

IN THE UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF ILLINOIS  
EASTERN DIVISION

<p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p>	<p>IN RE: ZIMMER NEXGEN KNEE IMPLANT PRODUCTS LIABILITY LITIGATION,</p>	<p>)</p> <p>)</p> <p>)</p> <p>)</p> <p>)</p>	<p>Docket No. 11 C 5468</p> <p>Chicago, Illinois January 12, 2012 2:08 p.m.</p>
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TRANSCRIPT OF PROCEEDINGS - Motions  
BEFORE THE HONORABLE REBECCA R. PALLMEYER

APPEARANCES:

<p>10</p> <p>11</p> <p>12</p>	<p>For the Plaintiffs:</p>	<p>JOHNSON BECKER PLLC BY: MR. TIMOTHY BECKER 33 South 6th Street, Suite 4530 Minneapolis, Minnesota 55402</p>
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ANAPOL SCHWARTZ  
MR. JAMES R. RONCA  
1710 Spruce Street  
Philadelphia, Pennsylvania 19103

FOOTE, MEYERS, MIELKE & FLOWERS, LLC  
BY: MR. PETER J. FLOWERS  
3 North Second Street, Suite 300  
St. Charles, Illinois 60174

POGUST, BRASLOW, MILLROOD  
BY: MR. TOBIAS L. MILLROOD  
161 Washington Street  
Conshohocken, Pennsylvania 19428

<p>20</p> <p>21</p> <p>22</p> <p>23</p>	<p>For the Defendants:</p>	<p>BAKER &amp; DANIELS, LLP BY: MS. ANDREA R. PIERSON MR. JOSEPH H. YEAGER, JR. MS. ABIGAIL M. BUTLER 300 North Meridian Street, Suite 2700 Indianapolis, Indiana 46204</p>
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BAKER & DANIELS, LLP  
BY: MR. KURT E. STITCHER  
311 South Wacker Drive, Suite 4400  
Chicago, Illinois 60606

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Court Reporter:

FRANCES WARD, CSR, RPR, FCRR  
Official Court Reporter  
219 S. Dearborn Street, Suite 2118  
Chicago, Illinois 60604  
(312) 435-5561  
frances\_ward@ilnd.uscourts.gov

1 THE CLERK: 11 C 5468, Zimmer NexGen Knee Implant  
2 Product Liability for in-court hearing.

3 THE COURT: Good morning.

4 MR. RONCA: Good morning, your Honor.

5 Do you want general appearances?

6 THE COURT: Sure. Why don't we do that.

7 MR. RONCA: Jim Ronca for plaintiff steering  
8 committee.

9 MR. MILLROOD: Tobi Millrood for plaintiff steering  
10 committee.

11 MR. BECKER: Good morning, your Honor.

12 Tim Becker for plaintiff steering committee.

13 MR. FLOWERS: Good morning, your Honor.

14 Pete Flowers.

15 MR. YEAGER: Good morning, your Honor.

16 Jay Yeager for the defendants.

17 MS. PIERSON: Good morning, your Honor.

18 Andrea Pierson for the defendants.

19 You know my partner Kurt Stitcher, but I also want  
20 to introduce you to my partner Abigail Butler.

21 The Court may have noticed my increasing girth  
22 during these conferences.

23 THE COURT: I would never comment.

24 (Laughter.)

25 MS. PIERSON: I think it's unlikely that I will be

1 at the next couple of status conferences, but Ms. Butler will  
2 be here in my stead.

3 Ms. Butler and Ms. Sellers, who you met last time,  
4 also have been leading our efforts on the collection of  
5 documents. So she will be addressing that with the Court  
6 today and is in the best position to tell you about the  
7 efforts that have been ongoing since our last conference.

8 THE COURT: That's great. Okay. Good.

9 Well, we are ready for these presentations.

10 Let me tell you that I enjoyed reading your  
11 submissions and feel I know a bit more about the technology  
12 and the concerns that are generated by these knee implants,  
13 but I am looking forward to this live show.

14 MR. RONCA: Okay. And, your Honor, during the  
15 course, while I am speaking first here, I may have to  
16 sometimes turn my back to you a little bit, so I hope you  
17 don't mind.

18 THE COURT: That's fine. In fact -- I don't know  
19 how much light you need. Can I turn out the lights?

20 MR. RONCA: I don't need anything, your Honor.

21 THE COURT: At least for now, let me turn out --  
22 let's make this scene more dramatic here, this space scene.

23 MR. RONCA: This is the universe -- no.

24 THE COURT: I know. I love starting here. Let's  
25 go back to the big bang.

1 MR. RONCA: Let's talk about knees, though, your  
2 Honor.

3 First, let me say that most people view the knee as  
4 a hinge joint, like a regular hinge, which moves in one plane  
5 of motion. The difference being that this hinge has  
6 mechanical connections which make it very, very stable.

7 The knee itself is really the meeting of two bones,  
8 the upper bone and lower bone, as you read in the papers, and  
9 it's connected by literally ropelike ligaments. That is what  
10 holds it together.

11 The difference, obviously, between the hinge and  
12 the ropelike is, the rope is flexible along its length, but  
13 it's of a fixed length and does not stretch. You will see  
14 how this becomes important as we discuss it.

15 So if we want to start, then, what we want to do,  
16 your Honor, is take -- please ignore the androgynous avatar  
17 here.

18 We want to start really bringing you down to the  
19 bone level and working outward on all the structures.

20 So the basic structures of the leg, as you know,  
21 are the femur, or thigh bone; the tibia, or shin bone; the  
22 patella, which is the kneecap; and the fibula, which is the  
23 small bone in the lower leg. It is not weight-bearing, but  
24 it connects to certain muscles that are used in the knee.

25 THE COURT: And we are looking at a right leg here?

1 MR. RONCA: That's a right leg. You can see --  
2 If you will, freeze it, please.

3 So you can see the length of the femur. The top is  
4 the acetabulum, which fits into the hip. At the bottom where  
5 it widens is where the knee connects with the femoral  
6 condyles, which we will see in another slide as we go on.

7 So you can continue.

8 So this is a further close-up of the knee. It's  
9 showing you in rotation and the posterior.

10 Now, if you can, freeze it there for a second.

11 So in the posterior, you can see the tibia, the  
12 femur, and the fibula.

13 Now, a couple of guide points whenever you read  
14 medical things about the knee. So the medial -- I have a  
15 laser.

16 THE COURT: I am sorry. Once again, this is a  
17 right?

18 MR. RONCA: It's the same leg. It's always going  
19 to be the same leg in these animations.

20 THE COURT: And that's why the fibula is on the  
21 outside.

22 MR. RONCA: Right.

23 Whenever we refer to distal, what we are referring  
24 to is the part farthest away from the center of the body, or  
25 the lower part of the leg. But your head is also distal to

1 the center of the body. So distal means farthest away.

2 Proximal means closest. So this is the proximal  
3 part of the tibia, closer to the center of the body. This is  
4 the distal part of the femur, farther from the center of the  
5 body.

6 And then, there is medial and lateral. Medial is  
7 in the middle, or between the knees. Lateral is the outside  
8 where the fibula is.

9 So we are looking from the posterior, or back.  
10 Medicine always needs a word instead of the actual word.

11 THE COURT: Right.

12 MR. RONCA: Anterior is front.

13 So this will rotate now.

14 If you will, proceed.

15 And you can see, then, the bone structures from the  
16 other side of the various bones, and it will rotate around to  
17 the front.

18 Now, the next animation will show you a close-up  
19 view of the knee exploded and will identify the various  
20 articulating surfaces on the bony aspects of the knee.

21 So again, we are going to move the bones apart,  
22 move the patella out. And you will see these knoblike  
23 projections on the end of the femur. They are called the  
24 femoral condyles. Condyle means something that articulates.

25 In between, there is a patellar groove. The back

1 of the patella moves through this groove and articulates  
2 there.

3 And then, this is called tibial plateau. This is  
4 what supports the weight coming down through.

5 If you will, freeze it, please, for a second.

6 And it has two condyles also. They are sort of  
7 concave. They have bony eminences in the center, which  
8 provide attachments for the various cartilages.

9 And that's the basic bony anatomy.

10 Go to the next.

11 Now, there are two types of cartilage that are  
12 important to the knee: articulating cartilage and the  
13 cartilage in the menisci.

14 The articulating cartilage goes on the moving  
15 surfaces of the knee. So you are going to see that it's on  
16 the bottom of the condyles, it's on the tibial plateau, and  
17 it's also on the back of the patella.

18 And what happens is, the bone moves on these two  
19 types of cartilages.

20 Go to the next one, please.

21 The other type of cartilage are called the menisci.  
22 They are set there: the lateral, or outside; and the medial,  
23 or inside. The bone sits on top of that. These act as shock  
24 absorbers. So as opposed to being articulating surfaces on  
25 which the bones move, these are shock absorbers for shocks



1 when the load of the body is put on, especially, for example,  
2 when running. And they are more spongy and have different  
3 properties than the articulating cartilages.

4 Next slide.

5 Now, you can see how the bone moves on this  
6 articulating cartilage. And the importance of the cartilage  
7 in the bone is that it spreads and diffuses the pressure of  
8 the weight and makes it an even spread across the bony  
9 surface.

10 In addition -- and you will see in another slide --  
11 the character of this particular articular cartilage is such  
12 that it is a very high lubricant. I think we characterized  
13 it as like water on ice. And it's so well lubricated that it  
14 can make these motions tens or hundreds of thousands of times  
15 in your lifetime and the knee will operate properly because  
16 very little friction is generated by the movement.

17 Next slide, please.

18 So this is a close-up.

19 If you would, freeze it for a second. I want to  
20 point a couple of things, although my thing doesn't seem to  
21 be working very well.

22 THE COURT: Is this cartilage on the top and the  
23 bottom of the -- is it a relatively consistent thickness?

24 MR. RONCA: Yes, throughout that surface.

25 So again looking at a model that I have here will

1 reflect that. It's, for our view, a thin surface --

2 THE COURT: Right.

3 MR. RONCA: -- on the articulating surfaces of the  
4 bone. And it's coating that. It is a thick matrix,  
5 rubbery-type substance. And I am going to explain in a  
6 minute how it uses fluid to create its nourishment and it's  
7 -- the slipperiness that enables it to glide one over the  
8 other.

9 THE COURT: To slide. All right.

10 MR. RONCA: So freeze here.

11 I just want to point out a couple of structures  
12 here.

13 So this is the cartilage matrix, articular  
14 cartilage, that forms on the surfaces of the bones that are  
15 in the joint (indicating). And there is cartilage like this  
16 in many joints. But it's very important in the knee joint  
17 because the weight of the body is all on the knees.

18 Now, it has a mechanical connection to the bone.  
19 Now, what you can hardly see there is that there is a layer  
20 of cortical bone. Bone has -- there's two types of bone,  
21 especially in the long bones of the body like the femur,  
22 which is the longest bone in the body.

23 Can you go to that slide of the -- I am getting  
24 ahead of ourselves here, but -- not that one. Go down two.  
25 There.

1           So when you have bone, you have this hard bone on  
2 the outside called cortical bone. It's smooth. And then the  
3 bone on the inside is called either trabecular or cancellous  
4 bone, and it's got a latticework, or like a honeycomb  
5 structure. It's very strong. You can't look upon it as  
6 being like a soft or spongy. It's spongy in appearance, but  
7 it's hard and strong, and it supports the inside.

8           All right. If we can, go back to the animation  
9 now, please.

10           So that's this bone here (indicating). This is the  
11 cancellous bone, which has -- and it's important because we  
12 will see, when we do a replacement, that it osseointegrates  
13 with the devices or with the cement, and that's what causes  
14 the attachment.

15           Now, this structure of the articular cartilage, it  
16 consists of proteins and cells. The cells are represented by  
17 these dots.

18           And there's two types of proteins. One is  
19 collagen, which you may have heard of, which is a connective  
20 tissue that's used throughout the body, and it's literally  
21 called a type of protein that holds the body together; and  
22 another one called proteoglycans. These are cells -- they  
23 are not cells. They are proteins that attract water, attract  
24 moisture, and attract nutrients into this matrix.

25           So you have long lines of the -- my battery is

1 dying. The white lines there are the collagen cells, which  
2 cause like a fibrous strength on the outside of the  
3 cartilage. The chondral cells -- chondral means cartilage.  
4 If you ever see c-h-o-n-d, that means cartilage. If you see  
5 cytes, that means cells. So these are chondrocytes or  
6 cartilage cells. They are the ones that organize these  
7 proteins. And the proteoglycans are inside.

8           And this matrix is permeable so that fluid can flow  
9 in and out.

10           Next slide.

11           So importantly, the bones have their own blood  
12 supply and nerve supply. The bones can feel pain. If you  
13 break a bone, that pain is coming directly from there.

14           On the other hand, the cartilage does not have a  
15 blood supply and does not have nerves. If you cut the  
16 cartilage, damage the cartilage, have arthritis in the  
17 cartilage, the cartilage itself does not generate pain.

18           The pain is generated by two things. One is  
19 pressure points on the bone.

20           If you will, freeze it for a second.

21           When the bone hits a pressure points -- in other  
22 words, remember I said about the spreading of the pressures,  
23 the spreading of the weight by the cartilage. When the bone  
24 gets pressure points, it reacts with pain to the nerve cells  
25 of that pressure point. So if you can think of like a

1 broad -- a shoe with a broad heel stepping on your toe versus  
2 a spiked heel, same weight, you get more pressure. And that  
3 pressure causes pain.

4 So it's important to get this even spreading. And  
5 if you don't get this even spreading, if there is roughness,  
6 if the cartilage is replaced with fibrous tissue because of  
7 scarring or for any reason you don't have the even spreading  
8 of the load on the knee, you get pain in the bone. And that  
9 is one of the mechanisms of pain.

10 Now, the cartilage -- you can proceed with the  
11 animation.

12 The cartilage receives its nutrients from  
13 surrounding fluid. All joints have a capsule around them.

14 If we can, go to the slide of the capsule, which is  
15 the first slide.

16 All joints have a capsule around them, and the  
17 capsule contains fluid. Inside the capsule is synovial  
18 tissue. If you can, picture tissue with a lot of blood  
19 vessels in it.

20 And then there is fluid flowing in between and all  
21 around the cartilage. And what happens is, this fluid  
22 absorbs nutrients and oxygen from the blood. And then that  
23 fluid, because of those proteoglycans that I mentioned, is  
24 absorbed into the porous matrix, and it supplies nutrition to  
25 the cartilage. And that's how the cartilage gets its

1 nutrition.

2 That cartilage that we talked about, that articular  
3 cartilage, is about 65 to 85 percent water. And you can  
4 understand, then, why it has that property. If you could,  
5 think of like a yoga mat, how that spreads pressure when you  
6 are doing whatever kneeling you might do in yoga or kneeling  
7 doing gardening on one of those pads. It spreads pressure  
8 because it has this water inside and it is almost like a  
9 waterbed in terms of the way it spreads pressure.

10 Now, a couple things can happen. When the  
11 cartilage starts breaking down, it stops absorbing the  
12 nutrients as well and then it ages. That's one thing that  
13 happens.

14 The other thing that can happen is, it can get too  
15 much water. It can break down in a way where it has so much  
16 water in it, where it has 90 percent water weight, that it  
17 doesn't spread the weight as well.

18 So really -- and what we are going to see is that  
19 arthritis in the knee is a breakdown of this cartilage. And  
20 what a knee replacement does is not replace the joint but  
21 replace the surfaces, the moving surfaces, of the joint,  
22 unlike a hip replacement where the whole joint is taken out.  
23 This does not replace the whole joint, just the surfaces.

24 THE COURT: You said "unlike a hip replacement."

25 MR. RONCA: Unlike.

1 THE COURT: I know this is kind of extraneous, but  
2 does that mean that the recovery time for a hip replacement  
3 is longer or not really?

4 MR. RONCA: I did not study that, but maybe  
5 Mr. Yeager knows the answer to that.

6 THE COURT: I have two natural knees and hips at  
7 this point, but who knows what the future holds.

8 MR. RONCA: I don't want to scare you.

9 Let's go back to the animation, which -- is that  
10 moving? Okay. Go back.

11 In any event, there is fluid -- if you start this  
12 one again.

13 Go to Slide No. 2, please. I just want to show the  
14 Judge one more picture.

15 So I mentioned these cells that are in the matrix.  
16 And this is a drawing of the matrix of articular cartilage at  
17 the top, the collagen fibers, the proteoglycans, and the  
18 chondrocytes, or cartilage cells.

19 Now, down on the bottom, that's a photograph. It's  
20 done in a laboratory so they use colors to emphasize  
21 different cells. You can see the different cells and the  
22 different shapes of the cartilage itself.

23 So that articulating cartilage is essential to the  
24 function of the knee.

25 Now, the other thing that's essential to the

1 function of the knee is ligaments.

2 If you go to the next animation, the ligaments are  
3 those ropelike structures that literally hold the knee  
4 together. Otherwise it would have no structural integrity at  
5 all.

6 So there are four main ligaments that hold it  
7 together. The lateral collateral and medial collateral  
8 ligaments are on the outside. Lateral being outside and  
9 medial, inside.

10 Freeze it, please.

11 Then, in the center -- so at the top we have the  
12 quadriceps muscle that we are all familiar with, our thigh  
13 muscle, in the front; the kneecap; and the patellar tendon.

14 Patellar tendon is an interesting structure for a  
15 couple of reasons.

16 First off, it's part tendon and part ligament.  
17 Remember I said that ligaments, which connect bone to bone,  
18 have a fixed length. Tendons do not. Tendons can stretch.

19 The patellar tendon is a unique combination of  
20 ligament and tendon. The part that connects the patella to  
21 the tibia, the kneecap to the shinbone, that's partly  
22 ligament, so partly doesn't stretch.

23 And what that does and why this bone evolved the  
24 way it did is, it's a hard surface within the tendon which  
25 creates a fulcrum so that you can get more leverage so you



1 can straighten out your knee easier.

2 So when you bend the knee, as we will demonstrate  
3 later, up to about 30 degrees, that patellar tendon  
4 stretches. But then after 30 degrees of bending, which isn't  
5 very much bending, it doesn't stretch any longer. So it  
6 becomes fixed, and that pulls the patella up above, as we  
7 will see in our rotational views.

8 Go ahead.

9 So this is the medial collateral ligament.

10 Now, each ligament -- stop it, please -- has two  
11 lengths. It has one length for flexion and one length for  
12 extension, both fixed.

13 So when you are totally in extension, your  
14 stability relies on the extension -- extension means  
15 straightening -- extension part of the tendon.

16 And when you are totally flexed, stability relies  
17 on the flexion part.

18 So each one has two attachments, each one has two  
19 lengths, and that's how the knee is held together from the  
20 outside.

21 Go ahead.

22 Quadriceps tightens, the leverage goes against the  
23 patella, pulls the leg straight.

24 Now, inside, there are two other ligaments that --  
25 we have probably all heard of the ACL, or anterior cruciate

1 ligament, and the PCL, or posterior cruciate ligament.

2 Freeze it, please -- or go back a little bit.

3 The anterior called because its primary attachment  
4 to the tibia is in the front, or anterior, and then reflects  
5 up to the back and attaches to the femur. The posterior is  
6 attached pretty much in the posterior of both sides.

7 These ligaments also help hold it together, and  
8 they also help prevent the knee from sliding on itself  
9 forward and backward. So the anterior resists backward  
10 sliding and the posterior resists forward sliding.

11 They are called cruciate because they are cross,  
12 meaning -- cruciate meaning cross each other.

13 And what we are going to find out is, in  
14 replacement surgery the anterior cruciate ligament is always  
15 removed. In fact, you can live your whole life without the  
16 anterior cruciate ligament, but your knee will be a little  
17 loose in certain motions.

18 Posterior cruciate ligament is actually stronger  
19 and more important. And it is either kept in the replacement  
20 surgery or replaced with a post, as we will demonstrate  
21 later.

22 You can continue.

23 THE COURT: What attaches the ligaments to the  
24 bones?

25 MR. RONCA: If you can, stop for a second.

1           The ligaments have a mechanical attachment to the  
2 bone that is natural to the body. It's a very strong  
3 attachment, strong enough that you can tear the ligament  
4 without tearing it away from the bone.

5           THE COURT: It will stay hanging onto the bone.

6           MR. RONCA: It will stay hanging onto the bone.

7           If you have a bad enough injury that you have torn  
8 it away from the bone, that's much worse than just tearing  
9 the body of the ligament itself.

10          THE COURT: All right.

11          MR. RONCA: And you can get an idea of the motions,  
12 when the knee flexes, of those two ligaments.

13          All right. Let's go to the next slide.

14          Now the muscles.

15          We talked about the quadriceps muscle before. It  
16 is the main muscle that straightens the knee out, working  
17 through the patellar tendon and the patella as a leverage  
18 device.

19          In the back we have the hamstring muscle in the  
20 back of your thigh. There is a popliteus muscle I will  
21 mention in a minute. And then the gastrocnemius muscle is  
22 your calf muscle in the lower leg. They combine to do the  
23 flexion of the knee, although most of it is done by the  
24 hamstring.

25          If we stop for a second.

1           The popliteus muscle, that little one that came  
2 across in the back.

3           THE COURT: Yes. That's one I have never heard of.

4           MR. RONCA: The knee doesn't just move in flexion  
5 and extension. It also has some rotational forces on it. So  
6 if you can, picture yourself walking down the steps, your  
7 Honor. When you are off one foot and you are basically  
8 balanced on one foot as you are going down the steps, your  
9 center of gravity is central to where your knee is. It's not  
10 directly over your knee. So your knee is going to get a  
11 rotating force that it has to resist or you are going to fall  
12 down.

13           And that's what that muscle wrapped around the back  
14 partly does, along with the other bigger muscles, is, prevent  
15 the knee from -- if I can demonstrate again -- rotating on  
16 itself. Although in the motions, it does rotate a bit on  
17 itself, like this (indicating). It's actually designed to  
18 work that way.

19           So the forces mostly on the knee are this bending  
20 and straightening.

21           THE COURT: Right.

22           MR. RONCA: But there are also some rotational  
23 forces.

24           Now, if you are involved in sports, you will get a  
25 lot more rotational forces. You can picture a basketball

1 player planting their foot for a lay-up or a football player  
2 cutting, a hurdler. You can see how the forces would be  
3 much, much greater.

4 But in typical normal life, you do get some  
5 rotational force on the knee, which the knee has to account  
6 for.

7 THE COURT: And not to jump too far ahead, but do  
8 the artificial knees also have a little bit of that -- they  
9 must have the same kind of movement, otherwise you wouldn't  
10 be able to walk down the steps without --

11 MR. RONCA: Right. They do account for that  
12 artificial movement because the supporting soft tissue  
13 structure, the two outside ligaments, and then, in some  
14 cases, the posterior cruciate ligament, or the two outside  
15 ligaments and this post, prevent it from moving too much so  
16 it moves out of the joint.

17 So yes, it does accommodate that.

18 THE COURT: A little bit.

19 MR. RONCA: A little bit.

20 Okay. You can continue with that.

21 So we talked about the movement of the knee and  
22 how -- you have heard flexion and extension. So that's  
23 flexion where the hamstring muscles are pulling the knee  
24 down. An extension is when the quadriceps muscle straighten  
25 the knee out. These are two of the most powerful muscles in

1 the body, along with the gluteus muscles.

2 In motions of everyday life, you can have loads up  
3 to five times your body weight on your knee. And it's  
4 concentrated in the knee. And in sports activities, it can  
5 even be higher.

6 Maybe what we will do right now is -- let's segue  
7 to the slides again and go to the different types of joints.

8 Next slide.

9 Okay. So which joints are affected by the weight  
10 of the body and develop arthritis?

11 The development of arthritis is directly  
12 proportional to the stability of the joint. So the most  
13 stable joint in the leg is the ankle joint, which is a  
14 mortise joint, or a joint where bones fit together and spread  
15 the weight.

16 The second most stable type of joint is like the  
17 hip joint, a ball-and-socket joint, where you have bony  
18 structures that support the weight.

19 The knee is that third type of joint, which is held  
20 together with, literally, what we call soft tissue, soft  
21 tissue only because they are not bone. They are very strong  
22 tissues, but they are flexible, ropelike tissues holding it  
23 together.

24 So the knee being the most stable is -- the least  
25 stable is the most susceptible to arthritis, followed by the

1 hip, followed by the ankle. In fact, ankle arthritis is rare  
2 compared to the other two, and that's why we have lots of hip  
3 replacements, lots of knee replacements, but few ankle  
4 replacements.

5 Now, also important to the knee is the geometry of  
6 the condyles.

7 If you could, freeze it there for a second.

8 The condyles themselves are egg-shaped, so they  
9 have two radii. They have a long radii and a short radii.  
10 So when your leg is straight, you have the long radii and the  
11 long circumference supporting weight for more area.

12 Now, when the leg is flexed, you will see -- if you  
13 will, let it go.

14 When the leg is flexed -- we are coming up -- what  
15 you will see is that it rotates back and it gets off of this  
16 long circumference and gets on to the shorter circumference  
17 back here (indicating). So the weight and pressure is  
18 supported by less area.

19 THE COURT: Got it.

20 MR. RONCA: It's going to reflect back in a second.  
21 This one was longer than I had hoped, and I can't make it go  
22 faster.

23 What I should do now is --

24 THE COURT: Here it goes.

25 MR. RONCA: We even have our little scale there for

1 you, so you can see the degrees. And I should possibly  
2 insert a humorous anecdote, but I have none, so we will have  
3 to . . .

4 And you can see at the extremes it's really even  
5 off of this radii and on the back. If you are thin enough,  
6 you can actually literally hit bone-on-bone here with your  
7 tibial plateau.

8 Next slide.

9 Now, what happens when the cartilage starts  
10 degenerating?

11 Well, over time, with age, there could be injury.  
12 There could be wear and tear. There could be the cartilage  
13 is -- no longer has the fibrous tissue. The cells don't work  
14 as well. They don't absorb the nutrients as well. Maybe  
15 have you have lived an unhealthy lifestyle and you don't  
16 absorb nutrients or have as many nutrients.

17 And what happens is, the cartilage starts to break  
18 down. This beautiful, smooth matrix starts to break down and  
19 it causes grinding.

20 Now, when it starts to run roughly over each other,  
21 there is a different type of pain that can be caused than  
22 what I mentioned before about the pressure points in the  
23 bone, and that is, inflammation can be caused in the joint  
24 capsule where the synovial tissue is, which is full of all  
25 these blood vessels, inside the knee joint. And as we know,



1 inflammation causes pain. That's why anti-inflammatories  
2 stop pain. And that's all generated by this.

3 Again, the pain is not in the cartilage itself but  
4 in the surrounding tissue.

5 Next slide.

6 Literally, if you get really, really advanced  
7 degeneration of the cartilage, you can have bone-on-bone  
8 rubbing. Or if you get an injury like what they call a  
9 chondral or cartilage defect -- so you take a big smack in a  
10 car accident, your foot is on the brake and your car gets  
11 hit, your two bones come together and just knock a chunk out  
12 of your cartilage. And it does not grow back.

13 You can ultimately develop wear where you have bone  
14 on bone. Remembering again that bone has nerve endings.  
15 When bone rubs on bone, you are going to get pain because  
16 there isn't that lubrication in between.

17 So when you have these types of circumstances, it  
18 can be dealt with through rehabilitation. It can be dealt  
19 with through pain relievers, anti-inflammatories, injections.  
20 There are many nonsurgical ways to deal with it.

21 But one other way to deal with it is to replace  
22 these damaged surfaces of the joint so the joint will operate  
23 without pain.

24 One other thing to point out here -- if you will,  
25 freeze that.

1           The other thing that develops -- go back. Go to  
2 the end. I just want to do the bones. Thank you.

3           Bones over time will develop what are called  
4 osteophytes. Osteo always means bone. Phyte means growth.  
5 So there's a growth on the bone, little bumps. And these  
6 contribute to the problems of the movement if they interfere  
7 on the moving surfaces.

8           Okay. Now, so we get to the point where someone  
9 needs a knee replacement surgery.

10           Just going back slightly historically on knee  
11 replacement surgery. The big breakthrough on knee  
12 replacement surgery was, they realized that they didn't have  
13 to replace the hinge, but they could replace just the  
14 surfaces upon which the thing slides.

15           The second big breakthrough was when they were able  
16 to develop instruments that you would use in the surgery so  
17 that a whole bunch of different doctors could replicate,  
18 basically, the same surgery by using the instruments for  
19 cutting and for lining things up.

20           When they were able to do this, they were able to  
21 sort of standardize it and make these surgeries very, very  
22 successful.

23           One of the successful inventors, as we indicated in  
24 the papers, was Insall. And Dr. Insall's invention was one  
25 of the primary bases for the NexGen line of knees.

1           We want to say that the standard NexGen knee is a  
2 very successful, low-revision piece of equipment. And it's  
3 been used for many years very successfully.

4           Now, at this point we want to get into what the  
5 replacement -- what this case is about, is knee replacement  
6 surgery. We want to get into that.

7           And, your Honor, when did that, we did that in two  
8 ways. We have an animation of the surgery, broken down into  
9 different parts of the surgery. But we also have video clips  
10 from the Zimmer Web site of actual surgery. We don't think  
11 that the animation displays to you or anyone else exactly  
12 what's going on as it is in real life. So we wanted to show  
13 it.

14           However, it is surgery, so it's graphic. It's not  
15 a lot of blood, if blood bothers you. There is hardly any,  
16 in fact. But it is a bit graphic because they are going to  
17 cut through tissue, et cetera.

18           You good with that?

19           THE COURT: I am fine with that.

20           MR. RONCA: All right. So let's start with the  
21 slide on the incisions. Thank you.

22           So there are two types of incisions that Zimmer has  
23 promoted for their knee replacement procedure.

24           One is a standard or traditional incision, which is  
25 roughly eight to ten inches in length. That varies per

1 patient, size of patient. It varies per the anatomic marking  
2 places.

3 They also promote what is called an MIS. Some have  
4 called this minimally invasive surgery. It's actually  
5 Minimally Invasive Solutions, a trademark acronym. That's a  
6 shorter incision and with modified -- some modified  
7 instruments and some modified pieces so that they can fit  
8 into the smaller incision.

9 So the first video I am going to show is actually  
10 the incision, because you can see -- when they open it up,  
11 you can see the patella and you can see the different  
12 structures that they are cutting through.

13 So if we can, go to that, please. Make that  
14 bigger. We have sound?

15 (Said videotape was played in open court.)

16 THE COURT: This is a Zimmer video?

17 MR. RONCA: Yes. It's available on the Internet.

18 So you can see here, he is cutting around the  
19 patella and along the patellar tendon, along the fibers of  
20 the tendon, not cutting across it, so he can move the patella  
21 out of the way and see inside.

22 THE COURT: Yes.

23 (Said videotape continued to be played in open  
24 court.)

25 MR. RONCA: Synovium we mentioned.

1 (Said videotape continued to be played in open  
2 court.)

3 MR. RONCA: So the first part of the meniscus is  
4 coming off, that shock absorber.

5 THE COURT: Right.

6 MR. RONCA: Now, we go to the next part. First an  
7 animation.

8 So here is someone with advanced osteoarthritis.  
9 The first thing that's going to happen is, you will see that  
10 the thing will be reflected open. The patella moved out.  
11 They will bend the knee so you can see the bottom.

12 Now, this shows it in red. Arthritis doesn't  
13 appear red. It's just to emphasize it. It appears white.

14 They attach a device, a guide. And they use a saw  
15 to saw off the top of the tibial plateau.

16 THE COURT: Got it.

17 MR. RONCA: And when they saw off the top of the  
18 tibial plateau, they expose that latticework bone that I  
19 mentioned, which is important for connection.

20 THE COURT: Right.

21 MR. RONCA: And they drill a hole so they can place  
22 the femoral guide. And you will see these tools look like  
23 something from your tool shop.

24 And then they use a device to saw off the end of  
25 the femur the same way, sawing off the diseased tissue and

1 leaving the cancellous, or lattice-type work, bone exposed.

2 THE COURT: Okay.

3 MR. RONCA: Now if we can, switch to the video.

4 THE COURT: And this again is a Zimmer --

5 MR. RONCA: Yes.

6 Stop it for a second.

7 This is a Zimmer video. This is all taken from a  
8 Zimmer video. It's available on the Internet.

9 THE COURT: And doctors would consult this when  
10 they --

11 MR. RONCA: Right. It's a technical video on  
12 surgical techniques. We have edited it some so there was  
13 enough time to show it. It probably runs about 12 or  
14 15 minutes total. We have edited it down to six minutes. We  
15 left off the beginning and the end, and we just covered the  
16 middle part.

17 THE COURT: That's fine. All right. So now --

18 MR. RONCA: Also, one thing. It's an LPS-Flex  
19 surgery. So it's one where they are going to take out the  
20 posterior cruciate ligament and leave that post, as opposed  
21 to the CR surgery where they leave that posterior cruciate  
22 ligament in.

23 THE COURT: This is a more invasive --

24 MR. RONCA: Right. That's why we wanted to show  
25 this. We couldn't show two or three, so we showed this one.

1 THE COURT: So now we are using the instruments.

2 MR. RONCA: Yes. Correct.

3 Notice the oscillating saw. And the reason I say  
4 that -- proceed.

5 (Said videotape continued to be played in open  
6 court.)

7 MR. RONCA: Freeze it for a second.

8 You can see that in the full surgery, where they  
9 don't use the MIS approach, you can see the entire part of  
10 the distal end of the femur.

11 THE COURT: Right.

12 MR. RONCA: In the smaller surgery, with the  
13 smaller incision, literally the tissue is stretched across  
14 there, and the surgeon cannot visualize the lateral or medial  
15 back end.

16 THE COURT: I see.

17 MR. RONCA: Go ahead.

18 (Said videotape continued to be played in open  
19 court.)

20 MR. RONCA: That device is called a Bovie. It's an  
21 electrocautery cutting device.

22 (Said Videotape continued to be played in open  
23 court.)

24 MR. RONCA: So we can go back to the animation,  
25 please.

1           So in the next part of the surgery, a guide is  
2 placed on the bottom so further cuts can be made to shape the  
3 femur to receive the femoral component of the device.

4           Part of the reason that the device stays on the  
5 femur is the geometric shape. Part of the reason is the  
6 attachment to the bone, but part is the shape. So you have  
7 to shape it to fit. So several cuts are made.

8           The oscillating saw blade is about 1.2 millimeters  
9 thick. And even though it goes through those guides, it has  
10 a flutter in it like any saw, so it makes a wider cut,  
11 depending on the skill of the surgeon, than just  
12 1.2 millimeters.

13           Then they use a chisel to remove those osteophytes  
14 that we mentioned, the little bony growths, just to make sure  
15 there is nothing that impinges.

16           And they need to clean out this intercondylar notch  
17 because what they are going to do is put a slot for that post  
18 that takes the place of the posterior ligament to go into.

19           THE COURT: Right.

20           MR. RONCA: Go to the video.

21           (Said videotape continued to be played in open  
22 court.)

23           MR. RONCA: Sizing.

24           (Said videotape continued to be played in open  
25 court.)



1 MR. RONCA: That's the piece cut off. It's a  
2 measuring device.

3 (Said videotape continued to be played in open  
4 court.)

5 MR. RONCA: There goes the ACL.

6 THE COURT: Okay.

7 (Said videotape continued to be played in open  
8 court.)

9 MR. RONCA: Let's go back to the next animation.

10 So then drill holes are made because the femoral  
11 component, the Zimmer, has two posts, two smooth posts, that  
12 go into those two holes that are drilled.

13 Now the, what he said, important posterior cut is  
14 made, or the cut of the back. Now, this cut has to be made  
15 with this exposure, but also, if you can, picture in the MIS  
16 exposure with a much less visual field than you would have  
17 when you are looking.

18 THE COURT: Yes.

19 MR. RONCA: So you can see now the back of the  
20 condyle is being cut off and the condyle now has this very  
21 sort of squared-off geometric shape.

22 Go to the video.

23 (Said videotape continued to be played in open  
24 court.)

25 MR. RONCA: So he mentioned sizes in there. So

1 these implant components come in different sizes, about  
2 2 millimeters apart, so very small differences in size.

3 Go back to the next animation. We are near the  
4 end.

5 So then a hole is opened up in the tibia because  
6 the tibia is going to have something that goes down inside of  
7 it, a stem to go inside of it, or a keel to place it in.

8 This -- freeze it for a second.

9 So this becomes the articulating surface. This is  
10 a piece of polyethylene. It's a plastic, very sturdy,  
11 long-lasting. And this is what the metal, the new replaced  
12 surface of the femoral condyle, the metal is going to rotate  
13 on.

14 Go ahead.

15 Again, stop a second.

16 This is the post that replaces the posterior  
17 cruciate ligament. And it will fit into the notch in the top  
18 so that when the knee is in a position where it could slide,  
19 that will resist the sliding motion. In other surgery there  
20 would be an opening there, and that posterior cruciate  
21 ligament would still be there.

22 Replace the back of the patella also. It's another  
23 articulating surface which would be moving through this  
24 groove here (indicating).

25 Go ahead.

1           And that's your completed implant. Tibial tray,  
2 articulating surface, femoral component, patellar  
3 articulating surface.

4           You can see the bones are still there. The outside  
5 ligaments are still there. In some cases, the posterior  
6 cruciate ligament is still there. The ligament from the  
7 patella is still there. That popliteus muscle is still  
8 there. All those connections are still there. You are just  
9 replacing the surface.

10           Now stop for a second.

11           Another important thing to remember is that bone is  
12 composed of cells and proteins and calcium. The reason why  
13 bones are hard is because of the calcium that's absorbed into  
14 the collagen. The collagen is the connecting proteins. The  
15 calcium gives it hardness. And the cells provide the  
16 nutrition. And it's made up of living and dead cells.

17           The articulating cartilage is made of collagen;  
18 proteins; other proteins; and living cells, chondrocytes.  
19 These are heterogeneous, heterogeneous, however you pronounce  
20 that. They are different substances working together that  
21 are living and have flexibility.

22           When you replace them, you are replacing them with  
23 cobalt steel and plastic, polyethylene.

24           THE COURT: Right.

25           MR. RONCA: Those are homogeneous substances. So

1 you are connecting, literally, a homogeneous stiff, steel  
2 substance to bone, which is a living substance. And you are  
3 replacing that articular cartilage that we described with  
4 plastic.

5 Go ahead. The final implantation.

6 (Said videotape continued to be played in open  
7 court.)

8 MR. RONCA: Stop for a second.

9 So again, here is the fit over the top of the  
10 redesigned femoral component. Now, the cement -- that  
11 impacting pushed the cement into the latticework that was  
12 exposed.

13 THE COURT: Right.

14 MR. RONCA: That cement is not like glue but rather  
15 like mortar. So it's a substance that has -- it is an  
16 acrylic substance. The back of this femoral component is  
17 coated with the acrylic in the factory. When the acrylics  
18 come together under pressure, what they do is, they bond as  
19 one. So that's how the cement is bonded to the femoral  
20 component. And then it's pushed into the latticework and  
21 then it hardens.

22 So once it interdigitates with the latticework,  
23 then it hardens. And that's what provides the grip.

24 THE COURT: Okay. Is it actual cement?

25 MR. RONCA: No, no. It's an acrylic, you know,

1 like a clear acrylic, like glass that you see. It's an  
2 acrylic like that.

3 THE COURT: Okay.

4 MR. RONCA: And it hardens like that. It's soft  
5 when it has the solvent. But the solvent goes away, and that  
6 leaves the hard. And it dries quickly and bonds.

7 Go ahead.

8 (Said videotape continued to be played in open  
9 court.)

10 MR. RONCA: See it rotating right on top.

11 THE COURT: Yes.

12 MR. RONCA: Let's go back to the next animation.

13 So the implants work well. Here they are  
14 represented in place with just the bony structures. And as  
15 the knee is flexed, you can see once again -- stop it -- this  
16 different egg shape still pertains, the different radii and  
17 the different circumference so that if you were flexing --  
18 can you move that back so it's flexed in the, say, 90. Good.

19 You can see the amount that is actually in contact  
20 with the knee -- with the lower part.

21 And now -- if you will, move down to 155 -- you can  
22 see the effect.

23 Now, I want to at this point -- if you will, freeze  
24 that there -- demonstrate a couple of things.

25 Go to the slides, please.

1 First of all, let's talk about cemented versus  
2 noncemented because you didn't see the noncemented.

3 THE COURT: Right.

4 MR. RONCA: In the cemented version, as we said,  
5 this white represents the cement which interdigitates with  
6 the latticework bone in both places.

7 In a noncemented, the back side of the components  
8 are made with a porous or beaded-type metal configuration so  
9 that the bone will grow into that and make a similar bond.

10 Why do one? Why do the other?

11 For a long time and until recently, cement was the  
12 gold standard, and some would argue it's still the gold  
13 standard, but others argue otherwise because it has some  
14 negative parts.

15 First of all, when that solvent goes away, it goes  
16 into the bloodstream and literally increases the risk of  
17 emboli. In fact, if you look at an echocardiogram while this  
18 is being done, when they put the cement in, you can actually  
19 see the emboli coming into the heart.

20 Now, most of the time, the vast majority of the  
21 time, they are too small to cause any problems. But once in  
22 a while, they can cause a big problem. That's one problem.

23 The second problem is, if you ever have to do a  
24 revision --

25 THE COURT: You have to scrape all that out.

1 MR. RONCA: That's all got to come out. You've got  
2 to start with new bone.

3 These don't have those two things. Okay.

4 But there are those who argue it doesn't have the  
5 strength or fixation.

6 THE COURT: Right.

7 MR. RONCA: Next slide.

8 Now, the Flex systems were first sold in Asia where  
9 there is a substantial part of their cultural identity which  
10 has to do with squatting, sitting cross-legged, or praying  
11 like a Muslim prayer with your knees bent. So they are bent  
12 all the way back, past 120 degrees, which your typical  
13 standard implant can achieve.

14 When they were marketed in this country -- go to  
15 the next slide -- they talked about these Flex knees not for  
16 these social necessities but for an active lifestyle. They  
17 talked about people resuming many of the physical activities  
18 they had come to enjoy. And they talked not just about  
19 sitting cross-legged and squatting, et cetera, but gardening,  
20 golfing, running. We have some other examples, and there are  
21 many examples where it's expounded on what people could do.

22 Now I have to do a bit of a demonstration.

23 If you want to bend the knee beyond 120 degrees --  
24 most of your activities of daily living do not require  
25 bending your knee beyond 120 degrees. Getting in and out of

1 a car, going up and down steps, getting out of a chair,  
2 walking, these do not require that kind of bending.

3 Some activities do. For example, if you were to  
4 get into the position of, say, a baseball catcher, a  
5 traditional western squat on your toes (indicating), what  
6 happens is, you have the knee, it's bent all the way around.  
7 And at some point my thigh and calf are going to come  
8 together, depending on how big my particular legs are. And  
9 that will cause a fulcrum point right here, with the weight  
10 behind the fulcrum point, creating a lever.

11 A distinction is that most Asians do not squat that  
12 way. They squat flatfooted, which keeps the shin bones  
13 straighter and takes some of the weight and pressure off the  
14 knee.

15 So if we go to the next slide.

16 So in the course of the marketing of the devices,  
17 they show these various positions where the knee is bent the  
18 whole way, and actually a photograph showing what we just  
19 showed in the animation, the tipping back and the extended  
20 articulating surface, which is how Zimmer was able to  
21 effectuate this, was by making this piece thicker and  
22 extending the articulating surface -- okay? -- and extending  
23 the condyle.

24 Some other manufacturers do it by cutting off the  
25 end of the articular surface and creating an angle there.



1 Zimmer didn't choose to do that.

2 Next slide.

3 Again, another reference to "patients today want to  
4 continue their previous lifestyle even after total knee  
5 replacement."

6 Next slide.

7 So this is what I was talking about in terms of  
8 squatting. And it's also like a nutcracker effect. In fact,  
9 I have a nutcracker. And if I have a nut like that, I cannot  
10 crush that nut in my hand. But using the nutcracker, I can  
11 crush it with the same amount of strength because I am using  
12 the same hand. I can even use less. And the reason for that  
13 is the leverage on the end of the lever arm of the  
14 nutcracker.

15 Now, those same kinds of forces affect the knee  
16 where people contact.

17 Next slide.

18 So this fellow is bending down with one knee down.  
19 You can see the weight is behind the fulcrum point. The  
20 fulcrum point is right here (indicating).

21 What do you think is happening in the knee when  
22 that happens?

23 You are getting a force this way and this way,  
24 pulling it apart, just like it would pull apart the end of  
25 the nutcracker if it wasn't attached so strongly with a piece

1 of metal.

2 The other thing about squatting that I want you to  
3 picture is, if a person squats on their toes, is that when  
4 you squat on your toes -- I can't even really do it with this  
5 knee because I hurt it.

6 Remember we said this patellar tendon stops  
7 stretching past 30 degrees.

8 THE COURT: Right.

9 MR. RONCA: So what happens, then, when you are  
10 squatting like this?

11 It's pulled tight over the top. And now the  
12 muscle, of course, is also acting and tightening to try to  
13 keep me balanced in this position. So you are adding an  
14 additional force over the top of the knee, pressing downward.

15 Go back to the animation where we were. Let's go  
16 toward the end where it's at 155 degrees. Stop it there.

17 If you can, picture that patellar tendon coming  
18 over the top and attaching here (indicating) and being pulled  
19 tight with the patella now on top of the femoral condyle,  
20 where is that force being expressed?

21 Straight down through onto this same spot.

22 Continue with this animation until it's over.

23 So if this motion continues with that kind of  
24 weight and pressure -- it's not running. It's not running.  
25 Click it on the arrow. Now we are back at the beginning.

1           What's going to happen is, it's going to repeat  
2 several times, and what can happen is, you can develop damage  
3 to the articulating surface being compressed, damage to the  
4 bone beneath it, and lifting -- because remember, these are  
5 steel pieces. They are solid. A force expressed here will  
6 be also expressed here. A force expressed downward here will  
7 be expressed upward here (indicating).

8           And if it keeps going -- and we are having  
9 difficulty with this one, so we are just going to -- oh, is  
10 it the next one? I am sorry.

11           (Said videotape played in open court.)

12           MR. RONCA: You will see, as this gets to the  
13 end -- had I thought it would take this long -- it seemed  
14 really short when I was doing it.

15           It's going to start showing wear here (indicating).  
16 See it? And here (indicating). And lifting on the front  
17 end.

18           Okay. That's good enough.

19           THE COURT: In other words -- I see. All right.

20           MR. RONCA: So why do the plaintiffs think that  
21 there are problems with this particular knee and what  
22 science -- what reporting supports that?

23           Let's go to the slide next, please.

24           The FDA has a voluntary system of adverse event  
25 reports. Now, I think most people have a reliance on the FDA

1 to be very careful about what devices are put in our bodies,  
2 what drugs are put in our bodies, foods and everything else.

3 But the vigilance of the FDA varies with the type  
4 of device. For example, drugs have always been required to  
5 have premarket approval. Go through an elaborate application  
6 process and go through elaborate testing and prove to the FDA  
7 safety and efficacy before it can be marketed.

8 Originally, medical devices were not included in  
9 the act and were only added later. After they were added,  
10 there were already tens of thousands of devices on the  
11 market, and it was impossible for them to go back and check  
12 them all. So they allowed what they called a 510(k)  
13 clearance, which clears the devices for marketing without  
14 that elaborate testing that we talked about.

15 In fact, if the elaborate testing is done, which is  
16 only done on about 10 percent of implanted devices on the  
17 market, there is preemption against claims of design. But if  
18 you elect to have a 510(k) procedure, which then relies on  
19 predicate devices to say, hey, the prior device worked, this  
20 one will work. We have designs -- and most of the testing is  
21 done on the bench, like with design rationales, drawings,  
22 computers, or maybe the device going through a machine with  
23 measurements. They are not done in vivo, in life, in real  
24 people like drugs are typically, or it's minimal.

25 Once it gets out in the real market, that is where

1 the problems begin to appear.

2 Now, post-market surveillance is also not the best  
3 because it's voluntary. And the system is, the doctor needs  
4 to send it in when they think there is a problem, but there  
5 are plenty of published articles that say -- and including  
6 the FDA's own articles -- which say that tends to be  
7 underreported by a factor of 10 to 20.

8 So what we see is, the reported incidents of Flex  
9 reported. Now, there are plenty of these reports that don't  
10 mention whether it's Flex or not. It doesn't really identify  
11 from what we can see, because we are still subject to only  
12 public documents except for the 10,000 pages we got before  
13 yesterday.

14 But you can see that there is an upward slope of  
15 failures, that the failures in 2010 were 100, which could be  
16 a thousand or 2,000 because of the underreporting. And the  
17 failures in 2011, which you don't see, were only reported  
18 through June, but there were 100 through June, meaning  
19 potentially for 2011, there could be 200, meaning there could  
20 be as many as 2,000 to 4,000 failures.

21 Based upon the number of Flex that we think are  
22 being sold, which we don't know for sure, we think that would  
23 be a high failure rate compared to the standard.

24 Now, let's go one more step, please.

25 So in terms of having it approved -- or cleared,

1 not approved, cleared for marketing, these are the 510(k)s  
2 and the numbered applications for the various devices. You  
3 can see the non-Flex standard, CR, and LPS provided the basis  
4 for every one of these devices. And in most cases, except  
5 for minor design changes, they were called identical or  
6 substantially equivalent.

7 The non-Flexes, the standards, they were based on  
8 even earlier devices by the same process.

9 Next slide.

10 Also pointing out that the MIS tibial components  
11 had the same progeny as the Flex components.

12 Next slide.

13 So the first article that was published and  
14 referred to in the -- on our paper was the article by Han.  
15 And what Han did was, he followed a certain number of people  
16 with one surgeon, so the same technique for each, an  
17 experienced surgeon. And what they found was a high  
18 incidence of failure. I think it was 38 percent of loosening  
19 and 21 percent revision.

20 And these were X-ray photos from Dr. Han's article  
21 showing where it's lifting off on that femoral component, as  
22 we demonstrated earlier with the animation.

23 Next slide.

24 Then, in 2010, a physician by the name of  
25 Dr. Berger from Chicago, at the Rush Institute, and

1 Dr. Della Valle got up at the American Academy of Orthopaedic  
2 Surgeons' meeting and gave this abstract presentation, that  
3 they had done -- two surgeons in their department had done a  
4 certain number of knees. They had reports on 108. And of  
5 these 108 knees, 39, or 36 percent, were loose; and nine had  
6 to be revised. And these were high implant rates.

7 And what did these doctors say in front of the  
8 general national meeting of all the orthopedic surgeons?  
9 They said, this component is still commercially available but  
10 should not be used for any patient.

11 Furthermore, this report highlights the need for  
12 clinical studies -- that's studies in humans, not on the  
13 bench -- prior to new design implementation.

14 Next slide.

15 And who's Dr. Berger? Dr. Berger was a Zimmer  
16 consultant and received, for example, in 2007, \$2.2 million  
17 from Zimmer. In 2008, he received \$5.7 million from Zimmer.

18 Now, how do we know this?

19 This is on the Zimmer Web site. And the reason  
20 it's on the Zimmer Web site is because all of the orthopedic  
21 device manufacturers had entered into a system where payments  
22 were made to consultants in high amounts across the country,  
23 and they were all subject to deferred prosecution agreements,  
24 which required, in Zimmer's case, them to pay \$169 million in  
25 civil penalties and also post on the Internet the consultants

1 who were paid in 2007, 2008, and 2009.

2 In 2008 they paid consultants roughly  
3 \$85.5 million. And the whole issue was, were they getting  
4 paid for their hours? I mean, \$5 million would be a heck of  
5 a lot of hours.

6 Next slide.

7 There are also other articles that we didn't  
8 mention in our paper, but I will bring to your attention just  
9 one.

10 This is an article in the *Journal of Bone and Joint*  
11 *Surgery*, a peer-reviewed journal, from October 2011 by  
12 Dr. Bohler and others. What they did was test high-flexion  
13 designs from five different manufacturers. Their conclusion  
14 was, the high-flexion designs have a greater risk for femoral  
15 component loosening than conventional or standard total knee  
16 replacement designs. And they give the technical reason: the  
17 absence of the femoral load sharing between the prosthetic  
18 component and the condylar bone.

19 Next slide.

20 So they made a bar chart of the force that it takes  
21 to loosen particular implants. On this side, these are all  
22 the Flexes, five different manufacturers. On this side,  
23 these are all the standards. You can see generally the  
24 standards require more force in order for them to loosen.

25 And what we can show -- next slide -- is that the



1 Zimmer NexGen Flex was the lowest by far -- in other words,  
2 the least amount of force needed for loosening -- amongst all  
3 the Flex implants. And actually, the Zimmer NexGen standard  
4 was the least amongst all the standard implants.

5 Next slide.

6 Now, the defendants, in their position paper, point  
7 to a letter that a Dr. Giles Scuderi wrote and got published,  
8 critical of the Han article that we mentioned before.

9 So who is Dr. Scuderi? Dr. Scuderi is the same  
10 person that was in that promotional piece that we showed you  
11 earlier. And Dr. Scuderi is also a Zimmer consultant who, in  
12 2007, received approximately \$900,000. That's the year he  
13 wrote the letter. And in the next year, he received  
14 \$4,700,000 as a consultant for Zimmer.

15 Now, the plaintiffs have reason to think that  
16 possibly there might be some credibility issue there from the  
17 person who is criticizing another physician who published a  
18 peer-reviewed article and did not have similar connections.

19 Next slide, please.

20 Are we done?

21 Let's complete the failure animation and make a few  
22 comments. And then, unless there's questions from the Court,  
23 I am finished.

24 So the plaintiffs believe that promoting this  
25 device in high-flexion activities leads to early loosening.

1           The defendants put a lot of confidence in the  
2 Australian registry. We believe the Australian registry  
3 still shows a higher rate of failure for the Flex versions  
4 when compared to the regular versions.

5           Now, does the Australian registry provide some good  
6 information? Yes.

7           Is it the be-all and end-all of information? No.

8           First of all, it has no controls. It's just  
9 reporting.

10          Second of all, the reporting is done by database.

11          Third of all, they don't do as many knee  
12 replacements per capita in Australia as we do here. In fact,  
13 they do about half; meaning, in the U.S. we reached the  
14 margins of the bell curve of people who should get this more  
15 completely than they do in Australia.

16          Fourth, it's a relatively low number compared to  
17 the total number. The total number of knee replacements in  
18 Australia for ten years is less than half of the total  
19 replacements in the U.S. in one year. And that's for all  
20 devices.

21          It's a single-payer system, meaning that people go  
22 to big centers to have this done. You don't have community  
23 hospital physicians doing knee replacements out in the middle  
24 of the Outback. People go to hospital centers, to surgeons  
25 who are doing these things all the time. They have a more

1 homogenous population. They have a less obese population.

2 So there's a lot of factors that you could take  
3 into account when you look at the registry and say, this is  
4 the be-all and end-all of information that we need about  
5 these devices.

6 Our position is that the devices have a higher  
7 failure rate. It's related to the design and instructions of  
8 the device and that we have a case.

9 If there's no questions, your Honor, I am finished.

10 THE COURT: Thank you.

11 Should I leave the lights low?

12 MR. YEAGER: If we can take about three minutes?

13 We have to swap out some technology.

14 THE COURT: Certainly.

15 Let me turn the lights on so you can do that.

16 Does your presentation -- is it similar in terms of  
17 length?

18 MR. YEAGER: Probably about an hour.

19 THE COURT: All right. In that case, I will take a  
20 couple minutes myself and be right back.

21 MR. RONCA: Your Honor, before you leave the bench,  
22 my colleague just pointed out to me -- I just want to say  
23 that we have -- obviously still have limited information  
24 about what they have inside of Zimmer, and we are limited by  
25 that in our presentation.

1 THE COURT: All right.

2 I will be back in about five minutes.

3 MR. YEAGER: Thank you.

4 (A brief recess was taken at 10:49 a.m. until 10:58  
5 a.m.)

6 MR. YEAGER: Your Honor, while we are getting  
7 ready, if I can just hand up -- these are some samples.

8 (Documents tendered.)

9 MR. RONCA: Could I look at them also?

10 MR. YEAGER: Of course.

11 (A discussion was had off the record.)

12 MR. YEAGER: While we are waiting, the Court asked  
13 the question about rehabilitation between hips and knees.

14 THE COURT: Yes.

15 MR. YEAGER: From what we understand -- what I  
16 understand, actually the knee rehabs are usually longer.  
17 Although you have the same basic amount of weight, it's on  
18 smaller surfaces and a more complicated surface, is what I am  
19 told.

20 But generally the rehabs do take longer.

21 THE COURT: I also notice -- again, this is not  
22 relevant to anything, I suspect, but this feels really kind  
23 of heavy.

24 MR. YEAGER: Yes.

25 THE COURT: As compared to your -- I assume my own

1 knee is not that heavy.

2 MR. YEAGER: Yes.

3 THE COURT: So when you have one of these, do you  
4 notice that?

5 MR. YEAGER: I have never heard of anybody saying  
6 that.

7 Andrea, do you know?

8 MS. PIERSON: It's amazing that patients don't  
9 notice it, your Honor.

10 Joint replacement surgery is one of the really  
11 incredible surgeries that are available for patients. The  
12 weight of the component is, obviously, something we consider  
13 in the design, but it's not a factor that the patient ever  
14 feels.

15 THE COURT: Interesting.

16 MR. YEAGER: And I am told they don't set off metal  
17 detectors.

18 THE COURT: That was another question.

19 MR. YEAGER: That was another question.

20 THE COURT: Yes.

21 MR. RONCA: Although, your Honor, I had a thallium  
22 stress test. Two weeks later I was going into Canada. I set  
23 off every radiation detector in the airport from the thallium  
24 in my blood.

25 THE COURT: Oh, my gosh.

1 MR. RONCA: They took me in the back room. They  
2 put a Geiger counter on me. They checked all my luggage.  
3 They thought I was bringing in nuclear weapons. It was at  
4 least two weeks later. Maybe they are very sensitive.

5 (Brief pause.)

6 THE COURT: Is it okay if I turn the lights off, or  
7 do you need the light?

8 MR. YEAGER: I don't need a light.

9 Thank you, your Honor. And thanks for giving us  
10 some time to get our switchover done.

11 Mr. Ronca spent time explaining largely the biology  
12 of the knee and some of the disease processes, which I think  
13 provides for a nice transition to our part of the  
14 presentation. We don't overlap too much. We overlap a  
15 little bit. But our presentation is really -- touches on the  
16 biology of the knee but really is more about the device and  
17 how the device works.

18 So we have one animation here, which will be  
19 familiar to you. It shows how the knee works in normal  
20 function; normal, healthy-functioning knee. It shows the  
21 cartilage, shows the patella, the patellar tendon.

22 The Court had asked, when we talked about our  
23 position papers initially, why does it hurt? What is the  
24 disease process?

25 And almost all these knee replacement surgeries are

1 for arthritis, osteoarthritis, the disease process that has  
2 been described fairly well already this morning.

3 And the Court asked a question, why does it hurt?

4 It hurts because there are nerve endings. And when  
5 that cartilage wears away and you get down to the bone and  
6 it's bone-on-bone, that's what causes the pain.

7 What we are going to talk about, how does total  
8 knee arthroscopy, or TKA, address the pain?

9 This is just a schematic almost, a diagram of some  
10 of the cartilage at a macro level rather than a micro level  
11 that we saw before. And you can see healthy knee, healthy  
12 cartilage. And here is some deteriorating cartilage, a  
13 medical illustration.

14 As that advances, you get more and more pain and  
15 restrictions.

16 What are the implant components? What do we do to  
17 treat this?

18 I know the Court will recall from some of our prior  
19 discussions something about this, but just to review very  
20 briefly. We have given the Court the four components: the  
21 femoral that goes on the femur; the tibial that goes on the  
22 top of the tibia; the articular surface, sometimes you will  
23 hear it referred to as TAS, which is the plastic --  
24 high-density plastic piece in between; and then the patellar  
25 component.

1           This is just an animation that shows the different  
2 angles of the knee. So there is the knee head-on. This is a  
3 knee with the implants. And you can see the patella on the  
4 front. Quarter front view. There is the side view with the  
5 patella, the femoral component, tibial component, and  
6 articular surface.

7           There is the view from the back with the condyles  
8 wrapping up around from the right side.

9           And then back to the front.

10          THE COURT: Okay.

11          MR. YEAGER: We talked a little bit about the  
12 implant surgery. Here is our animation to kind of show the  
13 surgery front to back.

14          This fellow has obviously got worse problems than  
15 his knee problems.

16          (Laughter.)

17          MR. YEAGER: I am not going to stop this. We will  
18 just go on through it because it's a little bit redundant.

19          But I think what's important here is that these  
20 slices show the cuts.

21          And for some reason, it is stopped.

22          THE COURT: Was this video created for me, or is  
23 this used in some other context?

24          MR. YEAGER: This was something we already had.

25          THE COURT: Great. Good.



1 MR. YEAGER: Hopefully it will go further this  
2 time. It ran great for the last three days.

3 THE COURT: Never fails, right?

4 MR. YEAGER: So we saw some of the surgical views.  
5 This depicts what all the cuts have to look like where you  
6 had a bare bone, so to speak.

7 THE COURT: And when the surgeon does this, he or  
8 she already has the size.

9 MR. YEAGER: Well, they size it. They have a rough  
10 idea, but they size it. I think you saw some slides before.

11 THE COURT: During the surgery.

12 MR. YEAGER: During the surgery. And there are  
13 even now half sizes to try to get it to fit very, very well.  
14 And then there's the component.

15 THE COURT: Here is my metal piece.

16 MR. YEAGER: It rotates over. Clamps on there,  
17 cemented or uncemented. Yours is a porous, so yours would  
18 not be cemented.

19 There is a baseplate. It would be screwed on, and  
20 then there is a tool that snaps that plastic piece into the  
21 baseplate.

22 THE COURT: Right.

23 What do you call this little round thing?

24 MR. YEAGER: Patellar button, I think.

25 THE COURT: It goes behind the patella.

1 MR. YEAGER: Right, because it slides. The patella  
2 has to slide over the implant.

3 This fellow has amazing recuperative powers because  
4 he can stand up right after the surgery and walk away.

5 One of the things that may become an issue in the  
6 case and I think probably already has become an issue in the  
7 case are variations in the surgical techniques that doctors  
8 may choose to use when they are implanting these devices.

9 We have talked a little bit about cemented versus  
10 cementless. I think the Court is familiar with that.

11 Then, you can have conventional surgery versus  
12 minimally invasive surgery.

13 I want to clarify a little bit about what that  
14 really is.

15 The term "MIS" originated with "minimally invasive  
16 surgery." This is a surgery procedure or group of procedures  
17 that doctors initiated to try to have surgeries be less  
18 invasive. And they did it -- before they did it on knees,  
19 they did it on other kinds of surgeries that they found they  
20 could do more easily with smaller incisions. And it came to  
21 be known as minimally invasive surgery.

22 Device companies like Zimmer, of course, have to  
23 serve the advances of science and of medicine and the medical  
24 community and make products that will work with these  
25 procedures.

1 Zimmer did happen to trademark, I think, the name  
2 Minimally Invasive Solutions. So when you see Zimmer MIS,  
3 that's their trademark for devices that they have made to  
4 help these surgeons who choose to do minimally invasive  
5 surgery do those kinds of surgeries.

6 We talked about cemented versus cementless. Here  
7 is a slide that just illustrates the angles and the precision  
8 needed for the cuts on the bones. And the reason this is  
9 important is, in cemented -- you saw some of the cemented  
10 surgery where they put the cement in there and pounded it  
11 down and cement was squirting out.

12 THE COURT: He shaved some of it off.

13 MR. YEAGER: Tried to clean it off. Of course,  
14 it's important that you get all that off. And there are ways  
15 to do that wrong and ways to do it right.

16 On the cementless, because you are not going to  
17 have any grout or cement in there, you've got to have your  
18 cuts right. They have to line up with the angles on the  
19 device, because it takes bone a while to grow. And that bony  
20 surface has to be up tight and flat against the surfaces, the  
21 porous surface, on the inside of the implants, and stable for  
22 a long period of time so that that bone growth can take  
23 place.

24 If it's not, if these cuts are not done right, then  
25 what you get is what they call micromotion. You get a little

1 bit of tiny movement back and forth. And if you have  
2 micromotion during rehabilitation, before that bone has grown  
3 in -- and it takes several weeks -- what happens is, instead  
4 of bone growing in, you get soft tissue growing in. And then  
5 you don't have a very good bond, at least at that part of the  
6 implant.

7           You have heard discussion and we will have some  
8 more discussion about radiolucencies, and those are just  
9 little spaces on the X-rays where it shows a space, a soft  
10 space, between the bone and the implant. And that shows that  
11 maybe the two haven't met up, maybe there is soft tissue in  
12 there, maybe there is a gap in there. Sometimes that can  
13 indicate a loose component. It does not always indicate  
14 that. But that's something that doctors look for. And  
15 that's where you have had micromotion or, for some other  
16 reason, the bone has not grown in over the period of time  
17 that it needs to, to be stable.

18           Rehabilitation is another thing that's obviously  
19 important in the process. The surgeon controls the  
20 rehabilitation process. Obviously, the surgeon has technical  
21 information from the company that these -- every surgeon has  
22 his own process. And sometimes they share them and sometimes  
23 they don't.

24           Dr. Berger, our understanding is, shares part of  
25 his and doesn't share other parts of his. And that's not

1 uncommon, because I think surgeons believe that their process  
2 is the best. But that is something that is up to the surgeon  
3 who supposedly takes into account -- I am sure does take into  
4 account the individual patient and all the different variety  
5 of issues that an individual patient might have, as well as  
6 things like, did I put in a cemented or a cementless  
7 component?

8           It's simply the point I just made about the  
9 micromotion.

10           Why would one need revision surgery for a knee?  
11 What are the causes of problems that would create a revision  
12 surgery?

13           It is certainly not -- and it's easy for a lay  
14 person to jump to the conclusion -- like me, to jump to the  
15 conclusion, well, if there is a revision surgery, there must  
16 be some problem with the component.

17           But that is certainly not the case. There are many  
18 reasons. One leading reason is infection. If you get  
19 infection at the wound site or infection at the bone site,  
20 you can have a loosening that leads to a need for revision.

21           Then, there are a number of aspects of the surgical  
22 technique that have to be right. If they are not right, you  
23 are going to have a problem.

24           Precision of the bone cuts, we talked about that.  
25 If the cuts aren't right, you are not going to get the right

1 ingrowth.

2 Angle of implantation, which is -- you can have the  
3 bone cuts fit the component right, but if you don't have that  
4 component at the right angle to the bone, if it's tilted a  
5 little bit one way or the other, then you could end up with  
6 some forces misaligned, and you could end up with a revision.

7 Cement technique. There is a right way and a wrong  
8 way to do the cementing. As was explained earlier, this  
9 cement is more like a grout. It's not so much an adhesive as  
10 it is something that infiltrates the porosity of the bone,  
11 and then some of the precoating on the component, and then  
12 solidifies.

13 You have got to get that right. You have got to  
14 have clean surfaces, and you have got to have that worked in  
15 correctly or else you are going to have the cement not taking  
16 hold.

17 And part of that is cleaning the surfaces, both of  
18 the implant, making sure you don't get stuff on the implant.  
19 In that surgical field, you can see there are fluids around  
20 in that field. You have got to keep the inside of the  
21 implant clean and dry, away from those fluids, or you are  
22 going to have problems with the bonding.

23 Rehabilitation, another reason for revision  
24 surgeries. There's an amount of weight bearing that's good,  
25 that promotes healing, and then there is an amount that is

1 excessive, that will cause micromotion or cause the thing to  
2 come loose. And that's why the doctor has to give the  
3 patient the right instructions, according to the doctor's  
4 protocol. And then the patient has to follow those  
5 instructions. And if those things don't happen, you can have  
6 problems with the fixing of the bone to the component.

7 Biomechanics are kind of a broad term the company  
8 uses and has used in the orthopedic community just as a broad  
9 term to describe the function of the knee. How is it lined  
10 up? Is it straight? How were the tendons balanced? Is it  
11 sized right? Does everything work together right? If it  
12 doesn't work together right, you can have some misalignments  
13 that can cause a need for revision.

14 At some point in the life of a component,  
15 ultimately you can have wear of these plastic -- the plastic  
16 component, the plastic articular component that takes the  
17 place of the cartilage. And then that can impact other  
18 components. They can become misaligned.

19 Again, in some components -- we don't have this  
20 issue in this case, I don't believe -- you can have  
21 reactions -- body reactions to the bone cement. Actually, we  
22 do have that in one of the cases. Metal debris that could  
23 come out and -- or just a reaction, almost like an allergic  
24 reaction, to the plastic. That can happen.

25 And then there is the whole issue of bone quality,

1 whether -- some of these folks are not in good health, and  
2 they may have deterioration because of health or age, where  
3 their bone stock isn't good enough to support this.

4 The weight of the patient is obviously a factor.  
5 Greater weight puts more stress on during rehabilitation and  
6 afterwards.

7 The level of activity of the patient is also a big  
8 factor. The more active you are -- there was a diagram  
9 earlier of a gentleman who was kneeling down on one knee.  
10 The more active you are, the more stress you are going to put  
11 on your component. There is no doubt about it.

12 And then -- I have given a long list. And then,  
13 device issues. If there is a defect in a device, that could  
14 be another reason that can cause a revision surgery.

15 But before one figures out why revision surgeries  
16 happen -- why certain statistics for revision surgery occur  
17 or why a particular surgery has occurred, you got to look at  
18 all of these. And you can't just jump to the conclusion that  
19 it was a problem with the device. In fact, it usually is  
20 not.

21 The Court asked at our last hearing or maybe two  
22 hearings ago for a little bit about the history.

23 THE COURT: Right.

24 MR. YEAGER: This is a very abbreviated history.

25 There were some implantations earlier in the 20th



1 century, what people would talk about as the modern trend of  
2 joint replacement.

3           Knee replacement surgery originated in the '50s.  
4 There was a seminal paper written by Leslie Shiers in the  
5 *Journal of Bone and Joint Surgery*. There were hinges that  
6 had limited function. And then the design evolved.

7           And this is a very important part of understanding  
8 how this process works in the orthopedic device, science  
9 works. It is evolutionary. Every device builds on the prior  
10 device.

11           So the first device probably wasn't very good. The  
12 next device improved on that. The next device improved on  
13 that.

14           This development accelerated in the '60s and the  
15 '70s. And the number of people who were having implants  
16 really increased in the '60s and into the '70s.

17           So by the late '70s, Zimmer had two systems. One  
18 was the IB system. And the I is for Insall, whose name was  
19 mentioned in the earlier presentation, one of the pioneers of  
20 this.

21           And this is what later became or very similar to an  
22 LPS system.

23           Then, the other one we had around the same time was  
24 the Miller-Galante, which is cruciate retaining. There is  
25 some more detail on the slide that I don't think we need to

1     linger over.

2             The point is, we had these two systems. They came  
3 from these sets of doctors who had different philosophies and  
4 were creating a product. And you can see the product looks  
5 somewhat similar to what we have now.

6             THE COURT: Right.

7             MR. YEAGER: The next level of development, then,  
8 was the combination of these and refinement of these into the  
9 NexGen system in 1994. So it combined those two lines so you  
10 would have in the same group, with the same kinds of  
11 instruments, an option for either retaining or sacrificing  
12 the posterior cruciate ligament.

13             So the doctors could go into the operating suite  
14 and have both of these options there. And when they get into  
15 the knee, it would be easier for them to switch from one to  
16 the other. That's kind of the high-level view of it.

17             But probably more important than that is just the  
18 advances in geometry. Again, having 15 years with these  
19 systems or more, having a large number of surgeries -- at  
20 this point there had been tens of thousands of surgeries, and  
21 they were really beginning to get some data about what worked  
22 and didn't work.

23             So they made numerous little revisions to get to  
24 NexGen.

25             And NexGen was very clinically successful. It

1 worked well. Doctors liked it. And doctors did implant a  
2 lot of them, as I think was acknowledged this morning. It's  
3 been a very successful system.

4 I put the same animation there so we can see the  
5 NexGen system having rotated around one more time.

6 So what happened next?

7 After the NexGen system was introduced and as it  
8 was being implanted in more and more folks, doctors began to  
9 observe that the geometric changes had really allowed people  
10 to flex more than had been anticipated and to flex more in  
11 general than they had with the older systems just because it  
12 was a better system. The structure was better and the  
13 geometry was better.

14 And physicians in -- it did start in Asia --  
15 started talking to Zimmer. And I am sure these same things  
16 happened at other companies, which also introduced Flex  
17 models of their knees. These physicians started talking to  
18 people at Zimmer and saying, you know, my patients who are on  
19 their knees a lot for cultural reasons, squatting,  
20 cross-legged, they are getting a lot more flex. They are not  
21 at 90 degrees or 110 or 120. We are seeing them up to 140,  
22 150 regularly. And that's great.

23 But these doctors would ask and Zimmer started to  
24 discuss with them, what can we do to make sure that -- now  
25 that we have this increased flexion, what can we do to make

1 sure that it is not going to have some adverse effect?  
2 because these folks who have that flexion a lot, unlike  
3 people in other cultures might, although very active people  
4 perhaps would, they would be up on these high flexions more  
5 often.

6 So Zimmer started looking at, what do we need to do  
7 to make sure -- since we are getting this really very  
8 excellent flexion, what do we need to do to make sure that  
9 that's going to be safe and that our components are going to  
10 last and they are going to accommodate this flexion  
11 correctly?

12 As I mentioned, other companies were having the  
13 same kinds of experiences.

14 THE COURT: Right.

15 MR. YEAGER: This is an important point. And  
16 whether it will be an issue at trial, I don't know, but the  
17 Flex was not designed to create this higher flexion. And  
18 there has been some back-and-forth about that in the papers  
19 of the parties.

20 As I described, it was designed -- the Flex changes  
21 were made to accommodate the flexion that was already  
22 occurring.

23 As to whether it does or does not actually create  
24 more flexion, there are some signs on both sides of that. I  
25 am not sure that's a fight we need to get into, but I will

1 return to that in a bit.

2 That's not the intent of the device. The intent is  
3 so that when you get into higher flexion and if you are a  
4 person for cultural or athletic or whatever reasons get into  
5 higher flexion more often, your knee is going to work, and  
6 it's going to work in the long-term.

7 Okay. So I am going to talk now about the changes  
8 that were made, because this case, according to the papers  
9 and the argument and the JPML is about the engineering  
10 changes that led to the Flex design and whether those have  
11 created a defect. That's how we ended up in this court.

12 So I want to talk about what those engineering  
13 changes are precisely.

14 This is a non-Flex device, an X-ray of a non-Flex  
15 device at 155 degrees. You can see that the -- it's not  
16 entirely up on the point of that femoral condyle there, but  
17 it's getting there. So rather than being flat, as you get up  
18 there on a non-Flex device, you are getting all that weight  
19 concentrated on one spot. And Mr. Ronca talked about that  
20 and, I think, made a good point. It's better to spread the  
21 weight out. It's better to spread out the footprint.

22 And here is a person kneeling, also at 155 degrees,  
23 but this one is an LPS-Flex. And you can see here, rather  
24 than it being up on the point, even though we are at  
25 155 degrees --

1 THE COURT: There is more surface.

2 MR. YEAGER: Exactly. Bigger footprint, less wear  
3 on that poly.

4 This is a CR-Flex. And the picture is not as good.  
5 It makes the same point. It's not up on the point.

6 Now, here is a diagram that shows the changes to  
7 get this contact area. And it's as you would expect. Here  
8 is the Flex. The curve is different. And you have greater  
9 contact area here. You are up on this point.

10 THE COURT: That's the non-Flex.

11 MR. YEAGER: That is the non-Flex LPS design versus  
12 LPS-Flex design.

13 Judge, I don't mean to hurry through this. If you  
14 want me to slow down, I will.

15 THE COURT: You are doing fine. This is good.

16 MR. YEAGER: This is, I think, one of the most  
17 important slides that we are going to have today. And I want  
18 to talk about it for a minute because it shows the impact of  
19 the Flex changes on the footprint.

20 This is a chart of Flex -- CR versus CR-Flex. The  
21 CR is the diamonds in the blue. So that's the preexisting  
22 design. And then the CR-Flex is the black with the boxes.

23 And what this shows you is footprints versus flex.  
24 How big is the footprint of each product at various levels of  
25 flexion?

1           So you can see that this is low flexion, where you  
2 live most of the time. This is where you walk. You get out  
3 of a chair, you might be over here. But this is where people  
4 live most of the time.

5           And then over here are the levels of higher  
6 flexion. And here is the real high flexion where you get  
7 those very high forces that we have been discussing.

8           So how did the changes in the shape of the  
9 components on CR-Flex affect the footprint? You can see they  
10 affected the footprint very favorably at two important  
11 places.

12           Here, the footprint -- this contact area is the  
13 measure of footprint, how big. And bigger is better.

14           Look at this. At 10 degrees, which is essentially  
15 where you are a lot of the time when you are walking, the  
16 CR-Flex --

17           THE COURT: Had much more surface.

18           MR. YEAGER: More surface area. Spreads that load  
19 around.

20           They gave up a little bit, a tiny bit here, maybe  
21 5 percent or so along through this line.

22           And then the key, the design -- or the point of the  
23 design that we were trying to achieve is right here at the  
24 end, when you get up on that point that we saw, when you are  
25 at high flexion. And there, the old design was way down,

1 down here. But the CR-Flex, because of the shape of those  
2 condyles and the extension, stays with a fairly large contact  
3 area, a large footprint.

4 So both at the low, where you live all the time,  
5 and at the high, where you have these high forces of flexion,  
6 you are better off because the CR-Flex provides a benefit, a  
7 spreading out that is going to manifest over the long run.

8 Now, these things don't wear out typically right  
9 away. The question is, are they going to wear out in 7 years  
10 or 10 years or 15 years or 20 years? That's what this has an  
11 impact on.

12 Okay. Second engineering change -- and there are  
13 many. I am going to cover three, but there are several. As  
14 we get into the experts, I am sure we will talk about others.

15 The second is impingement. And that is this tendon  
16 that runs around through the patella, to your quadriceps,  
17 that wraps around the front of your knee, when you go to high  
18 flex, that tendon is wrapped around the front. And if you  
19 have a square piece sticking out, it's going to rub against  
20 that piece. It's no more complicated than that.

21 So right there, there is possible impingement on a  
22 typical device. This is an LPS non-Flex.

23 So what they did is, they cut out a little. They  
24 changed the shape of that plastic component.

25 THE COURT: So it created a little slope there.



1           MR. YEAGER: Yes. The Court has the plastic right  
2 there, and you will see that there is a chunk cut out of  
3 it -- in Indiana we would call it a chunk cut out of it -- to  
4 accommodate that. And here is a picture that demonstrates  
5 the same thing. That's the second change. Again, that's a  
6 long-term thing, to make it long-term more favorable.

7           The third thing I want to talk about by way of  
8 these engineering changes is this shape of the tibial  
9 articular surface to keep the knee from moving back, from  
10 hopping back over the edge. If you get into very high  
11 flexion, you want to make sure you don't have the knee  
12 popping back off the tibia.

13           So what was done here on the LPS, you can see, both  
14 with the femoral component and the shape of the tibia, you  
15 are right there at 150 -- I think this is -- yeah, this is  
16 155. Not much keeping you from popping off back here.

17           And what they did was, they just changed the --  
18 they changed the shape. And also you have a change of shape  
19 in the femoral component and the tibial component. And so  
20 you have less risk of it popping off in high flexion.

21           THE COURT: Okay.

22           MR. YEAGER: None of these are designed to create  
23 high flexion. They are designed to accommodate it.

24           Obviously we can't read this. This is the profiler  
25 of all the components in the NexGen system. On the left it

1 has -- these are the tibial components. I'm sorry. These  
2 are the femoral components, the patellas. These are the  
3 tibial components.

4 And I put this up here to demonstrate, out of the  
5 whole NexGen system, what's at issue in this case.

6 So this is the -- that is the Gender Solutions Flex  
7 femoral component. And this is the tibial component, the  
8 5950, which was part of the -- some of the cases that the  
9 JPML sent here were 5950 cases, these tibial cases. That's  
10 one tibial component. It works with all these different  
11 femoral components and also works with non-Flex components.

12 That is the CR-Flex femoral component. That's the  
13 Gender LPS-Flex and the standard LPS-Flex. And then you have  
14 cemented and uncemented versions of those.

15 As you look at this, you can see out of all the  
16 NexGen components, these are the only ones that are in the  
17 JPML order that was sent here. And the JPML, as the Court  
18 probably knows, has recently rejected attempts to enlarge  
19 this MDL by adding additional components, a Natural-Knee in  
20 that case.

21 Just a quick animation that shows the flex. And  
22 there you get to high flex. You have got a lift left so you  
23 don't have subluxation. And you get a nice footprint.

24 So in the science of orthopedic devices, how do you  
25 figure out whether your device is working?

1           You can put it in a few people and you can see that  
2 it works on those people. But more broadly, how do you  
3 figure out what it's doing, whether it's really working?  
4 What are the sources of your data?

5           Well, there is registry data. And you heard some  
6 mention about it before. A number of countries have  
7 registries, national registries. The U.S. is just getting  
8 started with our registry. We don't have one up and running  
9 yet.

10           Just a note on the units. You will see three- and  
11 five- and seven-year revision rates, which is simply  
12 cumulative rates. After three years, how many of these knees  
13 have been revised? After five years, how many have been  
14 revised? After seven?

15           And then there is another measure called "revisions  
16 per 100 knee years," which is a different measure we are not  
17 going to use today, but the Court may see that later on.

18           Another thing you look at for performance data to  
19 understand how your knee is doing is the experience of  
20 physicians who studied these things more deeply than just in  
21 broad statistics. And there are peer-reviewed papers.

22           One of the things you want to look for in  
23 scientific data is, is it peer-reviewed? Is there random  
24 patient selection? In other words, do you randomize it or do  
25 you just take who happens to walk through the door? Is there

1 a control group? Do you compare whatever you are studying  
2 against a control group where you try to control for all the  
3 other variables?

4 Not every study gets all of these, but the more of  
5 this you have, the better off you are in terms of reliability  
6 of the study.

7 There was a mention of the MAUDE FDA database.  
8 Now, that's a database that Mr. Ronca mentioned. It's not a  
9 registry because it's not all-inclusive. It doesn't, for  
10 example, track all the implantation. So you can't make the  
11 comparison that you would make in registry data -- revisions  
12 versus total implantations.

13 I think it's purely speculative to say what the  
14 reporting rate is. I don't think anyone really knows for  
15 certain what that is and whether it's 10 or 100 times what's  
16 reported. I don't know if there is any evidence of that  
17 whatsoever.

18 I would note -- and I don't have the slide because  
19 it's Mr. Ronca's slide -- that the reports that he had on his  
20 slide -- you may remember there was a bar chart running up to  
21 2010 with more reports of failures on Flex devices as you  
22 went on.

23 But even in 2010, that slide, which he didn't know  
24 if it was Flex or a NexGen -- all NexGen, there were only  
25 100 reports in 2010.

1           Now, what was happening in 2010 was, obviously,  
2 there were more and more devices out there because sales have  
3 increased and implantations have increased. And also, there  
4 was pretty heavy plaintiffs' advertising on NexGen knees,  
5 starting in 2010, late 2009 and 2010.

6           Does that have an effect on the number of reports?  
7 I don't know.

8           But even with the 100 reports that were reflected  
9 in that bar chart, Dr. Berger's own report, an isolated  
10 report, could account for like 30 of those.

11           So we are dealing with very small failure rates  
12 here. So a little fluctuation -- there is a little noise in  
13 the data from external factors.

14           Back to the Australian registry. The 2011 report  
15 recently out -- it's on the Internet -- analyzes about  
16 270,000 replacements reported to the registry up through the  
17 end of the prior year. This is just a quote from the  
18 registry report. It talks about how they collect the data.

19           The hospitals provide the data on forms. They are  
20 completed in theatre -- in the operating rooms -- at the time  
21 of the surgery, submitted to the registries every month.

22           And one of the aims, the stated aims of the  
23 registry, is to evaluate the effectiveness of these  
24 prostheses currently on the market by analyzing their  
25 survival rates.

1           Okay. Beginning the registry data, just for an  
2 overview, here is what the data shows across all knee types  
3 for revision rates.

4           Five year, 3.7 percent; seven year, 4.4 percent;  
5 nine year, 5.1 percent.

6           So when you think about that in terms of survival  
7 rates, that means for all knee types, knee revisions, after  
8 five years, 96.3 percent are still going. 3 percent have  
9 been revised, 3.7. At seven years, 95.6 percent are still  
10 good. And nine years after implantation, about 95 percent  
11 are still good.

12           So we are looking at these variations and revision  
13 rates that are at the small end of the spectrum. Even at  
14 nine years, you are still at 95 percent.

15           Okay. I mentioned the chart before that talked  
16 about the footprint was the first one I thought was very  
17 important here. This is the second one that I think is  
18 terrifically important. And that is the five-year revision  
19 rates. I am going to only show two of these. There is lots  
20 of data in the survey. There are lots of things to look at.  
21 When we get down to experts, I am sure there will be a more  
22 thorough summary of these.

23           You look at how the NexGen has done compared to  
24 other implants. So here are the averages on the right for  
25 all. These are cemented knees. 3.6, five-year revision

1 rate.

2 We have picked out -- in this data there are really  
3 about, I think, either 27 or 29 knees evaluated that are in  
4 the registry, that have enough implantations in Australia.  
5 So we picked out the high and the low and the most popular.  
6 So you see the different brands and combined for this average  
7 of 3.6.

8 The LPS-Flex is right at 3.7. It's very close to  
9 the average of every other device in the entire registry.  
10 It's a 3.7 percent revision rate after five years.

11 The CR-Flex is 2.1, which is well below the 3.6 for  
12 everyone else. And there are a number of devices that are  
13 above that.

14 On cementless, they didn't have five-year results  
15 for the cementless LPS-Flex. In cementless, the average for  
16 everyone was 4, 4 percent revision after five years. And the  
17 CR-Flex, 2.3, a little bit more than half the rest.

18 And, of course, Zimmer believes that this kind of  
19 data shows that the product is not defective. This is data  
20 across an entire continent. It's across all kinds of  
21 doctors, not just one or two doctors. And it's fairly  
22 thoroughly monitored.

23 So that's the database, the registry data that  
24 shows the general performance of the Flex products.

25 There is one I just forgot to mention.

1           The NexGen CR, back on the cemented knees, is the  
2 lowest of all those. It was about 1.7.

3           So the two Zimmer NexGen products had the lowest  
4 two spots out of 29 -- out of those 29 on that part of the  
5 study.

6           Okay. So that's registry data.

7           Peer-reviewed papers. I talked a bit ago about  
8 what were the important things about peer-reviewed papers and  
9 control groups and randomizing and prospective selection of  
10 participants.

11           I am going to talk -- and hopefully not in too  
12 great a length -- about what a broader look at the scientific  
13 literature shows.

14           The scientific literature overwhelmingly shows that  
15 these devices are terrifically successful.

16           As always, in every field of science there are some  
17 outliers. And then one has to figure out, why are there  
18 outliers? Why do these folks have a different opinion or a  
19 different result than everybody else? And that's something  
20 that the experts will have to sort through.

21           For now, let's talk about -- and I will start with  
22 the outliers. The two that Mr. Ronca mentioned this morning  
23 are the outliers. Dr. Berger did have a critique of one of  
24 our products, the CR-Flex porous femoral. His critique was  
25 not a peer-reviewed paper. It was a report -- as was said



1 before, he stood up in front of a society and made his report  
2 about, this is what happened, this is what I experienced.

3 Two surgeons in the same practice, there was  
4 Dr. Berger and Dr. Della Valle, not peer-reviewed, not  
5 randomized. They just looked at what their patient  
6 experience was. There was no control group where they would  
7 compare the CR-Flex, the porous femoral component, against  
8 something else.

9 His result is much different from the registry data  
10 that we have talked about, confined to the one component --  
11 in fact, he still uses other Flex components. He just  
12 doesn't use the CR-Flex porous femoral component.

13 As far as I know, that article has never been  
14 written. Never been submitted. As stated, it's never been  
15 submitted for peer review. And not all the data that  
16 underlies what Dr. Berger wrote has come to light. And we  
17 will look forward to finding out what happens, what our  
18 experts tell us about why he had these results that were  
19 anomalous compared to the broader data of 270,000 implants.

20 Dr. Han was another one that was mentioned.  
21 Dr. Han was, I believe, in Singapore, one individual surgeon.  
22 It was not random. He had no control group. Like  
23 Dr. Berger, his experience contradicted registry data.

24 His was confined to LPS-Flex cemented femoral  
25 component. The Court may recall, in the cementing process,

1 there are ways to get that right and there are ways to get it  
2 wrong.

3 So it is also surgeon technique sensitive.

4 Dr. Han concluded that he thinks the device needs  
5 more study because he acknowledged it was one surgeon. There  
6 were other limitations to his report.

7 So against these outliers -- and I understand there  
8 was another paper cited this morning that was not in the  
9 papers last week, and obviously that will be addressed.

10 I didn't take every positive mention in every  
11 scientific paper. We don't have the time for that. The  
12 Court doesn't have the time for that. But I have a few  
13 slides to just give the Court bullet points from the broader  
14 survey of the scientific data on the performance of Flex  
15 devices.

16 If I am going too quickly or too slowly, the Court,  
17 I am sure, will tell me.

18 Dr. Huang, 2005. 25 LPS-Flex. No loosening in two  
19 years.

20 Dr. Kim, 2005. 50 patients, LPS and LPS-Flex. One  
21 in one knee, one in the other knee. No cases of loosening or  
22 revision at two years.

23 Dr. Chiu, 2006. Prospective randomized study. No  
24 complications of loosening in 420 LPS-Flex knees at  
25 40 months. That's a little more than three years, of course.

1           Drs. Weeden and Schmidt. Prospective and  
2 randomized study. LPS-Flex in 25 knees. LPS in 25 knees.  
3 No revisions and no radiographic differences -- radiographic  
4 evidence of loosening between the groups at one year.

5           Bin and Nam, 2007. Prospective study comparing LPS  
6 and LPS-Flex. No indications of loosening in 90 high-flex  
7 patients at one year.

8           Minoda. 89 standard and 87 CR-Flex. No revisions  
9 for loosening. No differences in radiographic parameters.

10          Seon. 50 CR, 50 CR-Flex. No evidence of  
11 loosening.

12          Kim. 54 patients. No revision. No loosening.

13          Tanavalee. 77 months. No revisions for loosening.  
14 178 knees.

15          Matsuda, 2010. Comparing two groups of LPS-Flex,  
16 fixed and a mobile, another kind of knee. No knees revised  
17 for loosening at five years follow-up.

18          And another Kim study. 250 patients, no loosening  
19 and no revision at two years.

20          A couple of the next studies go a little bit beyond  
21 talking about the loosening or, frankly, the absence of  
22 loosening and revision to talk about a subject that may or  
23 may not become an issue here.

24          Dr. Seng, in a study from 2011, last year, found no  
25 loosening in 36 LPS-Flex knees after five years.

1           He also said -- this study was interesting because  
2 it was designed to study not only the flexion, not only the  
3 revision rate, but it was -- and I am not sure that that was  
4 even the thrust of it, that was the experience of it. But  
5 this study was designed to test, how do people feel about  
6 their knees? How were their knees working? How much flex  
7 did they get?

8           And Dr. Seng also analyzed -- there are these  
9 scores that people -- these ratings that doctors try to give  
10 patients -- or get patients to give them for their knees.  
11 They are called Knee Society scores, and there are different  
12 aspects. How is your knee working in your everyday life?

13           And Dr. Seng found two very interesting things.  
14 One is, he had the result saying that high-flexion knee has  
15 additional benefits for the quality of life in patients for  
16 patients who require higher degrees of knee flexion in their  
17 activities of daily living.

18           And then, the other thing he found was --  
19 clinically, was that the Flex knee group did have 10 degrees  
20 more flexion. When you look at the chart in his paper --  
21 because it was randomized. Everybody had the same average to  
22 begin with. And then the Flex group had a higher curve after  
23 surgery, and the non-Flex group had a lower curve, difference  
24 of about 10 degrees.

25           There are other studies that show there is no

1 difference.

2 As we have said before, we don't think this is  
3 really going to be an issue in this case. We didn't design  
4 these things to cause higher flexion. If they allow higher  
5 flexion, if these patients are experiencing higher flexion  
6 for some reason -- maybe it's because they are more  
7 comfortable with the knee, maybe it's because they are not  
8 getting rubbing or point contact. I have no idea. I am not  
9 sure that's been studied yet.

10 But I just wanted to point out that there is some  
11 data on both sides of that.

12 Dr. Lee had a similar study with comparing LPS and  
13 LPS-Flex knees. And what -- his finding was that people who  
14 had real problems with flexion before did a little bit better  
15 afterwards with a Flex knee compared to a non-Flex knee.

16 Dr. Scuderi. 141 patients. LPS-Flex. Two to four  
17 years. Dr. Scuderi's credibility was questioned in the prior  
18 presentation. I don't think that we are in a position to  
19 argue about people's credibility today. I think that that's  
20 something the experts will have to talk about.

21 THE COURT: No. In fact, I recognize there is  
22 going to be a lot of evidence about these very issues,  
23 statistical evidence about what did and did not work with the  
24 Flex knees.

25 And my focus today, which I think you have both

1 really accomplished, was to get a much better understanding  
2 of the technology. And I just think that's really useful.

3 There is a lot of advocacy that can happen here.  
4 We don't need to spend a lot of time on that, because I  
5 recognize that's going to be a matter of debate.

6 MR. YEAGER: Thank you.

7 So moving on from the papers.

8 THE COURT: Right.

9 MR. YEAGER: I didn't know where to put this slide  
10 because I don't know where the 5950 fits in, in our case, the  
11 MIS tibia.

12 THE COURT: I know it's your position it really  
13 doesn't belong in this case. But right now, it's here.

14 MR. YEAGER: Right now, it's here.

15 THE COURT: So you are welcome to go ahead.

16 MR. YEAGER: Just to give the Court a little  
17 technical information about where that comes from, there  
18 were -- that is the tibia that you have a sample of. There  
19 were some reports of loosening. Zimmer did what it does,  
20 which is goes out and investigated those.

21 As a result, Zimmer changed the package insert and  
22 gave instructions to the surgeons and sent letters to the  
23 surgeons telling them two things.

24 Get the cement on there right. Get the cement all  
25 around it on the device and on the bone and make sure it's

1 all done because in some of the devices that had come out in  
2 these revisions, it looked like the cement had not been  
3 spread as perhaps it should.

4 And the second one was -- there is an optional  
5 drop-down stem that has a keel. The instructions said, to be  
6 safe, you ought to use the drop-down stem. That fixed the  
7 problem.

8 And second, the data for when there was an issue  
9 reveals no correlation to Flex. It happened with -- in fact,  
10 we don't even know what the femoral components were, whether  
11 they were Flex or non-Flex.

12 Knee development, testing, and regulatory  
13 processes, Judge, this is kind of just the tail end to give  
14 the Court an idea. As I talked about before, the knee  
15 designs come from prior designs.

16 How do we develop a knee?

17 Well, we start with what we have. We look at the  
18 data, the experience, the science from what we have. We have  
19 a design team. The design team has surgeons on it. And yes,  
20 sometimes you have to pay surgeons to be on a design team.

21 We all -- on these teams, we have external Ph.D.s  
22 and other technical experts, might be engineering, nonmedical  
23 experts. Internal to Zimmer, engineering, metallurgy  
24 testing, other disciplines. Obviously, we have a lot of  
25 expertise in the company.

1           They looked at the clinical performance of the  
2 devices. And as the devices are cleared for initial kind of  
3 limited release, they obviously watch those very closely  
4 after launch.

5           Testing. There have been some comments about  
6 testing in this case. We have laboratory testing. There is  
7 a facility at Zimmer where they take -- they have these large  
8 tanks where they have this fluid to simulate knee fluid. And  
9 they have rows of devices that -- they plant the prototype  
10 devices, and they simulate the function of the knee. And  
11 they just sit there and run all the time, many, many, many,  
12 many cycles. And they have the appropriate pressure on the  
13 knee and so on, so they can see how the knee functions.

14           They have millions of cycles overall. On the deep  
15 flexion alone on the Flex components, the deep flexion part  
16 of the flex cycle, we are told 225,000 cycles to make sure it  
17 works as it's supposed to work.

18           And I won't burden the Court with a detailed  
19 discussion of all of these kinds of testings, but there is a  
20 list that was in our written position paper:

21           Anterior liftoff testing to test the plastic  
22 surfaces in high flexion.

23           The contact area testing to make sure that you are  
24 getting the footprint. In fact, that was reflected in that  
25 chart.



1 Loading at the posterior edge of the tibial  
2 articular insert to make sure it would bear those loads for  
3 the life of the device.

4 Strength of the femoral component. Will it bear  
5 the loads?

6 And then the compression when you flex your knee  
7 between your kneecap and the femoral component. Make sure  
8 the device will bear those loads.

9 The articular surface spine, that's on the LPS  
10 device. There is a surface spine that bears some loads.  
11 Those are tested.

12 And then liftoff testing, meaning the plastic  
13 surface from the metal surface.

14 As I mentioned, there is an initial release phase.  
15 At that point, it's a permitted device. It's approved for  
16 sale. And then there is additional early patient scrutiny  
17 just to make sure all this testing and all the design hasn't  
18 missed something and it's something that doesn't turn up  
19 early on in implantation.

20 Just a quick note about regulatory process. The  
21 FDA dictates the process. We didn't choose to do the 510(k)  
22 process. The FDA tells us which process we have to use, and  
23 we have used that process, as every other orthopedic device  
24 manufacturer does.

25 We will give the Court a copy of this presentation,

1 but there is a Web site that the FDA has that explains this  
2 process. And what it basically says is that we make a  
3 submission to demonstrate to the market the device to be  
4 marketed is at least as safe and effective -- that is,  
5 substantially equivalent, not identical, not identical, not  
6 the same, substantially equivalent.

7 So the 510(k)s say, predicate device substantially  
8 equivalent. Here are the changes.

9 And then we get permission from the FDA.

10 So this is the end of the data. And we thought  
11 there were maybe three or four questions that these  
12 presentations leave open that we look forward to having  
13 answers for from the plaintiffs and from the experts.

14 What's the evidence of defective and unreasonably  
15 dangerous design? The claim is, there is a defect. What's  
16 the evidence of that defect in these devices?

17 As to the individual plaintiffs here, did their  
18 device fail? Some of these folks haven't been revised yet so  
19 we don't know if they really have a problem. Did their  
20 device really fail?

21 If they have been revised, why were they revised?  
22 Did the device fail in some way, or was it one of those many  
23 other reasons for revision?

24 Did the revision rates that are reflected in the  
25 data support the conclusion that there is a defect? They

1 seem to rebut the conclusion we think that there is a defect.

2 And finally, did the 5950 failures have anything to  
3 do with Flex? And why, in fact, were those folks revised?

4 There were various reasons.

5 Unless there are any questions, your Honor, that's  
6 what we have for today.

7 THE COURT: That's great. Both of you, it's very,  
8 very helpful. It's exactly what I was hoping that we would  
9 do is kind of present the issues in a general way and  
10 specifically focus on this -- the way these things work.  
11 It's so much easier for me to visualize now than it was  
12 before this morning's presentation. So it's very useful.

13 I know we have a few other items on the agenda, and  
14 I am happy to turn to those now. In fact, where is my  
15 agenda?

16 MR. YEAGER: May I hand up a copy?

17 THE COURT: Sure.

18 (Document tendered.)

19 MR. BECKER: Your Honor, If you want to head  
20 through the rest of the agenda, I am hopeful it will take no  
21 longer than 10 or 15 minutes.

22 THE COURT: That's exactly what I was thinking.

23 MR. BECKER: Tim Becker on behalf of the plaintiff  
24 steering committee and lead counsel.

25 The parties submitted four additional agenda items,

1 three of which -- or two of which I think will be relatively  
2 noncontroversial; three of which I will handle, and one of  
3 which Mr. Millrood will handle.

4 THE COURT: All right

5 MR. BECKER: The first item on the agenda relates  
6 to third-party subpoena practice. I can report the plaintiff  
7 served, as the Court is aware, somewhere in the neighborhood  
8 of 12 to 14 subpoenas.

9 At the last hearing defense counsel expressed some  
10 concern that there was no prior notice given to the  
11 defendants. We have since remedied that. Defendants have  
12 received prior notice now of all subpoenas that have been  
13 submitted. And we are implementing a prior notice practice  
14 that before we even serve a subpoena, they will have prior  
15 notice of that subpoena in the event that they want to object  
16 and have any rights to move to quash.

17 With respect to the actual subpoenas that were at  
18 issue, as I understand it, there were two concerns that were  
19 raised by Zimmer. Both of those concerns have been resolved.  
20 Mr. Yeager and I had a conversation before the hearing today  
21 where he asked that we indicate on the record we will  
22 require, before the third parties produce confidential  
23 documents, that they agree to the court order, the order for  
24 protection that has been entered by the Court, sign off on  
25 that, and then produce the documents pursuant to that order.

1 And we have agreed to that.

2 THE COURT: That's great.

3 MR. BECKER: The only issue that remains is a  
4 cost-shifting issue -- or a cost-sharing issue, I should say.  
5 I am hopeful that we will be able to resolve that absent  
6 motion practice. But if we are not, we will simply bring it  
7 via motion practice and allow the Court to decide.

8 THE COURT: Okay. That's great.

9 MR. YEAGER: If I can be heard just briefly on  
10 that?

11 I think that's basically right. There are a couple  
12 of issues that we are going to continue to work on.

13 Just for clarification, the documents that come in  
14 from the subpoenaed targets not only are going to be subject  
15 to the protective order, they are going to be treated as  
16 confidential under the protective order until we agree or  
17 there is an order of Court.

18 Is that our agreement?

19 MR. BECKER: Yes. I mean, we have agreed until  
20 Zimmer has reviewed the documents that they will, for  
21 purposes of litigation, be treated as confidential. We may  
22 have a disagreement about whether or not the document is, in  
23 fact, confidential. But in the event we have that  
24 disagreement and are unable to resolve it via negotiation, we  
25 will come to you and ask for a resolution.

1 THE COURT: So they are presumptively confidential  
2 and subject to court order.

3 MR. BECKER: Correct.

4 THE COURT: That's fine.

5 MR. YEAGER: The other issue -- and I am not sure  
6 this is all the way worked out, but we probably don't need  
7 the Court's help just yet.

8 We think the subpoenas are this broad (indicating).  
9 They cover a lot of stuff that's not at issue in the case.  
10 We have had some discussion of that. Here is what's at issue  
11 in the case (indicating).

12 We are hoping to be part of the meet-and-confer.  
13 Obviously, we don't have to be a part of every conversation  
14 that may be had with the targets, but we are hoping to be  
15 part of the meet-and-confer.

16 The targets have all objected that the subpoenas  
17 were overbroad as well. So there is going to be a  
18 meet-and-confer process. It's either going to be resolved or  
19 it's going to come to the Court.

20 Zimmer's legitimate interest in that is simply that  
21 we don't get -- the protective order notwithstanding, we  
22 don't get this greatly overbroad production from these folks  
23 that we had professional relationships with.

24 Mr. Becker and I, I think, are pretty far down the  
25 road of getting that resolved. If not, we will come back

1 either personally or by motion.

2 THE COURT: All right. Great.

3 MR. BECKER: Let me just, if I could, your Honor,  
4 comment on that briefly?

5 As I understand the issue with respect to the scope  
6 of it, it relates to what products were requested in  
7 subpoena. The subpoenas specifically limit the products that  
8 are at issue or the requests, the scope of the subpoena to  
9 the products at issue in this MDL.

10 I think that we have, as Mr. Yeager indicated, gone  
11 a far way to clarifying that.

12 We have also agreed to provide notice to -- via  
13 letter to all of the targets to make sure that they are under  
14 the same assumptions as well.

15 Beyond that, he is correct that we have some issues  
16 with respect to whether or not they are going to be part and  
17 parcel of the meet-and-confer process with the third parties.

18 Anything else, Jay, on that?

19 MR. YEAGER: We are good on that for now.

20 MR. BECKER: All right. The next issue on the  
21 agenda, your Honor, related to document production.  
22 Unfortunately, here I think we have a considerably more  
23 substantive concern.

24 If the Court will indulge me, I would like to spend  
25 about five or six minutes just kind of relaying the status of

1 where we are and where we intend to go.

2 THE COURT: I do want to hear that, but I guess  
3 what I would like to do first, if we could, is talk about the  
4 issues where there are less disputes and then return.

5 MR. BECKER: Fair enough.

6 THE COURT: And I assume there is no large dispute  
7 on the joint proposed stipulation regarding the master  
8 complaint.

9 MR. MILLROOD: Your Honor, just briefly.

10 There is a couple of small issues relating to it.

11 THE COURT: All right.

12 MR. MILLROOD: Tobi Millrood for the plaintiff.

13 The parties have reached agreement as to the basic  
14 deadlines. Today, by the end of today, the plaintiffs will  
15 file a master long form complaint and a proposed form of  
16 short form complaint.

17 As to the master long form complaint, defendants  
18 are due to file an answer or response by February 27th under  
19 our stipulation.

20 As to the short form complaint, by a week from  
21 today we will either stipulate to have the Court approve the  
22 form only of the short form complaint or they will file an  
23 objection and we will take up practice.

24 The issue here that is germane to both of these is  
25 what we discussed last time as it relates to direct filing.



1           These two vehicles, the master complaint and the  
2 short form complaint, are relatively useless without direct  
3 filing.

4           And the reason for that is because there are going  
5 to be plaintiffs' counsel throughout the country that will  
6 have no real awareness. They are not members of the PSC.  
7 What they would have to do, practically speaking, is, they  
8 would have to file a complaint. Your Honor asked the  
9 question last conference if a short form complaint can be  
10 filed at the original district court. It cannot. I don't  
11 think it would satisfy the pleading standard. And ultimately  
12 the complaint comes back with the case.

13           A plaintiff has to file something in the  
14 originating court. And so they are going to be filing,  
15 essentially, three documents. They are going to file some  
16 form of complaint in an originating district court under the  
17 defendant's proposal. Then they would be transferred here.  
18 At which point they could adopt the master complaint and then  
19 file another short form complaint.

20           The way the short form complaint works in most of  
21 these product liability MDLs is, it's filed originally where  
22 direct filing has been adopted. Importantly, in direct  
23 filing the defendants are not deprived of any right. They  
24 still can come to the Court and say, this case doesn't belong  
25 here.

1           Now that the short form complaint has been written,  
2 it doesn't fall into the five categories that Mr. Yeager laid  
3 out before. And this Court is not divested of any kind of  
4 power to send it out if it doesn't belong here.

5           What it does is, it streamlines the process.

6           The Court has asked and the defendants have asked  
7 us to address as many comprehensive issues as possible in  
8 this master complaint. It's going to be voluminous because  
9 it has to cover every imaginable possibility as to all of  
10 these devices.

11           The short form really helps to simplify it. And if  
12 we don't have direct filing, there is really no point to the  
13 short form complaint.

14           THE COURT: Here was my thought. I am reluctant to  
15 allow direct filing in all these cases for a few reasons that  
16 I mentioned in a previous order. And now that everything is  
17 electronic, I am having trouble understanding why plaintiffs'  
18 counsel can't simply file in any other jurisdiction the long  
19 form complaint, the short form complaint, and a tagalong  
20 notice.

21           It's all electronic. You are not burdening any  
22 files. And I think it's clear -- it will be clear to the  
23 clerks of court throughout the nation, who are pretty  
24 sophisticated on this, oh, this is a case that's going to  
25 Northern Illinois.

1           MR. MILLROOD: Your Honor, practically speaking,  
2 that could happen. I think it's cumbersome for a few  
3 reasons.

4           First of all, there will be plaintiffs that are  
5 unaware of the master complaint.

6           THE COURT: But the plaintiffs that are aware of  
7 the master complaint won't know to file directly here anyway,  
8 will they?

9           MR. MILLROOD: Well, first of all, when they are  
10 short -- the number one question that we get from counsel  
11 that are outside of our PSC all the time, the first question  
12 is, is there direct filing, and is there a short form  
13 complaint available to us?

14           Now, yes, we could disseminate to all these counsel  
15 what's likely to be a 125-page master complaint with over  
16 500 paragraphs, and they could all file that electronically,  
17 which is going to be over 13 megs, and file it in the ECF  
18 into each of those.

19           THE COURT: I really don't want to be difficult,  
20 but has anybody tried filing a short form complaint in the  
21 other jurisdiction and incorporating by reference the long  
22 form complaint?

23           Clerks throughout the nation have access to my  
24 docket. Why couldn't something like that be done?

25           It would just -- if we know which cases these are

1 coming from --

2 MR. MILLROOD: But, your Honor, if I may?

3 Doesn't that actually presume that the case belongs  
4 here anyway?

5 THE COURT: Sure.

6 MR. MILLROOD: Well, then, why not just direct file  
7 here? If you are filing --

8 THE COURT: I am concerned about this Lexecon  
9 issue.

10 MR. MILLROOD: Okay. The Lexecon issue is  
11 definitely a relevant issue. But again, it doesn't divest  
12 the Court of any power other than to preside over Northern  
13 District of Illinois cases, unless they waive it.

14 And it doesn't deprive them of the right to say,  
15 this doesn't belong here.

16 By the way, your Honor, I'd ask that you take a  
17 look at our proposed short form complaint, because what has  
18 happened at other MDLs is. The plaintiff has to plead in the  
19 short form complaint the jurisdiction from where this would  
20 otherwise have been filed but for direct filing and where it  
21 belongs upon transfer. So it treats the Lexecon issue.

22 That's the trend today by many of these MDL courts  
23 that are adopting direct filing. They recognize this Lexecon  
24 issue, and they put it directly in a short form complaint.

25 But for direct filing, this case would belong in

1 the district of Utah, the Southern District of Texas. And  
2 upon transfer, plaintiff consents the trial of this case  
3 there.

4 It just really, really streamlines the process. I  
5 can't emphasize it enough.

6 THE COURT: I am sorry.

7 (Brief interruption.)

8 MR. MILLROOD: So the Lexecon issue is addressed in  
9 our proposed short form complaint that will be filed later  
10 today. And I think perhaps before you reach a final  
11 decision --

12 THE COURT: Maybe I should look at that.

13 MR. MILLROOD: -- maybe you can take a look at  
14 that.

15 THE COURT: I will reserve on this.

16 MR. MILLROOD: Thank you.

17 MS. PIERSON: Your Honor, if I may, just briefly?

18 On this point of direct filing, there are a couple  
19 of ways that you described that a plaintiff can overcome this  
20 issue that Mr. Millrood mentions. One is for the plaintiff  
21 to file the master complaint in short form in the transferor  
22 court. The other is to file simply the short form.

23 As a practical matter, as long as defendants don't  
24 object to the sufficiency of the pleading, the matters are  
25 likely to be transferred to this court with no problem at

1 all.

2 And it seems very unlikely to us that any  
3 transferor court would be unwilling to transfer to this court  
4 following the filing of a master complaint, particularly one  
5 that incorporates the -- or excuse me -- a short form  
6 complaint, particularly one that incorporates the master  
7 complaint.

8 So there are easy ways to resolve this, as this  
9 Court has recognized.

10 And as a practical matter, what's happening right  
11 now, even without this process of master complaint and short  
12 form, is that the plaintiffs are filing a form complaint  
13 created by a member of the PSC that is largely identical from  
14 case to case. Those matters have been then transferred to  
15 the MDL, and the plaintiffs' lawyers can adopt the master  
16 complaint and the relevant portions of the short form. So  
17 this is not a particularly cumbersome process.

18 Even setting aside, though, the practicalities of  
19 it, there is a legal issue here. The legal issue is that  
20 Section 1407 and Rule 7.1 and 7.2 of the *Manual For Complex*  
21 *Litigation* give defendants the right to object to the  
22 transfer of these matters to the MDL. There is a particular  
23 process before the panel, as you know, where we have the  
24 right to object to the conditional transfer order.

25 And the defendants are unwilling to waive their

1 right to that process and to have the ability to object to  
2 the transfer of these matters.

3 The cases that Mr. Millrood mentions where direct  
4 filing is being used are cases in which the defendants have  
5 consented to that process. We are not consenting to that  
6 here. And we haven't waived our right to object to the  
7 transfer.

8 There are two key decisions that we cited in our  
9 papers on this issue many months ago, before the Court  
10 decided that there would be no direct filing. The *PremPro*  
11 MDL court and then also the *Norplant* court, both articulated  
12 the exact concerns that this Court has raised.

13 First, that you can't bypass the MDL statute on  
14 transfer without the defendant's consent. And second, that  
15 it places an unnecessary burden on this Court at the  
16 conclusion of the proceedings.

17 At the conclusion of these proceedings, we will  
18 file with this Court, if there is direct -- if there were to  
19 be direct filing, we would be filing motions to transfer to  
20 the correct venue. We would be explaining why under 1404 or  
21 1406 these matters ought to be transferred to other venues.  
22 And there will be a fight in many of these cases, I predict,  
23 between the plaintiffs and the defendants as to the  
24 appropriate venue to which these matters ought to be  
25 transferred.

1           You and your staff ought not be burdened with that  
2 in 200 cases. Particularly when there is a statute that  
3 dictates the correct venue, the transferor court ought to be  
4 addressing those issues.

5           THE COURT: I have the submissions on this. I am  
6 going to take a look at the proposed short form complaint and  
7 see whether I have changed my mind. I can certainly do that.

8           All right. I think that leaves us with the issues  
9 of 30(b)(6) and the Zimmer document production.

10           MR. BECKER: Well, fortunately, the 30(b)(6) issue  
11 is really just reporting and not controversial at all. We  
12 served three 30(b)(6) notices, one on corporate  
13 organizational structure and history, one on information  
14 technology systems, and the third on -- loosely called it the  
15 32 bullet-point deposition notice, which related to  
16 Exhibit A.

17           Currently, the corporate organizational deposition  
18 is happening on January 24th in Fort Wayne, Indiana. The IT  
19 deposition is going to likely happen between the dates, I  
20 believe, of February 6th to 9th in Fort Wayne, Indiana. And  
21 the third deposition was withdrawn under the hopes that we  
22 would be able to negotiate a resolution since it was largely  
23 related to document production.

24           THE COURT: Okay.

25           MR. BECKER: Which leads us into the final issue,



1 which is document production.

2 THE COURT: Right.

3 MR. BECKER: And here I think, Judge, at the last  
4 hearing you anticipated that there was a substantial document  
5 discovery dispute brewing under the surface. And  
6 unfortunately, I think that has reared its head at this  
7 point, and we are going to need some help from the Court.

8 Let me just take a few minutes to back up and kind  
9 of walk you through where we have been in the entirety of  
10 this litigation.

11 Long before the MDL was actually formed -- and by  
12 "long before" I mean almost six to nine months before there  
13 were cases that were individually filed throughout the  
14 country -- two of those cases in particular, a case involving  
15 a woman from Nevada named Kim Sizemore and a case involving a  
16 man from Minnesota named Ron Singsan, served written  
17 discovery requests. Those discovery requests were served on  
18 March 1st of 2011 and April 1st of 2011, respectively. They  
19 dealt with three of the five component parts in play in this  
20 litigation.

21 In November, after the case was transferred to the  
22 MDL court, plaintiffs' leadership, along with the plaintiffs'  
23 steering committee, served both interrogatories and requests  
24 for production of documents in approximately November of  
25 2011.

1           Since that time, we have received under  
2 20,000 pages of documents. At the last hearing or status  
3 conference, the Court itself noted that a 10,000-page  
4 production was described as minimal and requested three  
5 things occur.

6           One, that there be a substantial production.

7           Two, that the plaintiffs be encouraged to take  
8 depositions to identify, if any, chicanery was happening.

9           And third, that the current request for production  
10 of documents be held in abeyance.

11           It strikes us, your Honor, that if 10,000 documents  
12 in December was, as you described it, minimal,  
13 9,934 additional pages can by no means reach anybody's  
14 understanding of what a substantial production is.

15           Yesterday I received a letter from defense counsel  
16 where we have made some progress in outlining what the scope  
17 of the 32 bullet points were that they identified.

18           There are a couple of things that are important in  
19 that letter that I want to note for the Court's attention.

20           The first is this: Number one, we have not had  
21 time to digest that letter, but we have serious concerns  
22 regarding the scope of the production itself in terms of what  
23 documents are being produced. I am going to go through that  
24 in just a minute.

25           One example, though, may be with respect to where

1 Mr. Yeager ended his presentation to the Court. We have  
2 never heard of simulation testing. We thought simulation  
3 testing occurred. He described it as millions and millions  
4 of sequential tests that go on, on a product-by-product  
5 basis.

6 The idea that that testing data is not comprised of  
7 tens of thousands of pages in and of itself simply defies  
8 credibility. And yet, we have not received that information.  
9 Or at least if it came, it came yesterday along with their  
10 additional 9,934 pages.

11 The second concern we have is that, candidly, the  
12 defense counsel noted, that we are halfway to completing  
13 production on the 32 bullet points. So what that means in  
14 practice is this: By March, the defendants will have had our  
15 Rule 26 disclosures, all of our authorizations for the  
16 originally filed cases, and the PFSs for those plaintiffs who  
17 were in the original wave of cases.

18 In other words, the defendants will have received  
19 the vast majority of documents for each and every one of the  
20 original 78 plaintiffs that were involved in this litigation,  
21 and we will have received less than 40,000 pages. That  
22 cannot be the way discovery is meant to occur.

23 So then we thought to ourselves, well, potentially  
24 what we have going on here is a misunderstanding. Let's  
25 delve into the documents, because, as you will recall, the

1 reason why Mr. Ronca endorsed the 32 bullets points was  
2 because maybe those would give us a guide as to how we could  
3 narrow or limit our document production.

4 Your Honor, if I may? May I approach to hand up a  
5 couple of documents?

6 THE COURT: Sure.

7 MR. BECKER: These documents are exemplar documents  
8 that we received from the defendants in their production.  
9 There are two sets of documents here that I would like to go  
10 through.

11 (Documents tendered.)

12 MR. BECKER: The first is a series of e-mails -- or  
13 we think they are a series of e-mails that were produced  
14 regarding the MIS tibial component.

15 Now, this document is relevant for a couple of  
16 reasons.

17 Number one, if you look at Page 1 and 2 of this  
18 document -- it's the five-page document that looks like this  
19 (indicating) -- the Court entered a protective order that  
20 expressly, over the objection of the defendants, concluded  
21 that internal redaction would not occur.

22 It is obvious from the top of this document that  
23 internal redaction has occurred because we have no idea who  
24 this document is from; we have no idea who it was sent by or  
25 where it was sent by. But we know it was sent by someone

1 because somebody is responding to another person.

2 THE COURT: Right.

3 MR. BECKER: So in and of itself, the document is  
4 in violation of the protective order.

5 The second thing that's relevant from these  
6 documents is this: Each and every one of these e-mails  
7 references a letter that was sent by Zimmer on December 17th,  
8 2003. Yet nowhere in the production that they have sent, or  
9 at least that we have been able to locate, is there any  
10 discussion of what this letter actually is.

11 And finally, if you turn to the last page of the  
12 document, your Honor, you can see an e-mail from one of their  
13 doctors. Again, we have no idea who these doctors are, if  
14 they are paid consultants, if they are on the Zimmer payroll.  
15 But we know that this is an important document because what  
16 this particular doctor writes in commenting on the MIS tibial  
17 procedure in 2003, 2004 is, "Now about the implant itself. I  
18 like the concept of the shortened keel but not without the  
19 extension stem." He writes that in all caps. "Again, I  
20 don't have a strong feeling, but I will not use the mini keel  
21 without the stem for fear of loosening in the P.S. setting."

22 Now, your Honor, the reason discovery occurs -- and  
23 I am not breaking any ground here -- is so that we can find  
24 out what was actually happening in the company at the time  
25 these products were being rolled out.

1           This e-mail is written four years before -- I am  
2 sorry -- six years before the product was ultimately recalled  
3 for the very reason that the product was recalled. We are  
4 entitled to have an understanding of the facts and  
5 circumstances that are in a lot of these documents.

6           If you turn to Document 2, it's even more  
7 egregious. We received a document -- we have no idea where  
8 this document comes from. It's entitled "Z01029 CR-Flex  
9 Fixed Femorals."

10           I have no idea if this was created by defense  
11 counsel, if it was internally created by Zimmer. But what I  
12 do know is that there is a table of contents on the next  
13 page -- and in fairness to the defendants, all of the  
14 documents that followed 5.4 were actually attached. We just  
15 attached these two pages for exemplar purposes.

16           I have never seen a book, Judge, that starts with  
17 Chapter 5. We do not have Chapters 1 through 4. But even if  
18 this book were to start with Chapter 5, we don't have 5.1 to  
19 5.3 or know what comes after 5.4.

20           We are nine months or a year, in some cases, into  
21 these cases. We are six months almost -- four or six months  
22 since transfer. To date we have no custodial evidence. We  
23 have no idea whether the defense has done an office-by-office  
24 search. And, in fact, we suspect they haven't because the  
25 letter that we received from them indicated they are waiting

1 for us for search terms, which we told them we would not give  
2 them, that we wanted to conduct documents in a traditional  
3 manner.

4 And I think you can tell from our presentation,  
5 your Honor, we are frustrated.

6 THE COURT: And I am frustrated, too. I guess I  
7 want to know what happened when you called them and said,  
8 look, we have got problems. You redacted material you  
9 weren't supposed to redact. You make reference to -- you  
10 provide us pages from a book that's obviously not complete.  
11 You have given us information about testing that should have  
12 happened long ago.

13 What happened when you called up the defendants and  
14 talked that over with them?

15 MR. BECKER: In fairness to the defendants, your  
16 Honor, I haven't raised these issues until today with them.  
17 But I can tell you this: I have had multiple  
18 meet-and-confers with them. I have repeatedly asked them  
19 over and over and over again, what is the scope of the  
20 production? What's the timetable that you are going to set?

21 We had a meet-and-confer less than a week ago where  
22 we finally agreed that they would give us some guidance on  
23 what the 32 bullet points meant. And we got that letter  
24 yesterday.

25 THE COURT: I know you want this resolved. No one

1 wants it more resolved than I do.

2 But I don't ever resolve discovery disputes where  
3 the parties haven't met. And I know you are going to tell me  
4 you have tried and tried and tried and it didn't work. I  
5 understand that's your position.

6 But if the concerns you are raising about these two  
7 exhibits, which are very significant to me, have never been  
8 addressed with defense counsel, it's meaningless for me to  
9 hold forth.

10 I think what we should do is this: I think you  
11 should meet with these people right now. They are here. I  
12 will see you at 5 o'clock this afternoon.

13 I am happy to resolve this. But I want it to be on  
14 an informed basis when you have had a chance to talk to them  
15 and they have said, no, we won't give it to you and here is  
16 why, so I know exactly where we stand.

17 MR. BECKER: Your Honor, if I may?

18 I am happy to meet with them, as I continued to do  
19 throughout this entire process, but we are meeting in a  
20 vacuum.

21 What we really want is this: We want to proceed  
22 with discovery. And the way we think that we can do that is  
23 twofold.

24 Number one, we would ask that you lift the abeyance  
25 or stay on the RPDs that were filed -- or that were served,



1 rather, on the defendants and make them provide us answers  
2 and objections to each and every one of those so that we can  
3 meet with them and discuss what they will provide.

4 THE COURT: I am completely willing to do that.

5 I will do that this second. I don't think it  
6 solves the problem, because I think you will be back here  
7 three weeks from now saying, Judge, here is our request.  
8 Here is what they gave us. Unacceptable.

9 And until you have talked with them about it, I  
10 can't make progress.

11 I am very sorry to hear you didn't get documents  
12 until yesterday. That makes it almost impossible for me to  
13 handle a discovery dispute intelligently, because you  
14 obviously can't have talked to them about the inadequacies of  
15 a set of 9,000 documents that showed up on your door  
16 yesterday.

17 MR. BECKER: Your Honor, that's the point of what I  
18 am trying to convey, is that you have a significant hammer  
19 here that you can assist us with. One of which is, you can  
20 say to them, answer the 200 RPDs. Because, if nothing else,  
21 that will give us a playing field from where we can identify  
22 where we have areas of dispute.

23 And whether it's an all-day conference in two weeks  
24 where I sit down with defense counsel, I can know the answer  
25 to the questions.

1 THE COURT: I am prepared to do that, but I can't  
2 do it based upon -- on a record where what you are telling me  
3 is, we got 9,000 pages yesterday and some of these pages are  
4 inadequate and unacceptable, unless those issues have been  
5 discussed with them.

6 Again, I will do it today. I am not stonewalling  
7 you here.

8 MR. BECKER: I know you are not, your Honor. What  
9 I am trying to indicate is this: Leave aside the issue of  
10 the sufficiency of the documents itself with respect to these  
11 two documents.

12 The issue that we have is this: There will be  
13 documents where mistakes occur, where something is redacted,  
14 where we don't think it was sufficient. We aren't even out  
15 of the starting gate yet.

16 You, last hearing, ordered them to produce a  
17 substantial production. We had a debate in a meet-and-confer  
18 as to whether or not the pages they gave us last Tuesday was  
19 substantial. Defense counsel took the position that the  
20 pages that they produced on Tuesday, which we received late  
21 Tuesday night, satisfied your order, and told us that unless  
22 there is clear guidance from the Court, they believe that  
23 they are in compliance.

24 If you look at the other MDLs that are going on  
25 right now regarding documents -- take, for example, the *DePuy*

1 MDL, there were 3 million pages produced in January alone.

2 THE COURT: If your point is that 20,000 documents  
3 is insufficient, point made. You don't need to convince me  
4 of that.

5 I have individual cases where individuals bring  
6 suits against individual defendants without hundreds of MDL  
7 proceedings out there where 20,000 pages is insufficient.  
8 There is no question in my mind that 20,000 pages is  
9 insufficient.

10 There is no question in my mind, based upon what  
11 you have said -- showed me and without hearing from the  
12 defendant, that there is a problem with some of the  
13 production that's happened before.

14 Come back at 5 o'clock. If you don't have an  
15 agreement, I will lift the restriction on your pending  
16 requests.

17 I think there ought to be a resolution of this, and  
18 I am disappointed that the documents didn't show up until so  
19 late that you couldn't have what sounds to me like any kind  
20 of a meaningful discussion about it.

21 If the defendants are telling you that they have  
22 completely satisfied my expectations, I will need to hear  
23 about that at 5 o'clock, because they haven't.  
24 20,000 documents is obviously insufficient. Even without  
25 focusing on the content, it's just not enough.

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MR. BECKER: Thank you, your Honor.

THE COURT: I will see you at 5 o'clock.

MR. BECKER: Thank you.

(A recess was taken at 12:20 p.m.)

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IN THE UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF ILLINOIS  
EASTERN DIVISION

IN RE: ZIMMER NEXGEN KNEE IMPLANT PRODUCTS LIABILITY LITIGATION,	}	Docket No. 11 C 5468
	}	Chicago, Illinois
	}	January 12, 2012
	}	5:12 p.m.

TRANSCRIPT OF PROCEEDINGS - Motions  
BEFORE THE HONORABLE REBECCA R. PALLMEYER

APPEARANCES:

For the Plaintiffs:	FOOTE, MEYERS, MIELKE & FLOWERS, LLC BY: MR. PETER J. FLOWERS 3 North Second Street, Suite 300 St. Charles, Illinois 60174
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For the Defendants:	BAKER & DANIELS, LLP BY: MR. JOSEPH H. YEAGER, JR. 300 North Meridian Street, Suite 2700 Indianapolis, Indiana 46204
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Court Reporter:	FRANCES WARD, CSR, RPR, FCRR Official Court Reporter 219 S. Dearborn Street, Suite 2118 Chicago, Illinois 60604 (312) 435-5561 frances_ward@ilnd.uscourts.gov
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1 THE CLERK: 11 C 5468, Zimmer NexGen Knee Implant  
2 Products Liability.

3 MR. FLOWERS: Hello again, your Honor.  
4 Pete Flowers on behalf of the plaintiffs.

5 THE COURT: Good afternoon.

6 MR. YEAGER: Jay Yeager for the defendants.

7 THE COURT: Good afternoon.

8 Where do we stand?

9 MR. FLOWERS: We stand here, your Honor. We met  
10 for about two and a half hours this afternoon and, I think,  
11 came to an agreement as to how to proceed forward.

12 Real quick history, because I know you have been  
13 here a long time today.

14 THE COURT: I am fine. Take the time you need.

15 MR. FLOWERS: We, the plaintiffs, served requests  
16 to produce originally, a couple hundred. We then met and  
17 conferred and tried to come up with a solution that may  
18 streamline the discovery.

19 We worked on that over the last couple of months.  
20 And I think that has failed. From our perspective, we were  
21 concerned that only about 19,000 pages have been produced  
22 based on that.

23 So we met. We talked about a lot of things and  
24 have come to this agreement.

25 We would go back to the traditional discovery

1 approach. They would provide answers or objections or  
2 whatever is going to happen to the request to produce in  
3 21 days.

4 We put interrogatories on hold for the time being.  
5 We would then -- they would produce some  
6 documents -- we don't know exactly what, nor do they --  
7 within that same timeframe.

8 And then we set up a tentative meet-and-confer for  
9 February 16th, subject to some scheduling of people that  
10 weren't in the meeting this afternoon.

11 Additionally, they are going to identify the  
12 documents and however they came to the conclusion that those  
13 documents are responsive to the requests. And we also had  
14 talked about an issue of trying to produce them potentially  
15 by a custodian that we are going to try and work out.

16 But that's the agreement we reached to try and move  
17 this whole discovery situation along and get us to a point  
18 where we are seeing documents. We can feel comfortable with  
19 that. They are producing what they can produce, and we move  
20 forward with this litigation.

21 THE COURT: All right. Mr. Yeager, anything you  
22 want to add?

23 MR. YEAGER: Your Honor, if I can take just a  
24 couple minutes?

25 I think Mr. Flowers has correctly summarized our

1 agreement.

2 When we left it this morning -- and I think we have  
3 gotten past a lot of this, but I think for the Court's  
4 benefit and, frankly, protecting my client, there were some  
5 pretty -- there were some stones thrown this morning at our  
6 production and at the number of documents we had produced and  
7 at some of the particular documents. And I just feel I can't  
8 leave that lie with the Court. With two minutes, I can  
9 explain.

10 Where we left this back on December 19th was that  
11 we were -- this was the phased process. We were going to  
12 produce in the 32 categories. The Court said in its order,  
13 pursuant to the party's agreement, produce those in 90 days  
14 and make a substantial production within 30 days, by today.

15 THE COURT: Right.

16 MR. YEAGER: We have worked hard on that. We have  
17 tried to follow the Court's order. And we thought we had  
18 produced more than half of those 32 categories by today.  
19 That's the additional 10,000 that made for 20,000 total in  
20 the 32 categories.

21 I think, to be fair, the plaintiffs thought that  
22 the 32 categories would encompass more documents. And I  
23 think there is some definitional misunderstandings about what  
24 the definitions were.

25 We were producing exactly what was in the



1 32 categories. We sent them a long list of elaboration on  
2 the categories, as the Court had asked us to do. That's why  
3 the number is what it is. Actually, we are ahead of the  
4 curve on producing those documents.

5 The rest of the stuff is sitting out in databases  
6 that are still being built up. There is as much as, and  
7 maybe even more, a terabyte of data, which I am sure the  
8 Court knows is an enormous amount of data. It's going to  
9 have to be searched. We have spent the afternoon talking  
10 about different ways that we might produce from that.

11 You can't have lawyers read every one of those  
12 documents. There would be millions. And I think the process  
13 that we have set forth is going to get us to that point.

14 The particular -- so that's the reason why the  
15 number of documents were produced that were produced. We  
16 were doing what the Court had ordered us to do, in our  
17 understanding, to go take those 32 categories and run them to  
18 ground and do what we could on them in the first 30 days.  
19 And that's what we have done.

20 On the particular documents that were discussed  
21 today, Ms. Butler can talk -- would talk about this for a  
22 moment. But they were produced exactly as they were kept in  
23 the files that were described in the 32 documents. They were  
24 part of design files and other files. They were not  
25 redacted. They were not taken out of context. They were in

1 the files as the people who ran the projects put them in the  
2 files. They would sometimes take fragments of documents and  
3 put them in there. Maybe the whole document exists somewhere  
4 out in the terabyte of data, and we will get to that in due  
5 time.

6 But we were not playing games. We were not pulling  
7 documents out. It was produced exactly as it was in the  
8 documents that -- among the documents that we were required  
9 to produce.

10 THE COURT: I don't think anybody suggested that  
11 there was some kind of cleansing of the documents that  
12 resulted in this concern about redaction.

13 The documents that were produced, as I understood  
14 it, made obvious reference to a letter that seemed to be  
15 important and that, I am advised, hadn't been produced. That  
16 would raise questions in anyone's mind.

17 And you are right that I ordered production within  
18 90 days and defendants are then in technical compliance. I  
19 suppose what I should have done is said, 14 days prior to  
20 when you come in here, because it's really not workable for  
21 documents to be produced within a day or two or even three  
22 days of an appearance here and for me to expect that you will  
23 have had the conference that's necessary. And I am not in a  
24 position to rule on discovery disputes where that hasn't  
25 happened. I can't do that.

1           So one observation is that for these sessions to be  
2 productive, there has to have been -- the production of  
3 documents has to have occurred sufficiently prior to a court  
4 appearance, that plaintiffs' counsel is not handing documents  
5 up that you people haven't even looked at and no one has been  
6 asked to provide this December 20th letter, whatever it was.  
7 So that's just Point A.

8           If it's true that of the 32 documents, substantial  
9 production has been made, and that's only 19,000 documents,  
10 let's assume that I will accept that.

11           I would think that it would cry out for some  
12 explanation about why it is that, in light of the broad  
13 nature of these categories, so few documents actually fall  
14 into that group, because plaintiffs are clearly suspicious  
15 that it's not all there is. And your position is, of course  
16 that is all there is. And you need to explain why it is that  
17 plaintiffs expect so much more and, in fact, there really  
18 isn't any more.

19           I myself, on this issue at least, share plaintiffs'  
20 suspicion. It can't be that in a case like this, where we  
21 have got competent counsel on each side and where plaintiffs'  
22 original request for production was 200-some-odd requests  
23 that 19,000 documents is a substantial swatch of that. It  
24 just can't be.

25           In fact, you are telling me there is another

1 terabyte out there.

2 MR. YEAGER: Yes.

3 THE COURT: Time to be digging into that.

4 It's also time to be looking at the documents  
5 themselves so you can explain, when there are documents that  
6 make obvious reference to something else that's important,  
7 why that's not there, why that important whatever it is isn't  
8 there.

9 MR. FLOWERS: Your Honor, I just want to add one  
10 thing. This is a concern we expressed and will continue to  
11 express is, while we understand the defendant's problems  
12 producing what we believe is ultimately going to be several  
13 million pages of documents, we need to get those over some  
14 period of time where we can start to tell or expect what we  
15 are going to get, because to get to the deposition phase of  
16 this case, case-specific discovery, we need that stuff.

17 And we can't just be dropped with 5 million  
18 documents in May or in March or in April. We need to know in  
19 February, are we going to be getting 5 million pages of  
20 documents? If we are, fine. If it's going to be rolled out  
21 over a period, fine. But we need to have some idea of what  
22 it's going to be.

23 MR. YEAGER: And what we talked about in our  
24 meet-and-confer was, in response to that issue is, we will  
25 tell you as we produce -- it's going to be a rolling

1 production starting in 21 days. And we will tell you as we  
2 produce what we found and where we are in our searching of  
3 this large chunk of data.

4 For example, your Honor, you mentioned the letter  
5 that was referred to in a design history file, that someone  
6 had referred to in an e-mail that was in the design history  
7 file. If that letter still exists -- and I sure hope that it  
8 does -- it's probably out there in that terabyte, but it was  
9 not within the 32-document description, which was a very  
10 narrow description of very specific documents. That's why  
11 there are only 20,000 and probably maybe another 10 or  
12 15 more. Who knows how many more.

13 But that's why it's a much smaller number, because  
14 it was crafted -- the 32 were crafted to be guide documents  
15 in specific categories. It's on a small subset of the 200  
16 requests that we were served.

17 THE COURT: I am guessing your definition of a  
18 "design history file" and plaintiffs' is something different.

19 MR. FLOWERS: Yes.

20 MR. YEAGER: There is an FDA. I mean, there is a  
21 definition. It's a defined term, design history file, and we  
22 have to have certain things in it. And that's what we have  
23 produced.

24 MR. FLOWERS: That's why we are going back to the  
25 requests to produce, your Honor. That's exactly the reason

1 why we are going back to them, because we are not going to  
2 deal with this subjective determination as to what it is.

3 Every case I have been involved in, in medical  
4 devices, I get millions of pages. I don't care if it's one  
5 case or 10,000 cases, there's a lot more documents.

6 If they are saying there was 40,000 total documents  
7 for 32 requests, those 32 requests dealt with key issues in  
8 this case. And marketing, where's all the marketing  
9 material?

10 But that's water under the bridge, as I see it now.  
11 We are back to traditional discovery, and we will hopefully  
12 go forward with that. We will probably be back with some  
13 arguments, but we are going to try and work it out as best we  
14 can.

15 MR. YEAGER: And we put the 32-document process  
16 aside.

17 THE COURT: All right. That's fine.

18 Twenty-one days for the rolling production to  
19 begin.

20 I am going to direct further that there be -- that  
21 there be an attorney on each side who's the point person on  
22 discovery and that those attorneys have a telephone  
23 conversation at least every week, beginning 21 days from now,  
24 so that we get some sense of cooperation on this, because I  
25 am not sure that's happened.

1 I think there is good faith on both sides, but I am  
2 not seeing the kind of progress that should be happening.

3 I will put that in the order for today.

4 So when is our next meeting?

5 MR. FLOWERS: February 23rd, I think.

6 THE COURT: That sounds right. Okay. I will see  
7 you then, but that's obviously more than 21 days from now.

8 MR. YEAGER: Yes.

9 MR. FLOWERS: Right.

10 THE COURT: All right. Thank you.

11 MR. YEAGER: Thank you, Judge.

12 MR. FLOWERS: Thank you, your Honor.

13 (An adjournment was taken at 5:23 p.m.)

14 \* \* \* \* \*

15 I certify that the foregoing is a correct transcript from the  
16 record of proceedings in the above-entitled matter.

17 /s/ Frances Ward January 24, 2012.  
18 Official Court Reporter  
19 F/j

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