15:5, 19:22,
22:18, 89:12
supposed [1] - 17:4
SUPREME [1] - 1:1
Supreme [1] - 1:14
surgeon [7] - 4:3, 4:7, 44:9,
57:6, 64:8, 68:15, 86:12
surgeries [2] - 16:7, 86:7
surgery [57] - 3:5, 3:17, 3:24,
4:2, 4:4, 4:5, 4:7, 4:9, 4:11,
37:24, 38:15, 38:17, 38:23,
39:2, 39:6, 39:12, 39:13,
39:17, 40:11, 40:12, 43:25,
45:3, 45:10, 48:1, 48:22,
53:21, 60:10, 63:1, 64:2,
64:15, 67:21, 68:7, 69:19,
69:25, 70:4, 80:15, 81:4,
81:8, 82:5, 82:10, 82:12,
82:20, 82:25, 84:1, 84:8,
84:14, 84:25, 85:12, 85:20,
86:3, 86:12, 94:18, 95:14,
120:13, 120:14
surgical [5] - 3:4, 3:5, 38:18,
58:6, 58:11
surgically [1] - 84:5
surprise [1] - 36:14
susceptible [1] - 42:21
suspicious [1] - 11:9
sustain [3] - 47:7, 47:22,
49:9
sustained [3] - 46:19, 46:25,
47:18
swelling [1] - 78:24
switch [1] - 9:15
sworn [1] - 2:7
Sylvia [1] - 51:23
symptom [2] - 87:24, 88:1
symptomatic [1] - 95:7
symptoms [16] - 11:3, 16:22,
18:3, 18:16, 32:20, 36:23,
38:4, 38:14, 66:8, 72:9,
72:15, 73:5, 88:9, 95:15,
103:13, 103:20
system [1] - 56:11

T

T1 [1] - 10:11
T12 [1] - 10:11
table [1] - 14:3
tail [2] - 17:18, 17:20
tailbone [2] - 10:6, 14:10

talks [1] - 75:14
taught [3] - 54:15, 87:19,
89:16
tech [1] - 21:13
technical [1] - 21:9
technician [1] - 21:20
telsa [1] - 14:5
ten [3] - 21:4, 49:15, 50:6
ten-minute [1] - 49:15
tender [2] - 79:18, 80:23
tenderness [6] - 78:23, 79:4,
79:6, 79:7, 79:8, 79:14
tension [1] - 83:18
terminology [2] - 89:2,
106:17
terms [9] - 9:21, 13:2, 15:12,
24:17, 40:13, 40:14, 48:24,
49:2, 87:16
test [4] - 33:9, 79:21, 80:1,
89:21
testified [4] - 2:8, 30:25,
35:19, 51:24
testify [3] - 52:1, 52:3, 52:19
testifying [2] - 62:9, 63:13
TESTIMONY [1] - 1:6
testimony [10] - 10:23,
24:11, 49:5, 49:24, 52:20,
54:11, 63:14, 70:13, 90:20,
100:18
testing [3] - 32:17, 54:7,
102:16
that'd [1] - 15:16
THE [103] - 1:1, 2:3, 2:10,
2:12, 2:15, 10:13, 10:14,
10:20, 11:25, 12:4, 12:14,
12:21, 13:1, 13:6, 13:8,
13:9, 13:17, 13:20, 13:24,
14:22, 21:14, 21:15, 21:17,
21:18, 23:9, 23:12, 23:13,
23:15, 23:16, 26:19, 26:22,
26:24, 27:4, 29:23, 30:1,
30:5, 30:21, 32:4, 32:8,
33:21, 33:24, 34:2, 35:7,
36:12, 42:12, 42:16, 42:20,
44:4, 46:19, 46:25, 47:7,
47:14, 47:20, 47:22, 48:6,
48:9, 48:10, 49:7, 49:14,
49:18, 49:19, 50:13, 50:16,
50:20, 50:23, 50:25, 51:3,
51:4, 51:8, 51:9, 51:12,
51:16, 57:16, 83:12, 83:15,
85:17, 91:22, 92:11, 94:25,
95:21, 98:3, 98:5, 98:7,
99:5, 100:6, 100:9, 100:12,
100:14, 100:16, 100:17,
100:23, 101:8, 110:21,
112:20, 112:23, 113:4,
113:7, 114:12, 118:22,
118:23, 120:20, 120:22,
120:23

thecal [1] - 17:24
themselves [2] - 37:1, 43:8
Theory [1] - 119:21
therapist [3] - 103:25, 105:2, 116:8
therapy [1] - 38:9
thigh [6] - 6:22, 6:23, 8:4, 8:20, 9:18, 9:24
thirteen [1] - 12:8
Thomas [2] - 2:1, 2:10
thoracic [3] - 10:5, 10:10, 17:17
three [22] - 10:16, 14:4, 14:5, 16:9, 22:17, 26:7, 41:7, 46:11, 52:24, 58:16, 77:4, 77:19, 77:23, 78:18, 78:25, 79:25, 80:7, 94:16, 108:17, 109:7, 115:15, 120:5
three-legged [1] - 22:17
throw [2] - 92:17, 116:6
thyroid [1] - 40:22
tight [1] - 41:11
timeline [2] - 34:3, 74:6
timelines [1] - 92:15
timing [1] - 80:21
tingling [5] - 7:1, 18:4, 72:7, 102:25, 103:8
tire [3] - 42:24, 43:1
tissue [4] - 79:7, 79:8, 79:11, 79:13
today [3] - 62:9, 62:12, 109:17
toe [1] - 107:13
together [2] - 40:15, 111:19
took [10] - 11:3, 14:15, 17:21, 31:2, 31:6, 41:15, 94:5, 101:2, 111:25
top [1] - 14:12
tops [1] - 52:24
Toriello [2] - 68:16, 68:18
Toronto [2] - 3:14
totally [1] - 61:4
touch [1] - 19:15
touched [1] - 79:19
toughing [1] - 36:15
trailer [5] - 45:23, 45:25, 46:2, 46:4, 46:5
training [1] - 3:11
transfer [1] - 46:16
trauma [4] - 44:25, 69:8, 69:15, 81:24
traumatic [11] - 60:9, 67:24, 68:4, 80:14, 81:1, 86:4, 97:13, 97:17, 99:9, 99:18, 99:23
travel [1] - 17:14
treat [3] - 101:15, 101:17, 115:6
treated [8] - 48:1, 48:14, 64:9, 71:15, 105:15, 115:9,

115:11, 115:15
treating [4] - 28:25, 71:10, 71:11, 71:25
treatment [32] - 34:6, 36:19, 38:5, 45:8, 54:7, 60:17, 61:4, 71:16, 74:10, 74:14, 86:24, 87:20, 90:7, 94:9, 94:11, 94:14, 94:17, 95:4, 95:6, 95:10, 102:22, 104:20, 104:21, 105:2, 109:21, 113:18, 114:5, 114:8, 114:11, 114:16, 115:23, 116:9
treatments [3] - 5:12, 29:5, 38:5
TRIAL [1] - 1:6
triangular [1] - 22:9
tried [2] - 37:12, 118:9
trip [1] - 112:1
truck [4] - 18:18, 45:22, 45:23, 106:23
true [8] - 18:5, 60:15, 64:20, 65:1, 84:2, 84:8, 104:10, 104:12
try [5] - 8:1, 13:21, 23:16, 37:16, 48:12
trying [3] - 37:13, 116:14, 117:10
turkey [1] - 19:12
turn [3] - 13:18, 100:24
tush [1] - 14:9
twice [3] - 110:25, 114:17, 115:15
two [36] - 9:5, 10:17, 14:24, 15:25, 22:17, 25:10, 25:18, 34:23, 40:23, 41:20, 42:3, 47:4, 52:16, 52:24, 58:16, 61:15, 64:17, 64:21, 64:24, 67:22, 68:5, 69:16, 70:1, 70:19, 70:22, 70:25, 71:2, 80:12, 85:8, 90:17, 93:4, 98:15, 102:6, 109:7, 112:4
two-level [3] - 64:21, 93:4, 102:6
type [6] - 37:3, 52:12, 52:22, 89:10, 94:13, 117:20
typical [2] - 31:14, 72:23
typically [7] - 9:1, 9:10, 9:22, 10:11, 36:13, 78:14, 87:22
typo [1] - 25:13

U

ulcers [1] - 88:7
ultimately [5] - 60:10, 64:2, 64:16, 80:15, 82:4
unable [1] - 91:10
unanticipated [1] - 15:24
uncommon [1] - 48:15
under [10] - 3:17, 18:19,

20:1, 45:8, 51:2, 60:17, 78:2, 78:22, 95:10, 101:7
underactive [1] - 40:22
undergo [1] - 45:2
undergoing [2] - 37:23, 38:23
underlying [1] - 88:24
understood [1] - 91:13
underwent [1] - 48:22
unfortunately [5] - 75:4, 92:7, 92:19, 111:13, 113:18
universal [2] - 69:3, 97:15
University [6] - 2:25, 3:3, 3:9, 3:10, 3:13, 7:12
unless [4] - 40:20, 43:20, 90:16, 109:22
unrelated [1] - 88:25
unroofed [1] - 41:9
unusual [2] - 66:6, 66:7
up [67] - 4:9, 4:24, 6:17, 13:13, 13:14, 14:16, 15:1, 18:12, 19:6, 19:16, 20:15, 21:1, 21:5, 21:17, 21:19, 21:24, 23:2, 23:10, 23:25, 24:5, 24:10, 26:15, 27:17, 29:6, 29:12, 32:21, 33:7, 33:15, 34:6, 34:14, 43:13, 49:22, 49:23, 51:14, 52:8, 52:9, 55:12, 55:21, 58:17, 59:16, 73:25, 76:5, 83:2, 83:5, 84:11, 85:21, 92:17, 94:7, 94:8, 94:16, 96:10, 104:19, 105:9, 105:11, 111:24, 112:6, 112:17, 112:20, 114:13, 116:23, 117:10, 117:15, 117:18, 119:6, 119:7, 121:5
upfront [1] - 20:13
upper [3] - 8:16, 9:9, 19:9
upright [1] - 19:17
ups [4] - 71:20, 71:22, 104:17, 104:25
upwards [1] - 24:7
usual [1] - 120:25

V

vacation [2] - 91:4, 91:6
variables [1] - 27:22
variance [1] - 93:7
variant [1] - 65:22
variations [1] - 16:2
various [2] - 29:5, 97:5
vary [1] - 23:5
vehicle [38] - 6:16, 7:5, 7:8, 31:2, 33:16, 34:5, 35:4, 44:1, 44:25, 45:14, 45:18, 46:2, 46:8, 46:10, 47:9, 47:10, 68:6, 69:22, 77:5,

82:3, 82:17, 84:16, 85:13, 88:25, 89:13, 94:15, 94:20, 95:8, 95:17, 97:20, 99:15, 99:16, 99:24, 100:1, 107:1, 107:9, 108:8, 119:14
vehicles [1] - 47:4
verbalize [1] - 5:24
verbiage [1] - 103:19
versus [2] - 24:16, 43:1
vertebrae [1] - 79:15
vertebral [1] - 76:6
video [3] - 110:10, 110:15, 120:7
Virginia [2] - 90:25, 111:25
visit [9] - 4:23, 33:13, 56:8, 57:25, 58:17, 73:21, 74:2, 92:3
visits [1] - 106:2
visual [1] - 21:20

W

Waddell [2] - 89:21, 89:23
walk [2] - 73:16, 104:6
walked [1] - 117:13
walking [2] - 73:25
wall [1] - 9:14
Wallman [2] - 114:17, 115:11
WALLMAN [1] - 115:12
Wani [8] - 101:14, 101:17, 101:20, 101:24, 102:1, 102:9, 102:11
water [7] - 15:2, 15:13, 17:23, 20:6, 27:16, 76:5
ways [1] - 85:8
weakness [5] - 7:2, 18:4, 18:5, 31:12, 31:21
wear [3] - 28:1, 42:23, 43:10
wearing [1] - 107:22
website [4] - 75:6, 75:9, 75:13, 76:2
week [6] - 11:6, 109:1, 109:4, 109:6, 120:4, 120:5
weeks [2] - 71:22, 120:8
weight [1] - 120:3
whereas [2] - 41:23, 43:16
white [7] - 15:19, 17:14, 17:15, 22:6, 23:6, 23:18, 28:20
whiteness [1] - 27:18
whiter [1] - 15:2
whole [2] - 23:21, 28:17
wife [3] - 111:17, 111:18, 112:1
winds [2] - 94:16
wiring [2] - 9:14, 24:18
wish [1] - 71:3
wishbone [2] - 19:13, 19:14
withdrawn [2] - 47:21
witness [7] - 2:7, 30:2, 30:4,

<p>30:8, 50:21, 52:15, 113:12 WITNESS ^[19] - 2:10, 10:14, 13:8, 21:15, 21:18, 23:12, 23:15, 42:20, 48:9, 49:18, 50:25, 51:3, 51:8, 85:17, 100:12, 100:16, 101:8, 118:22, 120:22 word ^[4] - 17:19, 28:12, 96:8, 96:19 wording ^[1] - 97:7 words ^[1] - 69:12 workers ^[2] - 54:20, 54:21 workers' ^[10] - 89:9, 90:3, 90:8, 90:13, 90:19, 91:4, 113:17, 113:22, 116:12, 116:17 workmen's ^[1] - 52:4 Workmen's ^[1] - 52:20 works ^[3] - 17:11, 23:10, 56:24 world ^[2] - 75:3, 75:4 worried ^[1] - 42:4 worry ^[1] - 41:25 worse ^[6] - 72:21, 116:4 worsened ^[1] - 73:6 worsening ^[2] - 73:17, 104:7 Wrangler ^[1] - 46:1 Wrap ^[2] - 17:21, 17:22 wrapped ^[2] - 9:23, 17:20 wrapping ^[1] - 6:22 write ^[1] - 25:6 written ^[1] - 97:18 wrote ^[2] - 25:17, 104:3</p>	<p>YORK ^[1] - 1:1 York ^[9] - 1:11, 1:18, 1:21, 2:11, 3:20, 3:21, 3:24, 52:16, 90:12 young ^[1] - 16:1 younger ^[2] - 23:4, 44:13 yourself ^[2] - 63:10, 117:24 yourselves ^[2] - 49:21, 121:2</p>
X	Z
<p>X-rays ^[3] - 7:15, 77:15, 77:21</p>	<p>zero ^[2] - 33:10, 39:18 zip ^[1] - 36:6 Zwanger ^[3] - 11:23, 61:11, 93:19</p>
Y	
<p>year ^[20] - 3:1, 3:6, 3:17, 41:20, 52:19, 52:24, 85:2, 85:3, 85:5, 86:8, 104:23, 109:18, 115:15, 116:24, 118:15, 120:15, 120:16, 120:17 years ^[28] - 3:2, 3:11, 6:19, 15:23, 18:12, 27:21, 31:3, 33:15, 39:20, 39:21, 53:1, 53:2, 67:10, 74:14, 84:15, 86:13, 87:1, 88:25, 90:17, 91:17, 94:10, 96:25, 103:2, 103:14, 114:11, 115:14, 115:15 yellow ^[1] - 92:25 yesterday ^[4] - 26:16, 90:20, 101:13, 117:20 YO ^[1] - 104:23 yogi ^[1] - 36:5</p>	