

IN THE DISTRICT COURT OF THE UNITED STATES  
DISTRICT OF SOUTH CAROLINA  
CHARLESTON DIVISION

IN RE: LIPITOR 2:14-MN-2502

TRANSCRIPT OF HEARING  
THURSDAY, MARCH 18, 2016  
BEFORE THE HONORABLE RICHARD M. GERGEL,  
UNITED STATES DISTRICT JUDGE

APPEARED FOR PLAINTIFFS:

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Proceedings recorded by mechanical shorthand,  
Transcript produced by computer-aided transcription.

1 THE COURT: This is the matter of In Re: Lipitor,  
2 2:14-2502. Could counsel who is going to be arguing today  
3 identify themselves for the record?

4 MR. MARCUM: Christiaan Marcum for the plaintiffs,  
5 Your Honor.

6 MR. CHEFFO: Good morning, Your Honor, Mark Cheffo.

7 THE COURT: Thank you.

8 Let me sort of revisit where we have been and sort  
9 of what the purpose I view of this oral argument. As I've  
10 said to my good friends on both sides of this case before, I  
11 don't schedule oral argument to entertain the lawyers or for  
12 them to entertain me, okay? I take -- I respect very much  
13 the work y'all do, and as a demonstration of that respect, I  
14 read all your briefs, I read your cases, I read the  
15 underlying reports and I've read the depositions. It's not  
16 like I'm not aware of the facts. I'll say that I have  
17 questions I need help on and that's why you are here. And  
18 frankly, if I didn't need the help, I would issue an order  
19 without oral argument. I just, you know, I do it, it's as a  
20 utility for the Court. And I know that's a little different  
21 from what a lot of folks -- a lot of folks see oral argument,  
22 they come in and they get to restate their argument, but that  
23 won't be of any help to me. I have spent a great deal of  
24 time studying this. And to the extent I misapprehend  
25 something, you will detect it by my questions, you can

1       straighten me out, but I generally kind of get it.

2               And the -- you know, of course where we came from  
3       here is we were doing general causation. I had seen data  
4       that raised the issue in my mind whether there was a  
5       potential dose issue here. Obviously, there are cases out  
6       there that addressed that issue previously. And I reopened  
7       discovery because I thought we needed to drill down on the  
8       specific dose issues. And we are now here addressing that  
9       with that additional information.

10              I think the best way is -- I want some, first of  
11       all, some clarification about the specific opinions of  
12       specific experts to make sure I understand where we are and  
13       what the significance of what they say might be.

14              So I would like to start with plaintiff because  
15       that's sort of where my questions are in terms of  
16       understanding it. And then I want -- once I clarify in my  
17       own mind, I want to give the defendant a chance to argue, to  
18       challenge that.

19              So Mr. Marcum, if you would come to the podium, that  
20       would be great. Thank you, sir. You are a bold guy, you  
21       have no notebook or anything. I've always admired your  
22       memory, so you are about to test it here, right?

23              MR. MARCUM: Well, this brain can only hold so  
24       much.

25              THE COURT: Tell me about it.

1 MR. MARCUM: I'll do my best to endeavor to answer  
2 your questions as I always try to.

3 THE COURT: Let me -- and I'm going to -- I'm going  
4 to try to avoid jumping around to different experts because I  
5 myself have trouble if I blend too much, I get confused about  
6 who said what. And I'm capable of making that mistake today  
7 and hopefully we'll avoid that.

8 So let me -- I'm going to first have a series of  
9 questions about Mr. Singh, okay? Let's start with Dr. Singh.  
10 And I think that a decent starting point of where I'm a  
11 little bit confused is I think we need to -- we all need to  
12 be on the same page about the Cederberg study. I want to  
13 make sure we are all on the same page about what that study  
14 did and did not do, and did and did not say.

15 MR. MARCUM: Sure.

16 THE COURT: We all recognize it is an observational  
17 study, correct?

18 MR. MARCUM: Correct.

19 THE COURT: And it compared certain doses of certain  
20 statins, including Lipitor, to a group who did not take  
21 statins called a non-statin group, correct?

22 MR. MARCUM: Correct. Control group, non-statin  
23 group.

24 THE COURT: And the comparator is non-statin,  
25 correct?

1 MR. MARCUM: Correct.

2 THE COURT: They did not compare the higher dose  
3 with the low dose. That's not part of that particular study.

4 MR. MARCUM: Correct. I think perhaps that's the  
5 Carter observation --

6 THE COURT: That chart.

7 MR. MARCUM: -- but not Cederberg. Correct, Your  
8 Honor.

9 THE COURT: And what it found regarding Lipitor,  
10 they -- the group, the study lumped 20- and 40-milligram  
11 subjects together, correct?

12 MR. MARCUM: That is correct.

13 THE COURT: And found there was, the relationship  
14 between Lipitor and new onset type 2 diabetes was  
15 statistically significant.

16 MR. MARCUM: That's correct, Your Honor.

17 THE COURT: 20/40 group is statistically  
18 significant. And similarly, it found that at 10 milligrams,  
19 there was no statistical significance.

20 MR. MARCUM: With respect to the new onset  
21 diabetes, that's correct, Your Honor. There was, however,  
22 statistically significant findings with respect to, I believe  
23 it was decreased insulin sensitivity.

24 THE COURT: One of these metabolic issues.

25 MR. MARCUM: Metabolic. That's right.

1 THE COURT: But as to the ultimate issue, we don't  
2 have statistical significance.

3 MR. MARCUM: That's correct.

4 And I do want to back up for one second with the  
5 question about the comparison of the, I guess the 20- to  
6 40-milligram doses to the lower doses. There is actually a  
7 table in the Cederberg, or a graph in the Cederberg paper  
8 that actually does sort of -- I do have a notebook back  
9 there, so --

10 THE COURT: Go grab it if you want to. I think I  
11 know exactly the chart. I want to make sure we are on the  
12 same page about it.

13 MR. MARCUM: Yeah. There is a chart that's got  
14 like four different tables in it, or graphs in it.

15 THE COURT: Correct. And it's the lower,  
16 right-hand graph.

17 MR. MARCUM: That's correct. It's D. It's the  
18 lower right-hand. And it does actually have some  
19 computer --

20 THE COURT: As a visual but not a statistical.

21 MR. MARCUM: Absolutely, Your Honor.

22 THE COURT: And that actually if you study that  
23 graph, which like you, Mr. Marcum, I find interesting, just,  
24 you know, it helps you visualize something you kind of read  
25 about, but it's interesting to see it at least visually

1 depicted --

2 MR. MARCUM: Sure.

3 THE COURT: -- is that the -- the 10-milligram  
4 Lipitor group is closer to the non-statin control group, and  
5 the 20/40 group is rather, at least visually on this chart,  
6 to be demonstrably different.

7 MR. MARCUM: That's correct. Although I would  
8 point that out there is a difference between that  
9 10-milligram group and the non-statin.

10 THE COURT: No question.

11 MR. MARCUM: Particularly with increasing  
12 durational use.

13 THE COURT: Correct. It's there. There is no  
14 question. It's not -- it was determined not to be  
15 statistically significant, correct?

16 MR. MARCUM: With respect to new onset diabetes,  
17 absolutely right.

18 THE COURT: Okay. And then there was the study --  
19 and just to be fair with everybody, that Cederberg came out  
20 after these initial lawsuits were filed.

21 MR. MARCUM: That is correct.

22 THE COURT: 2015.

23 MR. MARCUM: Came out in 2015. It actually, if I  
24 remember the timeline, I think it came out three days before  
25 our initial expert reports were due.

1 THE COURT: Right.

2 MR. MARCUM: But, yes, it came out well after the  
3 litigation.

4 THE COURT: Yeah, you know, one of the challenges  
5 here is when you have a sort of dynamic scientific process  
6 going on in the middle of the litigation, it's always  
7 something challenging for everybody, the experts, for the  
8 parties, everyone.

9 Then there is the study Navarese, the Navarese  
10 analysis.

11 MR. MARCUM: Correct.

12 THE COURT: Meta -- and it also -- I think we  
13 figured out it actually came out after the initial lawsuits  
14 came.

15 MR. MARCUM: I think that's right, too.

16 THE COURT: Very -- very close in time, but I  
17 think --

18 MR. MARCUM: That's right. And I don't recall  
19 Navarese being the subject of extensive discussion in the  
20 initial expert reports, but it certainly was in the  
21 supplemental reports, as well as the briefing.

22 THE COURT: And the effect of new data, and  
23 sometimes the older data, everybody has got their mind  
24 wrapped around the old data. And even though it might be out  
25 there, you don't tend to focus on it because your brain is



1       wired on the old.

2               MR. MARCUM:     Although Navarese is a meta-analysis  
3       of the older data.

4               THE COURT:    Right.     And among the various  
5       comparator groups that Navarese focused on was comparing 10  
6       milligrams of Lipitor to a placebo group, correct?

7               MR. MARCUM:    That is correct.    It looked back at  
8       the original ASCOT data.   I'm not sure if there was actually  
9       another.

10              THE COURT:    I'm not sure, either, I just know that  
11       part of --

12              MR. MARCUM:    But that -- you are right.   You are  
13       right

14              THE COURT:    And it also found that the relationship  
15       between Lipitor 10 milligrams and new onset type 2 diabetes  
16       was not statistically significant.

17              MR. MARCUM:    I would ask Your Honor to take a very  
18       close look at Navarese when you get the opportunity.

19              THE COURT:    I have taken a very close look.   That's  
20       why we are here.

21              MR. MARCUM:    Because you are right, that that is --  
22       the statics themselves did not reach statistical  
23       significance.   But in the discussion section, the authors  
24       actually -- I think that their conclusions actually go a  
25       little further than what the statistics themselves might

1 suggest.

2 THE COURT: Well, I will go back and read that. I  
3 appreciate you mentioning that, and I will go back.

4 But as to the, again, the statistical presentation,  
5 no statistical significance at 10 milligrams, right?

6 MR. MARCUM: That's correct. I think there is a  
7 forest plot or something within the article. And if you look  
8 at the -- I don't remember if it was confidence intervals,  
9 but you are correct, on the pure raw statistics, it did not  
10 reach statistical significance.

11 THE COURT: Now that you and I are, I'm not  
12 surprised, are on the same page about Cederberg and  
13 Navarese -- I was struck that Dr. Singh did not mention  
14 Cederberg 10 milligrams when addressing whether there was  
15 statistically or any kind of -- when he was offering his  
16 opinion that 10 milligrams of Lipitor caused diabetes, he did  
17 not mention Cederberg. And I've got to tell you, I was  
18 expecting a lot of -- I was very anxious to see the  
19 discussion of Dr. Singh, in particular, regarding both the 10  
20 and 20/40 milligrams.

21 MR. MARCUM: And I think he did address the 20 and  
22 40.

23 THE COURT: He did it -- I believe we will look at  
24 it -- he -- he made a mistake about 20/40. And we'll talk  
25 about that in a minute. And because of that, I don't really

1 have an opinion -- and I'll talk to you about that in a  
2 minute -- that seems to straight up, in a factually correct  
3 way, give an opinion.

4 MR. MARCUM: I don't recall the mistake, but I know  
5 you will show it to me.

6 THE COURT: I'll show it to you. And I'm not -- I'm  
7 struggling with the meaning of it. We'll get to that in a  
8 minute. I'm getting ahead of myself.

9 The ASCOT finding, of course, is a clinical trial.  
10 And I know that Dr. Singh had his reasons for questioning  
11 whether the weight that should be given to that clinical  
12 trial. But then we have both Cederberg, an observational  
13 study, and Navarese, a meta-analysis, making the same  
14 finding: Nonstatistical significance on 10 milligrams,  
15 correct?

16 MR. MARCUM: Correct.

17 THE COURT: Can you see, Mr. Marcum, my concern with  
18 Dr. Singh failing to mention that? Because it seems to me  
19 that if you have additional studies, not the gold standard,  
20 not clinical trials, that tends to make more compelling the  
21 clinical trial results. It suggests it's not an outlier,  
22 that it's not as good. We would love to have -- in a perfect  
23 world we would have 20 clinical trials, but that's not the  
24 situation here.

25 So I am troubled by the fact that Cederberg and

1 Navarese is not addressed by Dr. Singh, does not attempt to  
2 reconcile it, does not discuss the inconsistency with his own  
3 opinion, and why I should not give weight to that. And as  
4 you know -- you know, what the answer is, I don't care. I  
5 don't have a dog in this fight. You guys fight that out.

6 MR. MARCUM: Should I answer, or attempt to answer?

7 THE COURT: What I do care is methodology, that  
8 there is not a gap between -- that there is data to support  
9 the opinion.

10 And, you know, one of the hallmarks of experts  
11 getting in trouble -- you've read these cases like I have --  
12 is when you cherry-pick and you omit and don't discuss  
13 inconsistent data.

14 So I am troubled why Cederberg isn't there, why  
15 Navarese isn't there and why that doesn't affect what I  
16 believe is the Court's confidence in the methodology, and  
17 frankly, the data relied upon by Dr. Singh in reaching his  
18 10-milligram decision.

19 MR. MARCUM: I can't answer for Dr. Singh. But  
20 what I would say in Dr. Singh's defense are these things:

21 Number one, with respect to the Navarese  
22 meta-analysis, I do believe -- and it's back there in my box  
23 somewhere -- but I do believe that the 10-milligram data that  
24 it looked at was the ASCOT study. I don't believe --

25 THE COURT: You can say that. I don't know what it

1 looked at. Cederberg, frankly -- I've got to tell you,  
2 Cederberg was like, you know, when I was -- when I was sort  
3 of -- I was dealing with -- I had SPARCL and ASCOT, okay?  
4 Those were the sort of bookends. I had statistical  
5 significance at 80, I didn't have it at 10.

6 And then Cederberg came. I remember the first time  
7 I read Cederberg. It actually was dealing with the very  
8 question I was concerned about: Do we have a dose issue  
9 here? And I didn't know -- you know, I hadn't read it close  
10 enough. I really wanted -- I'm not an epidemiologist, you  
11 are not an epidemiologist. I was looking to these experts to  
12 tell me. And I even said to y'all, Listen, I'm not going to  
13 tell you what to do, but I kind of think 10 and 80 look like  
14 we know the answer if you use reliable methodology, I'm  
15 really interested in 20 and 40.

16 And what I had was Dr. Singh doubling down on the 10  
17 milligrams, which I said, you know, I'm open -- if there is a  
18 good reason, I'm open to hearing it. I'm interested in  
19 methodology. And he doesn't address Cederberg.

20 MR. MARCUM: And I think that's because he doubled  
21 down on it with respect to the randomized clinical trials.  
22 He addressed ASCOT. He addressed the NDA data, the '99,  
23 2001 --

24 THE COURT: But, you know, even the -- a lot of this  
25 data comes up, it's not statistically significant at 10

1 milligrams. I mean, this is what really struck me about the  
2 Koh work, you know, that -- in which Dr. Quon is a coauthor.  
3 They actually -- you know, they are not markers for diabetes,  
4 you know, the hemoglobin studies, the insulin sensitivity,  
5 they are interesting, but they are not actually -- that  
6 doesn't mean diabetes. You can have -- you can not have  
7 diabetes when you have, you know, decreased insulin  
8 sensitivity and elevated HbA1c.

9 MR. MARCUM: That's very possible, Your Honor.

10 If I could, I would remind you that what the warning  
11 label language for Lipitor actually says, it doesn't use the  
12 word diabetes, it says increase in HbA1c --

13 THE COURT: I completely agree.

14 MR. MARCUM: So we are not talking about an  
15 analytical gap.

16 THE COURT: But this is not a lawsuit about simply  
17 Lipitor causing a decrease in insulin sensitivity.

18 MR. MARCUM: No question.

19 THE COURT: So I think it's fair comment to talk  
20 about these metabolic markers. I think that is fair. It's  
21 not the same. Nobody acts like they are the same.

22 But it's -- but when the markers follow the pattern,  
23 that is, they are not statistically significant at 10  
24 milligrams and are at 20 and 40, or at least some degree at  
25 20, at 40, other than that one oddity in the thing about 40

1 in one of the Koh studies, and it just seems to me that we  
2 are -- again, you go to methodology here. You have a lot of  
3 things that tend to -- that would look to me just logically  
4 to corroborate the view there is not statistical  
5 significance, that ASCOT got it right, and they are just not  
6 addressed.

7 Are there not -- there is an argument given to me  
8 that I should look at trends. I should abandon statistical  
9 significance and look at trends. And the argument basically  
10 is we are really going back to dosage. That is, if you've  
11 got 80 then you've really got the rest, or it's there. It's  
12 not -- I mean, we don't have a debate. It's not  
13 statistically significant. All the data, both the marker  
14 evidence and all these -- the safety data, everything we look  
15 at, it's not statistically significant at 10 milligrams,  
16 right?

17 MR. MARCUM: I think the argument that's been  
18 presented to you --

19 THE COURT: Well, first of all, am I right about  
20 that?

21 MR. MARCUM: For new onset diabetes, I think you  
22 are exactly right.

23 THE COURT: That's all -- that's --

24 MR. MARCUM: Based on the published ASCOT study,  
25 which is the only one at this point.

1 THE COURT: Cederberg?

2 MR. MARCUM: Well, Cederberg, correct. Correct.  
3 That observational study.

4 THE COURT: Don't forget it.

5 MR. MARCUM: Right. You are right.

6 THE COURT: Navarese.

7 And then when we look at the metabolic marker  
8 evidence, they also follow that same pattern.

9 MR. MARCUM: I don't think that's correct, Your  
10 Honor. Some of that metabolic evidence does reach  
11 statistical significance.

12 THE COURT: At 10 milligrams.

13 MR. MARCUM: At 10 milligrams, correct.

14 THE COURT: For causing diabetes or for causing --  
15 I'm sorry -- 10 milligrams causing -- let's look at --

16 MR. MARCUM: Whether it's decreased insulin --

17 THE COURT: Let me not get these confused. Let's  
18 go -- rather than talk in the abstract here, let's look at  
19 the Koh -- let me find my Koh studies.

20 MR. MARCUM: While you are finding yours, I'll try  
21 to find mine.

22 THE COURT: And I'm looking at -- and you've got to  
23 differentiate them because there are a lot of them --

24 MR. MARCUM: There are, correct.

25 THE COURT: I'm looking at 2010.



1 MR. MARCUM: That's the one that is specific to  
2 atorvastatin.

3 THE COURT: Right. And I spent -- you know, it  
4 appears, understandably, in other studies --

5 MR. MARCUM: It does.

6 THE COURT: -- because it's important. And I'm  
7 looking, for the record, we are at Docket Entry 1159-17 at  
8 page 6, it is page 1213 of the article, and it has a series  
9 of charts.

10 MR. MARCUM: Correct.

11 THE COURT: And --

12 MR. MARCUM: With the changes --

13 THE COURT: One of them is the percent change in  
14 HbA1c, and it is clearly not statistically significant at 10,  
15 but is at 20, 40 and 80. Am I right?

16 MR. MARCUM: When you look at each one  
17 individually, you are correct.

18 But this is where we get into the discussion by Dr.  
19 Quon of this statistic at the top, the ANOVA, the Analysis of  
20 Variance, which looks at each of the groups across the dose  
21 range together, and that finding was statistically  
22 significant as a dose intended --

23 THE COURT: The problem with that is the weight of  
24 the higher milligrams may be creating a positive for the  
25 lower. That's why you break it out, and that's what you are

1 looking for. You are saying is when we lump them all  
2 together, are we simply looking at the effects of high dose  
3 or is this across the board? And when you do that study,  
4 which is what this data shows, there is a difference. It's  
5 not uniform across the board. And in fact, at 10 milligrams  
6 there is no statistical significance in each of these charts.

7 And it -- it strikes me that nobody has sort of --  
8 none of your experts said, okay, every study shows the same  
9 pattern. It shows the same pattern at 10 milligrams. It  
10 does not reach statistical significance.

11 MR. MARCUM: What they would say, Your Honor, is  
12 that every study shows a trend. And I realize you are  
13 reticent to accept that, but --

14 THE COURT: And Dr. Singh was actually asked about  
15 that. And he says, you know, he kind of backs off in his  
16 deposition, he says, Listen, I'm not really saying its cause.  
17 That's one explanation -- you know, I have a hypothesis, one  
18 of them is if we had more power, but I'm also saying, it  
19 might just be that there is no statistically significant  
20 association no matter what we did. I mean, he says that.

21 And that really gets to this problem about when your  
22 study doesn't show statistical significance, you might, as a  
23 scientist, have an hypothesis that maybe if I had more  
24 people, maybe I would get a different result. But that's  
25 simply a hypothesis. It's a speculation. You don't have a

1 study.

2 And what I felt like was double down on 10. I had a  
3 lot of hypotheses being sold to me, or attempted to be sold  
4 to me, as a scientific opinion. And I would have to say  
5 that I accepted -- you know, it's not like the *Neurontin* case  
6 where you have a very limited number of suicides, you have a  
7 very limited pool of people. It's very hard to figure out  
8 statistical significance. These studies have had a lot of  
9 subjects studied. This is not an unstudied area or an  
10 inadequate pool of people who may have gotten -- we know a  
11 lot of people who have been on Lipitor also have gotten  
12 diabetes. It's not like -- and there is a debate about why,  
13 why that is so.

14 MR. MARCUM: In fairness, though, even the  
15 defendants would admit that none of those studies, with the  
16 claimed exception of ASCOT, was prospectively designed to  
17 look at that particular issue.

18 THE COURT: But it doesn't mean that if you -- that  
19 if you did a prospective study, you wouldn't get identical  
20 results. You don't know. That's the problem.

21 MR. MARCUM: It's also not proof of no effect,  
22 though.

23 THE COURT: Well, that's not -- the question here,  
24 you've got to -- you've got to provide me experts that -- I  
25 mean, I'm just a gatekeeper here. But my role is that

1 you've got to have reliable data. And if the data is, is  
2 nothing but speculation; that is, I think if we had a  
3 prospective study, I think if we had a longer duration, I  
4 think if we had more subjects we would get a different  
5 result. That's not science. That's -- I mean, that may be  
6 a fair basis to get funded a study based on this, but that's  
7 not evidence. And that's -- that's the very analytical gap  
8 the Supreme Court talked about in *Joiner*. There is an  
9 analytical gap there between the opinion and the data.

10 And, you know, so what lights up right at the  
11 beginning is we don't even mention two additional studies  
12 that are really consistent with ASCOT. I mean, I understand  
13 you want to go in and argue against the clinical trial, fine.  
14 That's fine. But --

15 MR. MARCUM: Well again, Navarese was ASCOT, okay?  
16 It's repeating it.

17 THE COURT: But certainly Cederberg is an  
18 interesting --

19 MR. MARCUM: That's a different --

20 THE COURT: And it's not addressed.

21 And -- but let me move to the -- my confusion about  
22 Dr. Singh and his 20-milligram -- his 20-milligram opinion.  
23 I want you to go to his deposition, somebody can hand it to  
24 you, at page 475. It's actually 474.

25 MR. MARCUM: Bear with me one second, Your Honor.

1 I'm there.

2 THE COURT: Okay. He is asked by defense counsel  
3 on line 16: "What studies, if any, produce a statistically  
4 significant finding that Lipitor at 20 milligrams or  
5 40 milligrams increases the risk of type 2 diabetes?"

6 Do you see the answer?

7 MR. MARCUM: I do.

8 THE COURT: He says none.

9 MR. MARCUM: And I think he says that in his  
10 report, as well, but what he's referring to are randomized  
11 control studies.

12 THE COURT: Well, I don't -- I don't think he does  
13 that, frankly. I think because he -- well, let's assume for  
14 a minute he is in his opinion. Because now we go to the next  
15 question, which is asked at 475 and line 12: "And if 10" --  
16 in talking about 10 milligrams -- "doesn't cause diabetes,  
17 how, if at all, are you able to reach conclusions about  
18 20 milligrams and 40 milligrams?"

19 Do you see that question?

20 MR. MARCUM: I do see that.

21 THE COURT: He says "I can't."

22 MR. MARCUM: And again, I refer you to his report,  
23 because what he's clearly talking about is the lack of  
24 randomized controlled trials. We know, Judge, there are  
25 observational studies that find statistically significant

1 results at 20 and 40.

2 THE COURT: Well, he says he can't offer an  
3 opinion -- this is not a randomized study. He's saying: "I  
4 can't offer an opinion about 20 or 40 milligrams independent  
5 of the fact if I don't have 10 milligrams."

6 MR. MARCUM: Correct. And in the conclusion of  
7 his report, he sort of says the same thing.

8 THE COURT: Well, I just want to make sure we are on  
9 the same page here. He's factoring in -- you are telling me  
10 he he knows about Cederberg, correct?

11 MR. MARCUM: It's discussed in his report.

12 THE COURT: Well, I'll show you. He describes it  
13 incorrectly, but at another point he does describe it  
14 correctly. But I just want to make sure we are on the same  
15 page here. Even with the correct under -- you believe he  
16 correctly understands that Cederberg and observational  
17 studies find statistically significant association at 20 and  
18 40 milligrams, correct?

19 MR. MARCUM: Correct.

20 THE COURT: Okay. And notwithstanding his  
21 knowledge of Cederberg, he still concludes he cannot offer a  
22 causation opinion at 20 or 40 milligrams unless he has a  
23 causation finding at 10 milligrams, correct?

24 MR. MARCUM: Again, he is referring specifically,  
25 it's clear from his report, to the lack of randomized control

1 trials at 20 and 40.

2 THE COURT: But his ultimate opinion is, he says:  
3 "If 10 doesn't cause diabetes, how, if at all, are you able  
4 to reach conclusions" -- just conclusions, your opinion. He  
5 is saying: "Unless I have 10 milligrams, I can't offer an  
6 opinion about 20 or 40 milligrams."

7 Correct?

8 MR. MARCUM: What he said --

9 THE COURT: Correct or --

10 MR. MARCUM: I don't know if I can say correct,  
11 Your Honor. I think the conclusion of his report is clear.

12 THE COURT: It's not. That's why I've got you here  
13 asking this question.

14 MR. MARCUM: Wait. At the conclusion of his  
15 report, which is at the last page, is that his conclusion  
16 that there is evidence, sufficient evidence for him to opine  
17 at 10, and clearly sufficient evidence for him to opine at  
18 80. And while there is a lack of evidence at 20 and 40, I  
19 believe his language is, it's hard to believe scientifically  
20 that there is not an effect at 20 and 40 if there is at 10.

21 THE COURT: Okay. And then the other side of this  
22 is which, what defense counsel was asking him: If you don't  
23 have 10, then you don't have 20 and 40, correct?

24 MR. MARCUM: Based on the state of the evidence as  
25 Dr. Singh, I believe, views it, if he wasn't comfortable at

1 10, he would be uncomfortable at 20 and 40.

2 THE COURT: Different question. If the Court finds  
3 there is not sufficient data to support his opinion at 10,  
4 and I don't find his opinion acceptable at 10, so he's got 20  
5 and 40 have got to stand alone, his opinion is there is not  
6 sufficient stand-alone evidence at 20 and 40 for him to offer  
7 an opinion.

8 MR. MARCUM: With due respect, he would disagree  
9 with your finding at 10. But if your finding at 10 convinced  
10 him, Okay, I, Dr. Singh, am wrong about 10, then I think he's  
11 said it. He's said, I don't think --

12 THE COURT: I can't offer --

13 MR. MARCUM: I couldn't get to 20/40 without 10, is  
14 what Dr. Singh has said.

15 THE COURT: So I have not misunderstood his opinion?

16 MR. MARCUM: I don't believe so.

17 THE COURT: Okay.

18 MR. MARCUM: But again, that's -- it's clear to me  
19 and it's clear from his report that what he's talking about  
20 is the lack of randomized controlled trials.

21 THE COURT: You are giving me the explanation. But  
22 they are talking here about his opinion. I'm concerned,  
23 does he have an opinion at 20 and 40 independent of the  
24 finding at 10? And you are telling me it's -- it is  
25 dependent, not independent.



1 MR. MARCUM: I can't tell you other than what his  
2 report says. And to me, I agree with you, I think it's clear  
3 from his report, his opinions at 20 and 40 flow from his  
4 opinion at 10.

5 THE COURT: Thank you.

6 MR. MARCUM: I'm going to step back for a drink of  
7 water. I'm not running from you.

8 THE COURT: Go ahead. We are not having an  
9 endurance contest here.

10 Let me talk to you for a minute, if I might,  
11 about -- about methodology -- normal methodology. First of  
12 all, for epidemiologists, the standard -- the standard  
13 methodology is that there is -- there is basically a two-step  
14 process.

15 Step one is whether there is the relationship  
16 between a particular, in this case, drug and a disease, in  
17 this case diabetes, whether there is -- that relationship is  
18 statistically significant. That's the first step normally  
19 in the methodology, correct?

20 MR. MARCUM: I believe finding a valid association.

21 THE COURT: Right. And valid association means  
22 statistically significant, correct?

23 MR. MARCUM: Um, I think we could argue about that;  
24 but yes. Typically, yes.

25 THE COURT: I'm talking about in the field of

1 epidemiology, that's what they -- that's what they operate --

2 MR. MARCUM: You want to find a valid,  
3 statistically significant association. That's correct.

4 THE COURT: Right.

5 And then though you have now found that it's not the  
6 result of random chance, that doesn't end the analysis  
7 because you now go to step two, which is the Bradford Hill  
8 analysis. And then you have these multiple factors that are  
9 applied to determine whether there is genuine causation. And  
10 that is sort of an epidemiological judgment call, correct?

11 MR. MARCUM: That's correct. Those are  
12 guideposts. Obviously they don't all --

13 THE COURT: They are not controlling.

14 MR. MARCUM: That's right.

15 THE COURT: But you normally have to -- you normally  
16 have to satisfy step one to get to step two, correct?

17 MR. MARCUM: Um, in the purely, I believe, yes. I  
18 mean, ideally you satisfy step one, you move to step two.

19 THE COURT: Right.

20 And if we applied that standard epidemiological  
21 methodology here at 10 milligrams, we would not get -- we  
22 would not get to statistical significance?

23 MR. MARCUM: I'll be doing this a lot today. I'm  
24 afraid I respectfully disagree because there are  
25 statistically significant findings of these metabolic

1 markers. They may not be new onset diabetes, Judge, but --

2 THE COURT: Okay. We agree that as to -- as to the  
3 relationship between Lipitor 10 milligrams and new onset  
4 diabetes, there is no published study that shows statistical  
5 significance, correct?

6 MR. MARCUM: With respect to the end point new  
7 onset diabetes, you are correct.

8 And if I could, at the risk of angering you, for the  
9 record, I have to say that the focus we are putting on ASCOT  
10 in this case makes the exclusion of Dr. Jewell's analysis of  
11 ASCOT that much more egregious in error, with all due  
12 respect.

13 THE COURT: Well, listen, you can have that.

14 MR. MARCUM: There is so much emphasis on this  
15 study, you deserve a closer look. And I realize we've been  
16 there, we've done that, but for the record I just want to say  
17 that.

18 THE COURT: And I've said all I'm going to say about  
19 Dr. Jewell. I was not impressed with his work. And I  
20 thought it was very result oriented and litigation driven.  
21 And I didn't appreciate a lot of his strategies, which seemed  
22 to me did not follow professional strategies. But I'll let  
23 my order speak for itself.

24 MR. MARCUM: Right.

25 THE COURT: And, you know, I noted -- and I've got

1 to tell you something, you know, sometime after I issued my  
2 order, I noticed there was another District Court that had  
3 some of the same criticism of Dr. Jewell.

4 MR. MARCUM: The work he did in that case, Judge,  
5 was completely different.

6 THE COURT: Listen, and I didn't even know about it.  
7 I only learned about it, you know, when the order came out  
8 later. I mean, I wasn't aware of it. It is just  
9 interesting that two District Judges in different parts of  
10 the country dealing with Dr. Jewell reached the same thing.  
11 But this is not about Dr. Jewell, this is about the -- the  
12 opinions of Dr. Singh I'm focusing on.

13 MR. MARCUM: I agree. And again, with due respect  
14 I just want to make a point.

15 THE COURT: Mr. Marcum, I would think less of you if  
16 you just said, Okay, Judge, I accept your finding. I  
17 respect you to fight my conclusion, okay? I don't -- you  
18 know, again, I don't have a dog in this fight. I'm just  
19 trying to do my best. And what the good news is is you are  
20 always going to have another court to look over my shoulder.

21 MR. MARCUM: You are going to show me that map to  
22 Richmond at some point, aren't you?

23 THE COURT: That's okay. I don't say it with any  
24 regret or anger. That's the way the system works. These are  
25 complicated questions, and I've given my best work on, and

1 I'll have another court to look over my shoulder to see if I  
2 got it right or not.

3 MR. MARCUM: And I don't want you to take my  
4 comment as a lack of respect because I know you've done a  
5 lot.

6 THE COURT: You know, I have many, many lawyers tell  
7 me that they think they don't agree with me. It's about  
8 50 percent of the lawyers who leave every day, okay?

9 MR. MARCUM: It won't surprise you that other  
10 judges have told me they don't agree with me, right?

11 THE COURT: So if I was -- you know, as they say --

12 MR. MARCUM: You are not the first.

13 THE COURT: -- if you want a friend in this  
14 business, get a dog, the old Harry Truman statement.

15 Now, you made mention of the fact that there are  
16 these markers, and I call them, as a shorthand, these  
17 metabolic markers that Koh has written about that shows -- we  
18 just looked at it -- statistical significance at 20. I think  
19 one of them doesn't show it at 40, but shows it at 20 and 80.  
20 The HbA1c shows it at 20, 40 and 80, and the other shows it  
21 at 40 and 80, I think.

22 MR. MARCUM: Yeah, I believe that's a measure -- as  
23 I recall that's a measure of insulin sensitivity.

24 THE COURT: Right. Which I think Dr. Koh describes  
25 as the best available right now, in any regard.

1           There -- even these -- if you are going to say,  
2           Okay, Judge, you know, we recognize that -- that these  
3           markers aren't basically diabetes, they are -- they may be  
4           relevant. They are indirect -- I think they are described by  
5           your experts as indirect evidence, not direct evidence,  
6           correct?

7           MR. MARCUM:    Correct.    They are the things you  
8           look out for. They are the things frankly the FDA has told  
9           doctors and patients to look out for in the warning label.

10          THE COURT:    There is an interesting case out -- I'm  
11          sure you read it -- it says, you know, the FDA has a  
12          different standard than courts in looking at issues. They  
13          have a different role and a different function. And  
14          their -- their mission is to be cautious. And there is  
15          actually an excellent discussion in one of the cases about  
16          how they are different. And it's not unimportant to look at  
17          and to consider, but the fact that the FDA did not make a  
18          dose determination doesn't settle the question. I mean, the  
19          question is, is you've got to go -- you know, it's striking  
20          to me that the studies have shown a fairly consistent  
21          pattern.

22          And the point I was getting ready to make here is  
23          all of them, every one of them, at least in the Koh  
24          studies -- let's focus on those -- do not show a  
25          statistically significant association between 10 milligrams

1 and diabetes, or 10 milligrams and the factors that they are  
2 studying. I'm sorry. They consistently at 10 milligrams  
3 are not statistically significant.

4 MR. MARCUM: As the Court acknowledged, there is  
5 many different Koh papers. I can't concede standing here  
6 right now if that is consistent.

7 THE COURT: I'm looking at the 2010.

8 MR. MARCUM: The 2010, you are correct. If you  
9 look at 10 milligrams alone with respect to the HbA1c,  
10 neither of those isolations reaches it. And if you look at  
11 ANOVA, the group reaches it.

12 THE COURT: The group reaches it.

13 But then you've got to ask: Is the group the effect  
14 of the higher dose or is it -- is it across the board? And  
15 when you look at it and break it down, the question, at least  
16 as to these fact -- metabolic factors, is that it is not  
17 uniform, the finding is not uniformly statistical  
18 significance, correct?

19 MR. MARCUM: It is not uniform, that is correct.

20 THE COURT: You know, Dr. Singh at some point says  
21 ASCOT doesn't exonerate Lipitor, okay? You know, he uses  
22 that term exonerate. But we are not -- the case here is to  
23 determine whether there is data to support an opinion that it  
24 causes it, not -- we are not here offering opinions to  
25 exonerate anybody.

1 MR. MARCUM: I understand we have the burden.

2 THE COURT: Right. And we are not in the business  
3 of exonerating drug companies. That's not what we are doing  
4 here.

5 MR. MARCUM: I'm certainly not.

6 THE COURT: I haven't had any -- well, you know, I do  
7 have some cases -- not here, okay? This is not -- that's not  
8 the issue here. The issue is, as you say, it's the burden.  
9 And whatever the end is, the end is. I've just got to make  
10 sure we've got a reliable methodology, and I say reliable  
11 data.

12 We would agree with the fact that simply because  
13 SPARCL says there is a statistical -- statistically  
14 significant relationship between 80 milligrams of Lipitor and  
15 new onset type 2 diabetes does not necessarily mean that we  
16 would find the same thing at 40 or 20 or 10 milligrams?

17 MR. MARCUM: It does not necessarily mean that.  
18 But we have showed it to you before, and I can show it to you  
19 again today, that when you look at both SPARCL and TNT  
20 together, and when Pfizer did in 2009, they agreed  
21 unequivocally, unambiguously, that the -- Lipitor increases  
22 the risk of diabetes and that the risks of 10 and 80 were  
23 similar.

24 THE COURT: Okay.

25 MR. MARCUM: And you get there, Judge, if you look



1 at the risk difference between 80 milligrams and the placebo  
2 in the SPARCL study, and then you look at the risk  
3 difference, which is much tinier between 10 milligrams and  
4 80 milligrams in TNT, that conclusion easily follows.

5 THE COURT: Well, it's -- it's a sort of hypothesis,  
6 but --

7 MR. MARCUM: It's --

8 THE COURT: You know, actually Dr. Singh combined  
9 SPARCL and TNT.

10 MR. MARCUM: He does discuss them.

11 THE COURT: Then he doesn't. And he -- and he did  
12 some -- he was able to -- because I think TNT doesn't have a  
13 placebo group, a control group --

14 MR. MARCUM: That's correct. It's 10 milligrams.

15 THE COURT: He's trying to extrapolate certain data.  
16 And when he put them all together he did not have  
17 statistical significance, correct? Page 27 to --

18 MR. MARCUM: I don't recall that off the top of my  
19 head. But I know that even when Pfizer looked at 10 versus  
20 80 in the TNT study --

21 THE COURT: Well, I'm focusing on Dr. Singh right  
22 now. And I'm looking at whether -- he actually -- he  
23 actually --

24 MR. MARCUM: Bear with me one second.

25 THE COURT: Go right ahead. Take your time.

1           He actually did that very analysis you were talking  
2 about. He took TNT and SPARCL -- you know, I don't have the  
3 expertise to talk about whether his methodology of how he  
4 extracted that, I haven't heard a lot of criticism of it --  
5 but he took it, and which I thought -- assuming he used a  
6 good method, no one has really challenged it -- was pretty  
7 creative. He then concluded it did not have a statistically  
8 significant effect. The lower part of the confidence  
9 interval was below 1.

10           MR. MARCUM: Your Honor, could you point to me  
11 where you are in his report?

12           THE COURT: Sure. Page 28, line 4.

13           MR. MARCUM: Yeah. But again, though, Your Honor,  
14 this is a comparison of Atorvastatin 10 versus Atorvastatin  
15 80. This is similar to --

16           THE COURT: No, he tried to -- he extrapolated, he  
17 tried to convert it so you would have the equivalent of a  
18 placebo.

19           MR. MARCUM: I see what you are talking about. He  
20 found a hazard ratio of 1.25 and the confidence interval was  
21 .93 --

22           THE COURT: Correct. So he actually did the  
23 analysis that you talked about. If you took the data, he  
24 actually did it.

25           Now, you know, it's above my pay grade to figure out

1 the extrapolation of TNT data. But assuming no one has  
2 challenged it, he did it and he actually found no statistical  
3 significance in 10 milligrams.

4 MR. MARCUM: It is marginally nonsignificant, Your  
5 Honor.

6 THE COURT: Well, you know, that's not the way  
7 epidemiologists work.

8 MR. MARCUM: I think --

9 THE COURT: You know, you say, Oh, if we just had  
10 more people, oh -- but, you know, every study keeps -- you  
11 know, one of the answers -- you know, I think my friend Judge  
12 Vance had this recently in a case, and she talked about it.  
13 And she says, Yeah, I hear of the argument that if we just  
14 had more power, but the answer may well be, if you actually  
15 finished it, is that there really is not a statistically  
16 significant association. That that may really be the  
17 answer. And you just can't speculate.

18 So what I'm getting is a lot of people saying -- and  
19 actually, it's interesting, I now am confusing Singh and  
20 Quon -- but I think it's Quon that actually says, I think we  
21 need to do more studies. Fair question. But for him to  
22 come in my court and offer the opinion when you haven't  
23 studied, you don't know the answer, on the basis of a trend  
24 doesn't -- that's not the way -- let me tell you, that's not  
25 the way they do it when they are --

1 MR. MARCUM: With due respect, especially with  
2 regard to Dr. Quon, as the Court knows, his opinions are  
3 opinions he reached well before this litigation started based  
4 on his research with Dr. Koh and his co-authors. They are  
5 not litigation driven.

6 THE COURT: I mentioned it, so it's my fault. We'll  
7 get to him in a second, because I have -- I have now read a  
8 number of his articles; some which were not the centerpiece  
9 of y'all's discussion about this. And I have real concerns  
10 about inconsistency between his opinions here and what he's  
11 published. And I'll point those out to you. There won't  
12 be any confusion about them.

13 But let me finish with Dr. Singh, and then I'll move  
14 to Dr. Quon. So just to address the issue, in fact SPARCL  
15 and TNT, there was an effort by Dr. Singh to do apples and  
16 oranges and make them together as apples. So he did it. And  
17 when he did, he could not produce a statistically significant  
18 result at 10 milligrams.

19 MR. MARCUM: Yet he concluded the same thing that  
20 Pfizer had concluded back in 2009. I mean, that is an  
21 admission by Pfizer, Your Honor. I know it may not impress  
22 you, but --

23 THE COURT: We are talking about these e-mails.

24 MR. MARCUM: That's correct. Talking about the  
25 acknowledgement of the vice president of global medical

1       affairs over the cardiovascular unit at Pfizer that Dr.  
2       Waters was correct when he said unambiguously Lipitor  
3       increases the risk of diabetes and that the risks of 10 and  
4       80 are similar, setting aside the science or the methodology.  
5       And that wasn't a hypothesis. They had looked at an analysis  
6       of the data at that point, Judge.

7               I apologize. I'm going through water like Marco.

8               THE COURT: I was about to say, you and Mr. Rubio  
9       may be getting in a wrestling match over water.

10              MR. MARCUM: I'm not sweating as much.

11              THE COURT: No. Let me turn, if we might for a  
12      moment, to Dr. Quon.

13              I know Dr. Singh -- I understand Dr. Singh's  
14      methodology. You know, in his original report he follows an  
15      understandable methodology. I read and re-read his  
16      deposition and report, Dr. Quon, I could not discern what  
17      methodology he used.

18              MR. MARCUM: Well, Your Honor, the reference guide  
19      on scientific evidence acknowledges that the causality --  
20      type of causality assessment that he's doing doesn't have a  
21      cute name or a discernable methodology. This is the  
22      application --

23              THE COURT: But he's --

24              MR. MARCUM: -- of his training --

25              THE COURT: He's got to have -- I don't care about

1 what name it has, and I don't care that it's not the Bradford  
2 Hill, none of those things concern me in the slightest. But  
3 it's got to be a reliable methodology. It's got to be a  
4 methodology that I can understand that uses standards that  
5 have some integrity. And let me just -- let me stay on this.  
6 You call it the weight of evidence methodology.

7 MR. MARCUM: I actually didn't call it that; Pfizer  
8 called it that.

9 THE COURT: Whatever it is, that term has been used.  
10 But I don't care about the titles, okay?

11 And -- but my question is: What does that --  
12 whatever he uses, I'm game with you that Bradford Hill is not  
13 the exclusive method to prove causation, but what method does  
14 he use?

15 MR. MARCUM: He's using the method that any author  
16 writing a review paper would use --

17 THE COURT: Hold on.

18 MR. MARCUM: -- Your Honor.

19 THE COURT: What is a review paper?

20 MR. MARCUM: A review paper is a paper written,  
21 published in a peer-reviewed journal, where scientific  
22 authors review the available evidence, whether it's clinical  
23 trial evidence, whether it's observational studies or any  
24 other kind of epidemiological data, and they use their  
25 scientific training and judgment and draw conclusions from

1 what they reviewed. This is from the records on scientific  
2 evidence.

3 THE COURT: Believe me, I'm familiar with it, but  
4 the question is: You are saying -- so he's doing a  
5 literature search?

6 MR. MARCUM: He did do a literature search, I think  
7 both times with respect to his reports, although obviously  
8 he's limited the second time around.

9 THE COURT: You know, Dr. Quon gets dinged pretty  
10 good in his deposition for having not addressed conflicting  
11 data. And he's pressed on that. And he says: "Well, I  
12 only put the stuff in that supports my view." That's what  
13 he says. He says: "That's what I do. I'm trying to do the  
14 stuff, and if it doesn't support my view, I don't use it."  
15 That is not the way review papers are done.

16 They are -- in fact, if you look at Dr. Koh and Dr.  
17 Quon's literature search review paper, they do, in whatever  
18 it is, 2013, they -- 2011, I'm sorry -- they -- they actually  
19 discuss conflicting data.

20 MR. MARCUM: They do. And I think with respect to  
21 what he said in his deposition, what he said was, I put in  
22 the papers what I thought were important. And again, this  
23 second round of reports was guided by your CMO. And I know  
24 we got the issue of Dr. Roberts putting in an extra article  
25 that she found and citing a review paper, but they were told

1        what they could look at, Your Honor.

2                THE COURT: Well, this is a different issue here.  
3        And that is, he -- he -- you know, one of the areas in which  
4        there is a grave concern about experts, and this is an area  
5        that gets -- is when they cherry-pick data. And, yes, you  
6        could put all the data in and then you could show a  
7        methodology in which you analyze and reconcile these findings  
8        to reach a conclusion. But if you only cherry-pick the  
9        studies that you like and you dismiss the rest as flawed  
10       without telling us why, that they are inconsistent with his  
11       views, contemptuous of them because they have a different  
12       conclusion, that's not a methodology I understand. That is  
13       certainly not a professional methodology that is used in  
14       which you basically tell one side of the story. And what  
15       struck me about the article, the 2011 article, was that in  
16       fact that's not what he did. He -- for instance, the  
17       insulin sensitivity issue, he clearly has, according to his  
18       own studies, a minority view on that.

19               MR. MARCUM: I don't think that's true. Again, I  
20       don't think that's true.

21               THE COURT: He cites nine articles.

22               MR. MARCUM: He does. He acknowledges the  
23       existence of those articles. But look at the conclusion of  
24       the paper. The conclusion of the paper is that Atorvastatin  
25       increases the risk of diabetes. Even in his 2010 paper,



1 which was specifically related to Atorvastatin, there is an  
2 acknowledgement early on in the paper that there have been  
3 conflicting results in some of these studies.

4 THE COURT: Well, my point is when he comes into  
5 this Court, what he -- he doesn't give -- he doesn't  
6 attempt -- I mean, you've got to have a methodology where you  
7 address the conflicting data and have a valid methodology for  
8 reconciling and explaining the inconsistencies. What he  
9 essentially does is comes in, picks the studies he likes and  
10 tells me that's his conclusion. That, Mr. Marcum, is not a  
11 methodology that meets *Daubert*. That is not a methodology  
12 that meets *Daubert*.

13 And now you talk about his studies. And let me tell  
14 you one which I was addressing earlier. He has offered the  
15 opinion that at 10 milligrams Lipitor causes diabetes. He's  
16 offered that opinion, correct?

17 MR. MARCUM: That is his considered opinion.  
18 That's what he believes.

19 THE COURT: Yet in 2013, he co-authors with Dr. Quon  
20 a study, an article, in which he recommends for treatment the  
21 use of low dose statins. That's his recommended treatment.  
22 And he does not disclose that opinion. He does not --

23 MR. MARCUM: That's because -- I think he would  
24 come into this courtroom and tell you that he would recommend  
25 for treatment low dose statins. I mean, you ask him what he

1 means by that, he's going to tell you, What I mean is  
2 Pravastatin because it's the lowest --

3 THE COURT: That's not what he says here.

4 And you are now saying that's what -- you are trying  
5 to fill in -- I'm telling you what he published to his peers,  
6 okay? His peer-reviewed article, he says -- and this is, for  
7 the record, Docket Entry 1441-1 at page 45 -- he says: "In  
8 patients with stable angina or in primary prevention, low  
9 doses of statins or metabolically safe statins are  
10 recommended." He distinguishes. Because he had talked  
11 earlier about these others. And --

12 MR. MARCUM: And that is 100 percent consistent  
13 with his opinion that 10 milligrams of Lipitor --

14 THE COURT: Is 10 milligrams low dose?

15 MR. MARCUM: Well, Lipitor, you are getting into  
16 some weird areas, because Lipitor is a high potency statin.

17 THE COURT: He uses this as low dose.

18 MR. MARCUM: He says low dose, but he would say --

19 THE COURT: But my question is this: You are  
20 telling me that he thinks, he's given this considerate  
21 opinion in 2015 to this Court, or 2016 --

22 MR. MARCUM: Which he held in 2010, well before  
23 this litigation, Judge.

24 THE COURT: Okay. But he's telling the peers to use  
25 this medicine, use this medicine to treat a metabolically

1 stable person. I mean, a primary prevention. He's saying  
2 for primary prevention, use this medicine. He comes here and  
3 tells me that very therapy causes diabetes and he fails to  
4 disclose that opinion when he's making that recommendation.

5 Mr. Marcum, isn't that the very thing the plaintiffs  
6 claim the defendant has done?

7 MR. MARCUM: He's disclosed that opinion in  
8 countless other papers, Judge.

9 THE COURT: Listen --

10 MR. MARCUM: His job in that paper was not a  
11 failure to warn case, okay? That's what we are talking about  
12 here. He would tell you --

13 THE COURT: No. He is recommending -- let me tell  
14 you -- he is recommending a therapy to his peers that he is  
15 coming to this Court and says causes diabetes.

16 MR. MARCUM: Correct.

17 THE COURT: And he has not said that 10  
18 milligrams --

19 MR. MARCUM: Well, in 2012, which is before he  
20 authored that paper, that warning is in the label, Judge.

21 THE COURT: He --

22 MR. MARCUM: With due respect --

23 THE COURT: Let me tell you something: If he  
24 thought -- and I know he has this whole discussion about  
25 different varieties of statins and some have carried a lower

1 risk, he has some theories about that.

2 MR. MARCUM: Correct.

3 THE COURT: And he has said the metabolically safe  
4 statin, we know what he's talking about, but he includes low  
5 doses of statins, or he's including, he is recommending,  
6 among others, 10 milligrams of Lipitor in this study while  
7 he's telling us a year later or two years later it causes  
8 diabetes.

9 MR. MARCUM: Again, he said it in 2010, Judge. We  
10 are -- that's not the point here, okay?

11 THE COURT: I'm going to find that that is  
12 inconsistent, and that he -- that he is taking an  
13 inconsistent view.

14 MR. MARCUM: It's absolutely consistent with his  
15 opinion, which is the lower doses, or the metabolically safe  
16 statins, which he believes Pravastatin is one of, that those  
17 are going to be your safest option.

18 THE COURT: Let me tell you something, if he had  
19 come in and said -- if he had come in and said that you  
20 should only use Pravastatin, if he had said that, that's my  
21 recommendation, that would be consistent with his opinion.

22 MR. MARCUM: I think this is consistent, with all  
23 due respect, Your Honor, okay? His opinion is the lowest  
24 dose carries the lowest risk. So if you have someone who  
25 needs a statin, obviously the choice is the lowest dose they

1 can handle.

2 THE COURT: Can you point me anywhere where he has  
3 offered the opinion, Dr. Quon, that 10 milligrams of Lipitor  
4 causes diabetes, other than in the report in my case?

5 MR. MARCUM: In his papers.

6 THE COURT: Show me where it says 10 milligrams  
7 causes diabetes.

8 MR. MARCUM: The ultimate conclusion of the 2010  
9 paper isn't dose specific, it's general. Atorvastatin  
10 increases the risk of diabetes.

11 THE COURT: His 2010 paper shows us there is no  
12 statistical at 10 milligrams.

13 MR. MARCUM: That's the way you view it and that's  
14 the way it looks at the individual dose. He has given  
15 reasons for that --

16 THE COURT: Let me just tell you, I've got real  
17 problems with Dr. Quon. I think he has a litigation-driven  
18 opinion that is different from what he has offered, because  
19 he has come in and recommended a therapy that is, he's  
20 telling us, causes diabetes.

21 MR. MARCUM: Your Honor -- pull up those ACC  
22 slides.

23 In 2013, the American College of Cardiologists, who  
24 put out these guidelines that basically each time they come  
25 out expand statin use for patients across the country in

1 their 2013 guidelines, nine times they also say statins are  
2 associated with an increased risk of diabetes.

3 THE COURT: And they --

4 MR. MARCUM: But they still think you ought, in  
5 some patients, to use them. That's not the debate we are  
6 having in this courtroom, Judge. That's the debate doctors  
7 and patients should be having.

8 THE COURT: But you see, you all want to conflate  
9 the high -- the documented problems at high dose with all  
10 doses.

11 MR. MARCUM: We firmly believe the problem exists.  
12 We are not trying to conflate anything.

13 THE COURT: And the data in 10 milligrams doesn't  
14 support it.

15 MR. MARCUM: We can argue it does.

16 THE COURT: And -- I understand -- and your expert  
17 tells me at 20 and 40 it doesn't either, if it doesn't at 10.

18 So the problem here is he is recommending a -- you  
19 would agree with me that his language here, "low dose statins  
20 or metabolically safe statins," that that would include 10  
21 milligrams of Lipitor. You agree with me?

22 MR. MARCUM: I don't know without reading the full  
23 article, and I confess, I don't know if I have or haven't.

24 THE COURT: It's in the record.

25 MR. MARCUM: But I would -- in my mind I would

1 think a low dose statin would be 10 milligrams of Lipitor.

2 THE COURT: Thank you.

3 MR. MARCUM: But again, I see no conflict in that  
4 conclusion and the opinions he's rendered in this case. I  
5 realize we can agree to disagree.

6 THE COURT: We agree to disagree.

7 Now, you agree with me that this discussion about  
8 insulin sensitivity in his report does not disclose the  
9 articles which show either no effect on insulin sensitivity  
10 or positive effect. He does not disclose that in the  
11 report.

12 MR. MARCUM: He discloses his actual review paper.

13 THE COURT: Well, right. And he doesn't discuss --  
14 I mean, he's offering an opinion to this Court and you say,  
15 Oh, well, it's in another piece he wrote and I should  
16 incorporate that by reference. That's not the way you come  
17 in here. You are offering an opinion, you address the  
18 inconsistent evidence, you reconcile it and you offer that  
19 opinion. If you use a valid methodology, a minority view,  
20 that's okay. But he's got to have -- he doesn't do that.  
21 He basically goes, he just says, that's because I said it.

22 That's what I'm getting here. And it's not -- it's  
23 not a method -- it's not a literature search, it's not a  
24 weight of the evidence, it's not a totality, because all of  
25 those, you take all of the evidence -- now that's not

1 normally done and there is -- most cases you are going to  
2 require to use a more -- the standard epidemiology -- but  
3 there is certain circumstances where you can use different  
4 methods, I recognize that, but it doesn't -- it's not an  
5 excuse to do ipse dixit. I mean, that's just not an excuse.

6 MR. MARCUM: Again, I respectfully disagree that  
7 that is what it is.

8 THE COURT: Now let's talk about Dr. Roberts for a  
9 second. You know, I issued an order and I said, I want a  
10 discussion dose by dose. I wasn't ambiguous about that, was  
11 I?

12 MR. MARCUM: You weren't to me, Your Honor. But  
13 with due respect, I don't think you could read Dr. Roberts'  
14 report and not understand what she's saying. And I realize  
15 it's not structured the way the Court asked that it be  
16 structured.

17 THE COURT: Well, it was because I thought it needed  
18 to be individualized by dose. I know you don't agree with  
19 me, Mr. Marcum, I know the plaintiffs don't agree with me,  
20 that's fine. You have every entitlement not to agree with  
21 me, but you do have a duty to obey what I tell you to do,  
22 okay?

23 MR. MARCUM: And I always endeavor to.

24 THE COURT: And, you know, I was tempted -- I was  
25 tempted just to strike her report because I thought it did



1 not follow the instructions of this Court. But I've got to  
2 tell you, once I got into it, I couldn't figure out what her  
3 methodology was.

4 MR. MARCUM: Again, Your Honor, she's doing a  
5 review just --

6 THE COURT: Well, doing a review, she couldn't even  
7 figure out where she got the articles from. It's obvious  
8 y'all gave them to her. I mean, she couldn't figure out, she  
9 couldn't explain, she said, I don't do searches.

10 MR. MARCUM: She actually did do searches, but I  
11 didn't give her the article that she put in there.

12 THE COURT: I don't know how she got her articles,  
13 but she doesn't do a thorough -- there is the same problem  
14 there. There is all this data out there. And, you know,  
15 it's conflicting. I mean, you've got -- and particularly  
16 conflicting with the opinion of that 10 milligrams. And to  
17 say, I'm just not going to discuss it is a way to avoid the  
18 problem -- the inherent problems.

19 MR. MARCUM: With due respect, Your Honor, you told  
20 her what articles she could review in the CMO with the one  
21 exception, that's what she did.

22 THE COURT: And I'm okay. I read the Mansi  
23 article. I mean, but I wasn't going to send y'all on a whole  
24 new -- I was trying to keep y'all from starting all over  
25 again. It was entirely proper and you should rely on the

1 studies you had and not to reshuffle the deck again because  
2 the first time didn't work. I wasn't trying to do that. I  
3 gave y'all -- you know, I felt there were real problems in  
4 your presentation. I gave you another chance to come out.  
5 And I wasn't having you start all over again. This wasn't a  
6 reset button.

7 MR. MARCUM: I understand. We didn't have time to  
8 start over again.

9 THE COURT: It was an effort to give y'all every  
10 opportunity to prove your case. That was my effort there.  
11 And I've taken the responsibility to this MDL very seriously.  
12 It's not a single case, you know, and I have done things that  
13 have caused your opponents a lot of heartache regarding  
14 discovery decisions and other decisions because I think that  
15 under the circumstances that the plaintiff ought to have  
16 every opportunity to prove, to make its case in every way  
17 possible. And I tried to do that. I know that --

18 MR. MARCUM: To be clear, we and our experts took  
19 it just as seriously.

20 THE COURT: Well, not Dr. Roberts, but the rest of  
21 them did.

22 MR. MARCUM: Well, we think Dr. Roberts did, as  
23 well.

24 THE COURT: Well, I couldn't discern -- you know,  
25 the rigor that I wanted, I wanted to say, okay, at 10

1 milligrams here is the data, here is how we are going to  
2 reconcile it. Dr. Singh actually, you know, does that,  
3 okay? I mean, he does at least try to use a methodology that  
4 is recognized, and he -- he -- there is just -- the problem  
5 is the data doesn't support his opinion, it just doesn't, Mr.  
6 Marcum. And at 20 and 40 -- you know, I'm not the  
7 epidemiologist, he is -- he says he can't make the case  
8 without 10. Okay. That's fine. I don't -- whatever his  
9 conclusion is is his conclusion, I don't have a dog in that.  
10 I think there is plenty of data at 80 to support his  
11 conclusion.

12 I go to Dr. Quon. I can't figure out -- I can't  
13 figure out what his method is. I don't -- I just can't  
14 figure it out and --

15 MR. MARCUM: His method is applying his scientific  
16 judgment to the epidemiological evidence.

17 THE COURT: Not in a way that is -- that I find -- I  
18 mean, if you are going to do essentially a literature search,  
19 you are going to take the data and put it -- you put it all  
20 in there. I mean, he has only the favorable data.

21 MR. MARCUM: Neither your order or our timing gave  
22 us the luxury of a do-over or a literature search, as you  
23 yourself acknowledged.

24 THE COURT: There is data right in the record. I  
25 mean, there is -- he had every opportunity. There is plenty

1 of data. It may not reach the conclusion he wants, may not  
2 reach the conclusion, but there is plenty -- I mean, you guys  
3 have had enormous time to do this. And to go back and start  
4 over again, no, we are not doing that. But I wanted it --  
5 you had -- I mean, y'all -- how many documents have been  
6 produced in this case? God knows. I mean, it's not like  
7 you guys haven't had a chance.

8 MR. MARCUM: I lost count.

9 THE COURT: And, you know, I could have just tossed  
10 general causation, but I gave y'all another chance to do it.  
11 Now you are criticizing me for not letting you do it over  
12 again.

13 MR. MARCUM: It's not a criticism, Your Honor, it's  
14 a response to the criticism of our experts who we think did  
15 use reliable methodology and marshaled and answered the  
16 questions you asked.

17 THE COURT: It didn't seem to me to be that hard.  
18 That is, okay, you have this opinion that generically it  
19 causes it. I think with SPARCL that it certainly at some  
20 level it does. I mean, I don't think the defendants agree  
21 with me on that, but I think there is --

22 MR. MARCUM: They don't. But the ADA agrees with  
23 you, the ACC agrees with you. That's not the debate  
24 happening outside of this courtroom.

25 THE COURT: Obviously, how much below 80 does it go?

1 That was my question. Where does it go? How far does it  
2 go? And I wanted to give your folks a chance, taking the  
3 data they've already done, and tell me that, and not try to  
4 start the litigation over, not to start the discovery over  
5 again, no new experts, don't start bringing in new studies.  
6 You know, I didn't want -- we weren't going to do that again.  
7 But I wanted to give them a chance to squarely address it  
8 within the context of my concerns.

9 And I will say that at least Dr. Singh and Dr. Quon,  
10 for whatever, did address it dose by dose. And, you know,  
11 among the things I've got to decide is whether they have a  
12 method that is valid and reliable and whether there is data  
13 to support their opinions. Those are my questions.

14 MR. MARCUM: Sure.

15 THE COURT: Now, I've kept you on kind of a tight  
16 rope here. I know you have --

17 MR. MARCUM: You have.

18 THE COURT: Of course I want y'all to know every  
19 time somebody brings in a PowerPoint, my staff breaks into  
20 laughter, okay?

21 MR. MARCUM: That's why I made a very tiny one.

22 THE COURT: There is this hilarity in the  
23 courthouse.

24 MR. MARCUM: Mine might be 20 slides.

25 THE COURT: Nobody has ever gotten through a

1 PowerPoint with me.

2 MR. MARCUM: I didn't expect to show you maybe but  
3 one, and we'll hand it up at the end of the day.

4 THE COURT: By the way, my clerks value the things,  
5 and they frequently will bring in and put a stamp and I'll  
6 look at it. In fact, you gave me one one time that was very  
7 important, I used it in specific causation.

8 MR. MARCUM: I'm the one that showed it to you.

9 THE COURT: I'm sure your colleagues said thanks,  
10 Mr. Marcum, that is great.

11 But I want to hear -- I have some questions for the  
12 defendant, and then I want to give you a chance to reply to  
13 them, okay?

14 MR. MARCUM: That's fine.

15 THE COURT: Is that fair enough? Thank you very  
16 much.

17 MR. MARCUM: Thank you, Your Honor.

18 MR. CHEFFO: I guess I'll leave my PowerPoints.

19 THE COURT: Boy, what a subtle hint that was, huh?

20 MR. CHEFFO: Somehow I'm not surprised. We've  
21 learned that lesson. We will leave these, though, because  
22 they are helpful.

23 THE COURT: Let's go to Dr. Singh and 10 milligrams.

24 Tell me -- you know, the argument is, is that, yes,  
25 it's not statistically significant, but there is a trend.

1 Its incidence is higher than 1, but it's not statistically  
2 significant. But at higher doses it is statistically  
3 significant.

4 So why is that not good enough, Mr. Cheffo?

5 MR. CHEFFO: Sure, Your Honor.

6 I think, first of all, you know, it's a trend that  
7 doesn't really exist, you know, for the reasons I think you  
8 were discussing with Mr. Marcum. I mean, we have, you know,  
9 an ASCOT, we have a study. And then the plaintiffs have  
10 spent a lot of time essentially saying let's wipe all this  
11 away, which was not --

12 THE COURT: Not long enough, it's --

13 MR. CHEFFO: It's not long enough.

14 THE COURT: -- use adjudicated data, all these  
15 things.

16 MR. CHEFFO: Right. So, you know, we don't think  
17 that is a fair criticism. And obviously, it's a  
18 peer-reviewed study, no study is perfect, obviously, but it's  
19 certainly something we have.

20 They have also kind of conceded, as I think they  
21 need to, that they have the burden here. So you say you  
22 can't really get over ASCOT, they haven't done that. Then  
23 what else is it? Then they, by everyone's concession, there  
24 are no studies. I mean, you know our view. And I think  
25 frankly our view, Dr. Gale and Dr. Singh's view, that

1 observational studies alone can't produce -- they can't show  
2 causation.

3 THE COURT: Let me say this: Not only does it  
4 not -- is his opinion it doesn't show it, even with other  
5 things, it's not good enough.

6 MR. CHEFFO: Correct.

7 And then he says -- you know, we can go kind of  
8 point by point, I call them the four C studies -- but I think  
9 in the deposition you read, he said, I'll go one further, you  
10 could put Cederberg, you can put Chen, you can put Culver,  
11 you could put Carter together, you could put all four of  
12 those together --

13 THE COURT: They said they are not good enough.

14 MR. CHEFFO: Don't show causation.

15 And then you have these kind of what we'll call  
16 argued biological plausibility resistance, which frankly  
17 everybody also says, and I think Dr. Singh specifically says,  
18 at best, you know, at best they are interesting. No one is  
19 suggesting -- we are not saying that you shouldn't do these  
20 studies, but they don't lead to causation.

21 In fact, Dr. Singh says they are at best hypothesis  
22 generating. So if we are talking about -- to answer your  
23 question, we have -- this isn't even a little bit of weight  
24 over here, a little bit of weight over here. We have zero on  
25 this side, and we have a bunch of stuff that some of it they



1 criticize.

2 THE COURT: Every time we have gotten -- I mean,  
3 it's not like -- ASCOT is not there by itself. There are  
4 actually -- you know, one time they say if you don't have  
5 enough power, enough people in your study, sometimes you use  
6 meta-analysis to do that. Well, it's been done. Same  
7 result. And then you say, Well, we'll do an observational  
8 study, maybe it will alert us that maybe that clinical trial  
9 was off base, and sometimes we'll do that and we'll go back  
10 and revisit. Same result.

11 And then these metabolic markers, which everybody  
12 admits are not perfect, but may at least indirectly be  
13 interesting, produce the same pattern. It's odd. It seems  
14 to me to help validate the thing a bit. At 10 milligrams  
15 you don't have statistical significance in them, other  
16 than -- I thought one of them was the glucose rise, it was  
17 like did not affect it, you know, which --

18 MR. CHEFFO: I know there is a bunch of Koh studies.

19 But the one I thought was particularly interesting  
20 where there is eight of nine. And basically if you look --  
21 you know, the one that he wants to draw a conclusion from is  
22 in the middle, which talks about insulin sensitivity  
23 decreased. But there is five that say no change, I think, or  
24 four, and the other ones actually show benefit.

25 Now, you don't hear us coming in and say, Well, look

1 at that, Judge, that shows we should get a label changed to  
2 show that this increases -- you know, it's going to stop  
3 people from getting diabetes. They are interesting but they  
4 have a place in science.

5 THE COURT: But see, my problem with the way Dr.  
6 Quon used that was he didn't say, I have an opinion, I'll  
7 recognize it's a minority. You know, Mr. Cheffo, just  
8 because it's a minority view doesn't mean it's wrong. He  
9 could be right.

10 And one of the advances of *Daubert* is to say, just  
11 because you are not the majority view doesn't mean you get  
12 thrown out of court, okay? I mean, you get a fair -- if you  
13 use valid methodology, that's a jury question, okay? There  
14 is enough data for it, that's a jury question.

15 But when he comes -- Dr. Quon comes in, he doesn't  
16 discuss the fact that he's a minority. He doesn't say why  
17 those four studies that show it's a benefit. He doesn't  
18 even address the fact that he himself said it was a benefit  
19 at an earlier time, okay? None of that is addressed.

20 And y'all asked him about that. You said, Why  
21 didn't you do that? And he says, I only put the things in  
22 there that support my view that it causes diabetes. That  
23 doesn't invoke a lot of confidence in me.

24 MR. CHEFFO: As you read, he got a good deal  
25 frustrated by some of those questions.

1 THE COURT: Yeah. I mean, it's just, you know, the  
2 experts got -- the value of the expert to us -- and the only  
3 thing I will -- I mean, I could count on one hand the experts  
4 before this case I've kept out. I mean, I'm kind of a light  
5 touch on *Daubert*. But there is a responsibility to have an  
6 opinion that actually has support and uses a valid  
7 methodology. I never -- I have always thought of all the  
8 plaintiff's experts Dr. Singh was the more serious guy.  
9 I've always said that. And I was very interested in his --  
10 of his work by dose. And I've got to say his discussion at  
11 10 milligrams left me very confused, left me profoundly  
12 confused how he could do that because his own -- you know,  
13 the data goes exactly the opposite direction.

14 MR. CHEFFO: Well, I think we had the same reaction,  
15 Your Honor.

16 And I think the one -- you know, in fairness to Dr.  
17 Singh -- and I think you discussed this with Mr. Marcum  
18 earlier -- what he then did say was, essentially this is a  
19 cascade, right? You know, if you don't -- here is my view on  
20 10, but if you don't agree with me on 10, I don't have  
21 anything on 20 and 40, I think the plaintiffs -- indulge me  
22 in one slide. If I can have slide four?

23 THE COURT: I think you have that one-slide rule.  
24 Mr. Marcum got that one slide.

25 MR. CHEFFO: It can help me. It's in front of me.

1 You can take a look.

2 And when I went through -- and as usual, Your Honor,  
3 I think you preempted much of the 50 slides that we had  
4 here -- but, you know, I tried to identify, at least in my  
5 own mind, what were the things that could answer the question  
6 for the Court today, right? You gave them a time. We had a  
7 difference of view as to whether they should have gotten it.

8 THE COURT: You about had a heart attack when I let  
9 them do that.

10 MR. CHEFFO: That's true.

11 But I also think you can kind of quickly move past  
12 that. And the plaintiffs said, you know, We can do this at  
13 10, 20, 40 and 80. And you said, Okay, I'm going to give you  
14 an opportunity. And it really hasn't turned out that way.

15 Because I think we start with Quon and Gale say you  
16 need clinical trials, of which there are none. And then you  
17 have Dr. Singh that talked about you look at all four and we  
18 don't get past go. Then they say there is no clinical  
19 trials that show a statistically significant increase at 10,  
20 20 or 40. In their brief they say 20 and 40 is sparse. And  
21 then again, I guess to me the penultimate is you can't get --  
22 we'll talk about 80, I know you are going to have some  
23 questions about that, and I understand I have a higher hill  
24 to climb with respect to 80 -- but if you will give me a few  
25 minutes we can discuss that. But at least as to 10, 20 and

1 40, I think where we are right now is having a full and fair  
2 opportunity, the plaintiffs have said, Here is our best shot,  
3 you know, we know you may disagree, but if we can't get past  
4 10, we can't get past 20 and 40.

5 THE COURT: I find the assumption that if it's  
6 statistically significant at 10 and at 80, then if you have  
7 no data in between or not sufficient data standing alone,  
8 then perhaps the fact that you have bookends, there might be  
9 a reasonable scientific judgment that you would have 20 and  
10 40. I don't find that a crazy idea in the absence of, you  
11 know, just because there are studies and some cases that say  
12 that, just because there is no clinical trial doesn't mean  
13 the defendant automatically wins. I mean, you look to other  
14 data. What -- so 10 milligrams is like important. And I  
15 did wonder would Cederberg with the other, you know, indirect  
16 data be enough, didn't know. Dr. Singh tells me no, not  
17 enough. Not enough.

18 MR. CHEFFO: Cederberg, as you know, has a  
19 negative --

20 THE COURT: Right.

21 MR. CHEFFO: Even if you were to look for some  
22 guidance, it doesn't help you on 10.

23 THE COURT: Right. You know, I had no idea would  
24 Doctor -- I had a question in my mind would Dr. Singh take  
25 Cederberg and some of the indirect data from Koh and others

1 showing statistical evidence in some of these metabolic  
2 markers and say, My opinion is based on this and go through  
3 the Bradford Hill and tell me. I didn't know. I thought  
4 that might happen. Didn't happen. He has been pretty  
5 consistent, observational studies aren't enough, and he  
6 doesn't say they don't matter. Again, I don't care what the  
7 conclusion is. I don't have a dog in that fight. I just  
8 need methodology and he was consistent about that.

9 So we all -- we are kind of drilled down to 10. And  
10 when you think about it, you have the full panoply of  
11 studies: You have a clinical trial, you have an  
12 observational study and you have a meta-analysis. And then  
13 you have indirect markers: HbA1c, insulin sensitivity,  
14 you've got a number of -- all follow the same pattern of  
15 nonstatistical significance until you get to 20 milligrams.  
16 And to then come in and say to me, trend, they don't do that  
17 in their business, okay?

18 Now, it's a hypothesis. I think it's a -- it might  
19 be a reason you would go do a study, but it's entirely  
20 speculative what the result is. Because all the studies  
21 thus far have reached a different conclusion, right? I mean,  
22 so how do you get that?

23 Now, let's talk about the 80 milligrams. Now, let  
24 me just lay out to you why -- I mean, I think Dr. Singh  
25 uses -- you know, he uses the Bradford Hill. He has a

1 statistically significant finding with SPARCL. It's not a  
2 perfect pool, you know, it's a kind of people just had a  
3 stroke. There is in the same sort of class of drugs, a  
4 Crestor study, the equivalent, it has a similar result.  
5 There are these markers that show fairly consistently at  
6 80 milligrams statistical significance with these biological  
7 markers. And, you know, to me is there an argument on the  
8 other side? Sure there is. And I just raised some of the  
9 things. But I would let a jury decide that, you know? I  
10 let them sort it out. Because I think there is enough data  
11 there to get across and I am comfortable with his methods of  
12 doing it. And the exercise of that discretion, I think, is  
13 uniquely within his expertise as an epidemiologist.

14 What I'm bothered with on the others is just the  
15 opposite, the lack of data. Actually, the data showing to  
16 the contrary.

17 MR. CHEFFO: Um-hum.

18 THE COURT: And so I feel frankly, Mr. Cheffo, as  
19 strongly about the plaintiffs carrying their burden at -- of  
20 the -- of the experts establishing sufficient methodology, at  
21 least Dr. Singh and data at 80, I feel as strongly about that  
22 as I do about the 10.

23 MR. CHEFFO: And you've -- you know, you've made  
24 that point, and we certainly appreciate, you know,  
25 understanding that. And I think, you know, both sides, I

1 think have, you know, have tried, because of our regard for  
2 the Court, respect, you know, it would be disingenuous for me  
3 to stand up and say the level of proof at 80 is the same and  
4 you should look at them the same. Just like we said that  
5 there is differences amongst the experts. So we recognize  
6 that.

7 And we recognize that, you know, kind of where Your  
8 Honor seems to be and that we have a hill. Having said  
9 that, just the quick responses, I guess, are that our view  
10 is -- you know, we -- and I think the company actually  
11 believes this, this wasn't a throwaway, let's just throw  
12 everything -- and the reason why I think we've kind of moved  
13 on these is really when you look at SPARCL, right? And Your  
14 Honor I think focused on this at one point when we were  
15 talking about potential trial picks, right? You know,  
16 because, first of all, it is a different population. That  
17 doesn't mean excluded, but it is different, folks that had  
18 strokes. You know, the finding becomes one where you have  
19 80 milligrams with people with multiple risk factors and, you  
20 know, and those aren't just people with multiple risk  
21 factors.

22 THE COURT: 80 milligrams has statistical  
23 significance. The fact that the one with four risk factors  
24 was actually over two, the -- that the hazard ratio was  
25 actually over two which made it more likely than not. And my



1 point there -- and Mr. Marcum had pointed out to me -- he had  
2 more than two, which I frankly hadn't noticed. And that then  
3 led me to say, well, that might be a method by which the  
4 deficiencies in the plaintiffs' specific causation testimony  
5 might be solved? That me might have --

6 MR. CHEFFO: Sure.

7 THE COURT: It would be more likely than not that  
8 their data actually reached that.

9 But I think what we discovered that while in theory  
10 that might be an interesting way to get a trial -- and I  
11 wanted to try one of these cases for a bellwether -- when we  
12 got down to reality, we just didn't have anybody who seemed  
13 to actually exist who met the SPARCL profile, right? I mean,  
14 when we finally got down to it.

15 MR. CHEFFO: That's right.

16 THE COURT: So the best laid plans of mice and men,  
17 it didn't happen. But I wanted to give the plaintiffs a  
18 chance to try a case if we could. If they could get over the  
19 threshold of *Daubert*, I wanted to give them, afford them the  
20 opportunity to try one of these cases.

21 And what they've told me, Mr. Hahn has been very  
22 straight up about this, he said, I just, you know, we don't  
23 have a plaintiff that can meet that standard. Fair enough.  
24 I mean -- and, you know, Mr. Cheffo, we are going to have to  
25 deal with sort of where are we going from here? What does

1 all this mean? I felt a need to do both general causation  
2 and specific causation. And we've got a number of orders to  
3 be issued still on both and several other issues.

4 But, you know, I issued an order in which I said,  
5 Listen, I have been told by lead counsel that if the *Murphy*  
6 order stands, standard stands, they can't meet -- they can't  
7 meet the -- they can't offer testimony that would survive  
8 *Daubert*.

9 And I -- I didn't want a situation down the road  
10 where another counsel, perhaps one not even on the steering  
11 committee said, you know, plaintiffs' counsel, they are a  
12 bunch of cowards, I want to try one of these. So I issued  
13 an order that said, if you disagree with lead counsel, come  
14 forward with your case, but by the way, you need to be  
15 prepared to name your experts and we are going to go through  
16 discovery, and my understanding is we didn't get a response.

17 Is that right?

18 MR. CHEFFO: I've not seen any.

19 THE COURT: I hadn't seen any. And surprise. I  
20 mean, I have nothing but the greatest respect for Mr. Hahn's  
21 work in this case and I wasn't surprised that when they  
22 got -- when the rubber met the road they wouldn't -- they --  
23 no one would really challenge that conclusion. I don't  
24 think he reached it easily or casually.

25 So where does it lead us? Where are we heading

1 here?

2 MR. CHEFFO: I have a thought on that if you would  
3 like to hear it.

4 THE COURT: I would love to hear it.

5 MR. CHEFFO: I would also might like to buy a vowel  
6 and put up a slide.

7 THE COURT: You used up your -- unless Mr. Marcum  
8 has got one in his hip pocket, you don't get another one.

9 MR. CHEFFO: In all seriously, if I take it,  
10 obviously for this is my thought on maybe a process -- and  
11 again, I don't mean to be presumptuous, so I have to make  
12 some assumptions based on a process that might make sense.

13 First is it seems to me that you have a potential,  
14 or you have a summary judgment motion on specific causation  
15 based on that. Then what you would do -- and let's just say  
16 for argument's sake you were to find on 10, 20 and 40 that,  
17 you know, their experts couldn't get past, but you were to  
18 find something different on 80.

19 You then essentially have -- you issue those orders.  
20 I don't think there would be a lot of disagreement, though I  
21 don't want to speak for them, we would do an Omnibus summary  
22 judgment motion on both grounds. It would be on specific  
23 causation. We work together and say, Here is the folks from  
24 the pool who we believe are 10, 20 and 40, give you that list  
25 so your staff doesn't need to go through all that. And then

1 you would basically have a situation where the PSC could  
2 file -- to the extent that they wanted to, you know -- any  
3 opposition to that. And you might even have a situation  
4 where people can file something different if they wanted to,  
5 just to make sure if there was something. I would be  
6 surprised if you saw anything, but again, so there is no  
7 issues of that.

8 Then the benefits of that, I think for everybody, is  
9 certainly the circuit would be, you know, you wouldn't have  
10 to, you know, have hundreds or thousands of records.  
11 Everybody could brief it and you would still give people an  
12 opportunity, if they wanted, to have it separate. But then  
13 essentially all of that would go up and it could be kind of  
14 column A and column B.

15 THE COURT: You know, I have wanted -- you know, one  
16 could argue that if I reach the conclusion that specific  
17 causation could not be satisfied, that we just close it down  
18 at that point, but we have done a lot of work in this case.  
19 And I thought it was important to address general causation.  
20 In the event there was an appellate court disagreement as to  
21 the Court's view on specific causation, we wouldn't have to  
22 ramp up again just to address general causation, and y'all  
23 would have an opportunity on appeal to address both issues.  
24 The appellate court might say. Before we go into general  
25 causation, we are going to address specific. That may be

1 their own strategy. And these are complicated questions.  
2 That's for another court to decide.

3 MR. CHEFFO: I agree.

4 Our view -- again, I don't want to speak for the  
5 plaintiffs -- but the idea -- if I was them, you know, the  
6 idea of getting up and even if I was kind of successful and  
7 then coming back and spending another year on appeal and  
8 briefing, it seems that's not in anyone's interests.

9 And I think, frankly, to the extent that -- you  
10 know, your orders, as you know, obviously are not necessarily  
11 self-effecting, right? So if you issued an order saying, you  
12 know, I find X on 10, 20, 40, that is just the predicate for  
13 a summary judgment motion. So the motion that would go up  
14 would actually have all of those issues.

15 THE COURT: Correct.

16 MR. CHEFFO: And you could also have efficacy, and  
17 depending on --

18 THE COURT: We are intending to issue orders on all  
19 of those issues.

20 And let me say this: I am mindful, you know, that  
21 in addition to the many District Courts that have, you know,  
22 have referred cases, that have been referred here under the  
23 MDL, there are a large body of state court cases -- and of  
24 course, they may have different standards and so forth -- but  
25 a number of the state judges have communicated with me and

1 are, you know, anxious to see this Court's determination  
2 because a lot of them don't have the resources we have here  
3 to address these issues, and they have looked for help. And  
4 they've -- they communicate with me about when am I going to  
5 issue decisions because they are -- you know, it will help  
6 them.

7 And I do have an interest that we don't have this  
8 uncontrolled litigation expense on either side. And to the  
9 extent we can narrow and focus where the disputes are, it  
10 will allow -- you know, allow this issue, you know, to be  
11 addressed and in an efficient way.

12 Of course Rule 1 of the Federal Rules of Civil  
13 Procedure is a just, speedy and inexpensive determination.  
14 Sometimes we are not as speedy, though I've got to say, I  
15 think we have been as fast as any MDL.

16 MR. CHEFFO: My head is still spinning, Your Honor.

17 THE COURT: And I've tried to do it -- I think doing  
18 it this way has made it less expensive. I know your client  
19 resisted the MDL, but I suspect it saved enormous sums not to  
20 be litigating in dozens of venues at one time.

21 MR. CHEFFO: That's fair.

22 THE COURT: It would have been extraordinary, I  
23 mean --

24 MR. CHEFFO: There is no question about that, Your  
25 Honor.

1 THE COURT: I presume this is -- Ms. Boroughs, you  
2 are asking me this question here?

3 Does it matter of whether -- what Adair is raising  
4 with me -- does -- would we want to do a *Daniels* and  
5 *Hempstead* motion for summary judgment before we do an Omnibus  
6 motion for summary judgment?

7 Mr. Hahn, what's your thought about that?

8 MR. HAHN: Your Honor, I think we have a fair  
9 understanding of where you are heading.

10 THE COURT: Yes.

11 MR. HAHN: If you just ask for my wish list, I  
12 would ask that you issue your orders and then give us a week,  
13 perhaps, to provide a letter to the Court as to how we think  
14 it is best to go up; because yes, Your Honor, we do disagree  
15 with some of your --

16 THE COURT: Listen, I fully respect that. I don't  
17 take it personally.

18 MR. HAHN: It's a tricky situation, Judge. As you  
19 well know, we've got an MDL, we've got thousands of  
20 plaintiffs, we've got all sorts of issues. And I, quite  
21 frankly as I stand here, until I know exactly what your  
22 rulings are, I don't know the best way to handle it.

23 THE COURT: Yeah. And we are all sort of -- all of  
24 us are going into sort of a little bit uncharted territory  
25 here. I don't want to prompt you -- you know, one hesitancy

1 I would have -- I haven't given a lot of thought to this --  
2 if I rule in *Daniels* and *Hempstead*, it starts the appellate  
3 process; whereas if I do an Omnibus case, including we  
4 address them in there, then it's cleaner that y'all go up  
5 on -- you don't start briefing it while we are still arguing  
6 other issues. And I'm really trying to figure a way -- I  
7 mean, there are several discrete issues which plaintiffs take  
8 issue with the Court's ruling, I understand that. And I  
9 want to figure out a way that helps y'all and the appellate  
10 court to efficiently address those issues without being  
11 buried.

12 MR. HAHN: Yes, sir. We do, as well.

13 And just to be honest with the Court, one of the  
14 issues that we had and talked about, let's take *Daniels* up.  
15 If we take *Daniels* up, the Fourth Circuit might stop and not  
16 even talk about general causation. Well, then that was a  
17 wasted trip. So we don't know the best way to do it. So we  
18 would like to have the benefit of your orders and a little  
19 bit of time to think it through.

20 THE COURT: I want to consult with all of y'all and  
21 get your input.

22 My initial sort of thought about this is that an  
23 Omnibus order would probably put everybody on the same  
24 calendar, and then y'all may strategically -- and you may  
25 decide -- let me just say this: Any court reviewing this is



1 going to be immediately overwhelmed, right? The volume of  
2 this. You guys know more about this, and I've had the  
3 benefit of a couple years, I've had an extra law clerk, I  
4 mean, they are just doing nothing but this. And it -- it's  
5 fairly overwhelming. And y'all may want to strategically  
6 talk to the appellate court about doing this in some stages,  
7 so that you don't bury them, and pick out a couple of the  
8 issues that you think are really -- I mean, we kind of know  
9 where they are, I mean, right? It's the *Daubert* issues on  
10 specific causation. There are the issues about dosage.  
11 I mean, I know where the dispute points are, and I fully  
12 expected whoever didn't prevail on this would take it up. I  
13 didn't take this job thinking I wouldn't get my decisions  
14 reviewed. That's part of the process and I respect it.

15 Let's do think about -- I mean, I've tried not to be  
16 coy with y'all. I've tried to be candid about where my, you  
17 know, where my thoughts are. And I -- I did -- I know where  
18 I'm likely heading here is that I'm going to find that there  
19 is sufficient evidence to offer 80 milligrams but nothing  
20 less than that, and that would put me in the category of  
21 having both of y'all disagree with me. I'm going to be the  
22 minority of one on that. And maybe you will both end up  
23 appealing that, I mean, that's fine.

24 And I think -- I've tried, you know, in the *Daniels*  
25 and *Hempstead* cases, we are working through, but I think

1 y'all know that, at least on the issues of specific  
2 causation, you don't have an expert that can survive *Daubert*,  
3 and you don't have summary judgment, right? I mean, that's  
4 the answer unless you have got some other theory. I want to  
5 give y'all a chance to brief that.

6 But I think sort of we are cutting to the chase here  
7 where we are going. And I think y'all are entitled to a  
8 thoughtful and comprehensive order on that, so that an  
9 appellate court will have a full and ample basis to review  
10 the Court's decision on this.

11 So we are working actively on it, I'm telling you.  
12 We are in the middle of working the order on this and we are  
13 working on these other orders that are still outstanding.  
14 We have a series of experts to review and we are actively  
15 working on them all.

16 MR. HAHN: Does Your Honor have any timeline when  
17 we could expect the orders?

18 THE COURT: We are -- you know, it's hard to  
19 predict. Sooner, not later, okay?

20 MR. HAHN: Yes, sir.

21 THE COURT: And we are actively -- and we will -- as  
22 they are prepared -- we are actively working on general  
23 causation. I frankly had some issues I needed help addressed  
24 today, and Mr. Marcum helped me clarify, to make sure I  
25 understood. I thought I did, but he confirmed my

1 understanding of what those opinions were and are.

2 So I think the general causation is soon and the  
3 other orders are not imminent, but also in the foreseeable  
4 future. So we are fairly early going to have those. And,  
5 you know, my goal would be that sometime in the summer we  
6 would have arguments on summary judgment, okay? I mean, that  
7 is sort of where we are, and so y'all would be in a position  
8 to take up sometime late summer or so of these issues. That  
9 would be my goal. And frankly, the summary judgment issues,  
10 to the extent they overlap the *Daubert* issues, aren't that  
11 complicated, right? I mean, the complicated work has been  
12 done on the *Daubert*.

13 MR. HAHN: Yes. If the Court would indulge us, I  
14 know Mr. Marcum had a couple of points he wanted just to make  
15 a record.

16 THE COURT: I kind of cut him off.

17 Anything else further?

18 MR. CHEFFO: I'm done, Your Honor.

19 THE COURT: I want to hear anything else, Mr.  
20 Marcum.

21 MR. MARCUM: It's just one more very brief. It  
22 won't even have a slide.

23 Just with respect to the issue of Dr. Quon and the  
24 cherry-picking accusation, again, while he did not discuss  
25 those studies cited within his review paper, he cited his

1 review paper. His deposition testimony, I don't think is as  
2 simple as has been said. He actually testified that when he  
3 reviewed those studies in 2011, he thought they had various  
4 flaws. He didn't view his job as including flawed studies.

5 THE COURT: Basically he said I only put the studies  
6 in that supported my question.

7 MR. MARCUM: Actually, I disagree vehemently that  
8 that's what he said.

9 THE COURT: The record will stand for itself.

10 MR. MARCUM: Just one more time, for the record,  
11 after reviewing those studies in 2011 in his review paper, he  
12 reached the very same conclusion that he's offered to this  
13 Court. And that was one formed well before litigation and  
14 it's not result oriented.

15 THE COURT: Here is the simple question: Can you  
16 point to me anyplace he offered the opinion that 10  
17 milligrams of Lipitor causes diabetes, other than in the  
18 report in this case?

19 MR. MARCUM: In the paper -- the answer is no  
20 because in the papers that he authored, they were not  
21 discussing dose specifics as you requested they do in these  
22 expert reports.

23 THE COURT: Well -- the first part is he's never  
24 offered that opinion. And now you've given me an explanation  
25 why. But he's never offered the opinion. And in fact, he

1 recommended 10 milligrams Lipitor, among others, for  
2 treatment.

3 MR. MARCUM: Which is consistent with the opinions  
4 he's offered here, Judge.

5 THE COURT: Very good. Thank you, Mr. Marcum.

6 The hearing is adjourned.

7 \*\*\*\*\*

8  
9 I certify that the foregoing is a correct transcript from the  
10 record of proceedings in the above-titled matter.  
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15  
16 Amy C. Diaz, RPR, CRR

March 22, 2016

17 S/ Amy Diaz  
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