

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

UNITED STATES DISTRICT COURT
DISTRICT OF MASSACHUSETTS

)	
)	
IN RE: FRESINIUS GRANUFLO/)	
NATURALYTE DIALYSATE)	
PRODUCTS LIABILITY LITIGATION)	No. 1:13-md-02428-DPW
)	
)	
)	
)	

BEFORE: THE HONORABLE DOUGLAS P. WOODLOCK
UNITED STATES DISTRICT COURT JUDGE

- AND -

THE HONORABLE MAYNARD M. KIRPALANI
MASSACHUSETTS SUPERIOR COURT JUDGE
SUFFOLK COUNTY SUPERIOR COURT - CASE NO. 13-CV-3400

DAY THREE OF DAUBERT HEARING

John Joseph Moakley United States Courthouse
Courtroom No. 1
One Courthouse Way
Boston, MA 02210
Thursday, November 19, 2015
9:10 a.m.

Brenda K. Hancock, RMR, CRR
Official Court Reporter
John Joseph Moakley United States Courthouse
One Courthouse Way
Boston, MA 02210
(617) 439-3214

1 APPEARANCES:

2 ON BEHALF OF PLAINTIFFS:

3 KREINDLER & KREINDLER
4 By: Anthony Tarricone, Esq.
5 277 Dartmouth Street
6 Boston, MA 02116

7 JANET, JENNER & SUGGS, LLC
8 By: Brian Ketterer, Esq.
9 Justin Browne, Esq.
10 Commerce Centre East
11 1777 Reisterstown Road, Suite 165
12 Baltimore, MD 21208

13 SUGARMAN, ROGERS, BARSHAK & COHEN
14 By: Michael S. Appel, Esq.
15 101 Merrimac Street
16 Boston, MA 02114-4737

17 ON BEHALF OF DEFENDANTS:

18 COLLORA LLP
19 By: William H. Kettlewell, Esq.
20 Maria Durant, Esq.
21 100 High Street
22 20th Floor
23 Boston, MA 02110

24 FISH & RICHARDSON P.C.
25 By: Juanita R. Brooks, Esq.
Thomas M. Melsheimer, Esq.
Roger A. Denning, Esq.
12390 El Camino Real
San Diego, CA 92130

DOWD BENNETT LLP
By: James F. Bennett, Esq.
7733 Forsyth Blvd.
Suite 1900
St. Louis, MO 63105

ALSO PRESENT:
Ronald Castle, Esq.
Fresenius

25

1 (The following proceedings were held in open court
2 before the Honorable Douglas P. Woodlock, United States
3 District Judge, United States District Court, District of
4 Massachusetts, at the John J. Moakley United States Courthouse,
5 One Courthouse Way, Courtroom 1, Boston, Massachusetts, on
6 Thursday, November 19, 2014):

7 THE CLERK: All rise. This is MDL-13-02428, In Re:
8 Fresenius GranuFlo Litigation. Court is in session. You may
9 be seated.

10 JUDGE WOODLOCK: Well, from our perspectives together,
11 we wanted to explore a bit further the Colton and Zydney
12 matters in light of the back and forth, but also in light of
13 Judge Kirpalani's Memorandum and Order with respect to Daubert
14 matters. As I emphasized, of course, we will separately make
15 our own determinations about that, but I do not see any real
16 daylight between the treatment in Judge Kirpalani's Memorandum
17 and the way I am likely to treat both Dr. Lipps and Dr. Maddux.

18 I start with that by emphasizing that the state of the
19 play, at least in the initial briefing regarding Colton and
20 Zydney, was that Colton and Zydney were offered to rebut Lipps,
21 and nobody has challenged Sargent. So, I guess it is important
22 for us to know what the views of the parties are about Colton
23 and Zydney at this point. Have they taken on a life of their
24 own now, and, if so, how are we going to address it?

25 I certainly would not hold someone to their initial

1 strategic judgment about attacking Lipps with Colton and
2 Zydney. Now Lipps has been somewhat contained by Judge
3 Kirpalani's decision, which, as I have indicated, I think will
4 be coincident with mine. But maybe a way of talking about it
5 or understanding it is to understand how you plan on playing
6 out with Colton and Zydney and Sargent.

7 So, having framed it in that fashion, maybe you can
8 respond.

9 MR. KETTERER: Of course, your Honor.

10 Good morning, your Honors. Brian Ketterer on behalf
11 of the plaintiffs.

12 So, with that understanding in mind, your Honor, let
13 me sort of come at where the plaintiffs sit with this. The
14 purpose that you framed or that you set up with respect to what
15 the purpose of Colton and Zydney were initially is partially
16 accurate in the sense that there was a historical development
17 of the overall theory that is a centerpiece of the defense,
18 which is this idea that the delimiter is very important and, as
19 a result of having this delimiter, that you cannot exceed the
20 dialysate or the prescribed bicarbonate. I don't know that
21 that's necessarily so key to the plaintiffs' theory.

22 But one of the other issues that, of course, the
23 defendant takes issue with is how much acetate actually
24 transfers over from GranuFlo and how much of that acetate
25 metabolizes to bicarbonate. One of the things that they have

1 espoused over and over again, which is a difference between the
2 parties, is that, well, the amount of bicarbonate that
3 transfers over is not a 1-to-1 ratio, meaning that for every 8
4 milliequivalents per liter of acetate that does not necessarily
5 equal 8 milliequivalents of bicarbonate that's metabolized in
6 the patient; that there is a metabolization rate, and only some
7 of that will actually metabolize and add or contribute to the
8 bicarbonate value. From that standpoint, the plaintiffs don't
9 necessarily disagree with that basic construct. Not all 8
10 milliequivalents of acetate are going to transfer over and
11 metabolize into bicarbonate.

12 JUDGE WOODLOCK: Not, again, to hold you entirely to
13 it, but the Master Complaint makes it a little bit like simple
14 arithmetic.

15 MR. KETTERER: And I agree with that, your Honor, and
16 I guess what I would say with respect to the Master Complaint
17 in terms of simple arithmetic, what is being expressed there is
18 what is the total available buffer source. So, unfortunately,
19 the Clerk had asked me would I like a flip chart. I probably
20 should have said, "Yes," now that I'm thinking about it, but
21 the arithmetic formula that I drew up on the board and that we
22 saw last time in the last hearing, your Honor, was there is an
23 expression. Now, the expression that's up there is no
24 different than what Dr. Lazarus or Dr. Maddux testified at
25 their deposition to. What they take issue with is you cannot

1 add 35 and 8 and say, well, there's 43 milliequivalents of
2 bicarbonate that is in the patient's blood. If that were the
3 argument, that would be inaccurate.

4 What we're arguing is that there are two sources of
5 buffer that are available to be delivered to the patient.
6 There's a bicarbonate contribution. That's the 35. That's
7 dialysate bicarbonate. And there's an acetate which will
8 convert in the liver at some rate to bicarbonate. The 35 plus
9 8 is simply saying this is the total buffer that is available
10 to be delivered to the patient. There's no disagreement, at
11 least from Dr. Lazarus or Dr. Maddux, that that is accurate in
12 the sense of that's available. Now, the issue is how much of
13 that 8 which hasn't been accounted for -- there was at least
14 confusion. That's the factual dispute, what's the level of the
15 confusion and how much of it is being accounted for or not
16 accounted for, which is a question of fact individual to each
17 case, but whether it's being accounted for accurately, and then
18 how much of it moves over, and is the movement over of that
19 bicarbonate, therefore, meaningful.

20 And the reason why I am explaining all of this, your
21 Honor, not just in answering your question, but it is the
22 foundation behind the very reason why we're here about Colton
23 and Zydney specifically.

24 So, if the question is these are the two available
25 sources of buffer and the acetate, which is the product at

1 issue in this case, GranuFlo, moves over at some rate and it
2 contributes to some level of the serum bicarbonate, the
3 question is as a matter of proof what's the amount that moves
4 over, and is that meaningful to the patient? So, there's an
5 actual question in terms of the physical or chemical properties
6 and then a clinical question as to what the meaning is.

7 Now, a lot of the discussion we had at the last
8 Daubert hearing centered around the clinical meanings, and we
9 have rulings from Judge Kirpalani in the state court matter as
10 to what's going to come in or what isn't going to come in and
11 the sources of data and what we're going to consider there.
12 Another piece is this issue of what's the rate of how it moves
13 over? And that's one of the questions that is -- that's what
14 started Dr. Lipps on looking at some of the questions. They
15 were looking at how much of this acetate really moves over, is
16 it really meaningful? Now, as your Honor noted, he has been
17 contained in terms of moving, about acetate transport issues,
18 and I would argue that Mr. Sargent or Dr. Sargent is
19 essentially saying a response or a rebuttal to Colton and
20 Zydney, so the only way Sargent comes in is if Colton and
21 Zydney come in. But the reason why --

22 JUDGE WOODLOCK: Let me just stop you on this.

23 MR. KETTERER: Sorry.

24 JUDGE WOODLOCK: This is, again, strategic.

25 MR. KETTERER: Sure.

1 JUDGE WOODLOCK: It is just so I can understand the
2 state of the play. Assume we say, or one of us says, that
3 Colton and Zydney are out and Sargent is out. Now, if Colton
4 and Zydney are out are you dead in the water?

5 MR. KETTERER: No, we're not dead in the water, your
6 Honor, because the synthesis of the data can occur through
7 other general causation experts, especially from the
8 plaintiffs' point of view. What I would say about the rate of
9 acetate transport, specifically about how much moves over, one
10 of the reasons we have this vacuum of data is that it has not
11 been a studied issue beyond acetate-only dialysis and the
12 modeling that Colton and Zydney did about the specific subject.

13 The ABCDH (sic) Study, your Honor --

14 (Pause)

15 MR. KETTERER: Sorry. My mouth was dry again. I
16 apologize, your Honor.

17 So, the Colton and Zydney information talks about or
18 fills in a gap that is vacant from the literature to some
19 degree and the fact that the company itself hasn't studied the
20 issue.

21 JUDGE WOODLOCK: Let me pause on that, because I want
22 to be sure that there is not a suggestion that there is going
23 to be in Colton's testimony, if he testifies, the kind of
24 feistiness about discovery that suffused some of his answers
25 that suggested that the reason that there was not the study is

1 that they were afraid of what the study was going be to, which
2 seems to me to be beyond his competence. It may illustrate his
3 partisanship but not his competence on the issue of expertise.

4 MR. KETTERER: If the suggestion, your Honor, is that
5 the Court would frown upon the idea of imputing a thought as to
6 why the defendant -- or a motive to the defendant, I would
7 agree with you, that that would be improper for him to offer
8 that in the --

9 JUDGE WOODLOCK: So, he testifies that there was
10 limited, "he," meaning Colton or Zydney, because I gather they
11 are like Cheech and Chong --

12 MR. KETTERER: One or the other.

13 JUDGE WOODLOCK: -- one or the other will show up at a
14 given time?

15 MR. KETTERER: One or the other.

16 JUDGE WOODLOCK: The testimony will be, if I am
17 correct, is there is not a lot of data for a variety of
18 reasons. Some of it is old. There is some newer data. Here
19 is the ABC -- I will not go any farther with it --

20 MR. KETTERER: DH (sic).

21 JUDGE WOODLOCK: -- and that is the thrust of what
22 they are going to say?

23 MR. KETTERER: Two instances, your Honor. One, they
24 talk about the VFX data, which is something that we talked
25 about, in their modeling. They would also discuss the

1 ABCDH (sic) I think in part because it's important to analyze
2 all the data. It's certainly something that I would expect the
3 defendants to cross him on, because I think that they would
4 question, and they have, indeed, in this particular argument,
5 that they've questioned the validity of the modeling based on
6 the results of the ABCDH (sic). The question of modeling or
7 what they would say in response to that is some of the fact of
8 what are the problems with how the ABCDH (sic) was constructed
9 and how the patients were selected.

10 Now, one of the interesting things is that FMC
11 controlled the selection of all the patients. It's an FMC
12 clinic. They have controlled the parameters of the data, and I
13 would be happy to supplement this. If you read the deposition
14 of William Smith, who was the principal investigator on the
15 ABCDH (sic) Study, he testified to this. Although he was
16 independent, he didn't do any of the selection. He didn't
17 control what patients were going to be part of the study and
18 which were going to be excluded. So, one of the things of the
19 observations that Dr. Colton and Zydney made in their report
20 is, look, when you are looking for an explanation as to why
21 there may not be the same replication of the accuracy of the
22 modeling to the result, some of it may have to do with the
23 patients. It's also a small sample size. There's six to ten
24 patients, really six that were a valid part, as per
25 Dr. Smith, that were really valid data that were results from

1 that particular study.

2 So, the question of what they're going to come in and
3 say, to get back to the question you asked, is, they are going
4 to talk about what was the predicted rate, and they are not
5 writing -- I think it would be a bad move for a trial lawyer to
6 come in and say, and put up a mathematical equation before the
7 jury. We are not trying to bedazzle the jury, and I don't know
8 that you would bedazzle the jury with some long, complex
9 equation in multiple format. I think that would be a waste of
10 time, and that's not the plan.

11 But the foundation behind the analysis and the
12 foundation behind how they got the results of what they are
13 predicting the amount of acetate that's moving over and what
14 converts to bicarbonate, that is what the purpose of the
15 modeling and the analysis of both the VFX and the ABCDH (sic)
16 Study to be, and that's what they're testifying about. And I
17 think that that's important data and important information when
18 the centralized dispute is, your Honor, that the question of
19 GranuFlo works in this fashion. One of their defenses is the
20 contribution isn't meaningful, therefore, the plaintiffs should
21 have the opportunity to present the evidence to say, "This is
22 how much moves over."

23 Now, as a clinical issue, another physician is going
24 to come in and say, "Look, this is the clinical aspect." They
25 are not physicians, they are not medical doctors, so they can't

1 testify and say, "This is the clinical impact on the patient."
2 That's for someone else. But when we are talking about this in
3 the abstract, if you are going to get up and cross the doctor
4 or any of the general causation people or any of the causation
5 people and say, "Well, how do you know whether the acetate
6 contribution was significant, or what are you pointing to or
7 what are you alleging is really significant about this acetate
8 moving over?", I think it's important to know and to have
9 testimony about this that says, "Look, not only do we have the
10 modeling. Now we have actual patient data to look at, and we
11 have actual patient data to predict what the rate of metabolism
12 is going to be and how much that is going to contribute to the
13 overall bicarbonate load."

14 I think that that's a central part and an answer to
15 the question.

16 JUDGE WOODLOCK: So, let's treat this in two parts.
17 The first part is, yes, this form of equation is used in making
18 analysis of issues like this in pharma, but that is at a pretty
19 high level of generality to say that, and the challenge to that
20 is that there are too many variables here that are just
21 inadequately developed, and to some degree there is a subtheme
22 in your analysis as well that says, "Yes, there are. That is
23 Fresenius's fault, but, yes, there are these problems, but we
24 have a scientific methodology that is acceptable, or at least
25 used by people, but it is really the fit that is important.

1 And so we look at the data that is there and what they have
2 done with it, and the suggestion is that they have not fairly
3 analyzed closely the ABCDH (sic) results. We have gotten down
4 into the weeds with each of the individual patients on it."
5 So, what is the response to that, just so let them
6 cross-examine about that and see what happens?

7 MR. KETTERER: I think to some degree the answer is
8 that cross-examination fetters (ph) out what exactly is the
9 problem in the analysis if, your Honor, there weren't other
10 data that did validate the model, and I would argue that ABCDH
11 (sic) did not invalidate the model, and I think that when you
12 look at the parameters --

13 JUDGE WOODLOCK: But hasn't it become a kind of
14 force-fit when you look at the way in which they -- finally
15 they got it. They were the dog that chased the car. Then they
16 caught the car. Now what are they supposed to do with it? And
17 what they did with it was force fit their previous analysis to
18 meet the constraints that they had from their model.

19 MR. KETTERER: Well, your Honor, I guess my response
20 to that line of fact would be you would be correct in
21 criticizing it for that reason if they had had the benefit of
22 saying, "Well, I had this data before I even started
23 constructing my model, and then I went back and tried to -- and
24 then I built my model and then tried to go back and work the
25 data back in." But that's not the way it happened, though.

1 JUDGE WOODLOCK: And the chronology, that is an
2 important point, I think, which is to say it should be where
3 things stand at the time of trial. There is always fun to be
4 had about how someone got to a particular position, but I raise
5 it simply to force the issue for us. The question, I think,
6 would be, "All right. Now I have got what I have got." This
7 is Colton or Zydney. "I have got what I have got. I am
8 prepared to testify. I stand behind this modeling."

9 MR. KETTERER: Well, there's another way to approach
10 the testimony, your Honor.

11 JUDGE WOODLOCK: All right.

12 MR. KETTERER: And one of the other ways to approach
13 the testimony is to say, "Did you analyze patient data? Did
14 you get data from VFX and did you analyze what the rate of
15 metabolism is?"

16 So, for instance -- we have been very model-focused
17 here, and I don't know -- again, please don't hold me to this
18 in the way that -- because I don't want to argue to you that
19 the model is invalid. I'm not agreeing to that. But, as a
20 matter of practicality, how might we present this information?
21 Well, we might present it as an analysis of actual patient data
22 rather than a model that is then validated or invalidated or
23 whatever else through patient data.

24 So, for instance, what I mean by that is the
25 discussion that, let's say, Dr. Colton or Zydney would have,

1 is, "This is the data that we were presented. We analyzed the
2 data of these hemodialysis patients. Based on the available
3 data that we had, this was the rate of acetate that was
4 predicted or that we saw in these patients. This was the
5 amount of bicarbonate. Now, is this going to hold true in
6 every single -- and how did we do that? Well, we figured it
7 out. There was a mathematical expression to figure out what
8 that rate was in putting all these different variables, and
9 this was the end result of what we came at."

10 And what does that tell us? Well, they don't testify
11 about what the clinical impact is, and they can't, obviously,
12 say this is true for every single patient, because every
13 patient has different physiology, but what they can say about
14 it is, certainly from a generalized standpoint they are able to
15 testify, "This is a good predictor of how acetate does react in
16 many patients, and you could change some of those variables and
17 modify it, but there is a range at which it would go, based on
18 what we've analyzed."

19 And that's certainly another way of coming at this
20 idea of, and what I take to be, some of your Honor's question
21 to be, is, "Look, you have this model. The methodology of
22 modeling might be sound, but the methodology of modeling for
23 this particular variable is not something which is replete
24 throughout the literature. So, what's your foundation for the
25 methodology being sound on this particular point?" Part of my

1 answer is, well, it's modeling that they do at FMC and have
2 done on acetate prediction, and that's what they asked Frank
3 Gotch to do, which we will be talking about later with Judge
4 Kirpalani. But that's what they asked Dr. Gotch to do. So,
5 they are sort of coming in and saying, "Well, the modeling is
6 invalid. Dr. Lipps did some of that modeling. Well, they were
7 going to exclude that, but then Dr. Gotch did some of that
8 modeling. That was some of the basis for how the entire story
9 started, and now we want to complain about that methodology."

10 Now, you say, "Well, look, let's forget about that.
11 Let's fast forward to what we have here and now today. If you
12 set the modeling aside and you actually looked at patient data,
13 what's the value in referencing back to the modeling per se?"
14 And I guess my response on this point is, look, the modeling is
15 important because, one, it's developmental. It's part of how
16 we got to the point we got to of why they're here and what the
17 value is in predicting it. I think that if one set of data
18 which is larger and has more patients is accurately fitting the
19 model, that's as much to consider as saying, "Well, I have this
20 other set of data that I am going to admit up front is not as
21 much of a match as the VFX," but that doesn't invalidate the
22 modeling. No modeling is perfect.

23 They use K_t over V , which is basically to look at urea
24 clearance, and that modeling has been used and it is used as a
25 measure of clinical practice every single day. But whether or

1 not that works for every single patient and their different
2 physiology and whether it's accurate is all over the map.
3 That's why there's a controversy about always using it. Now,
4 they've accepted it. It's accepted in nephrology practice.

5 But to say that there's no validity or no sound
6 methodology behind the modeling, I don't think that that's
7 accurate or fair either based on the entirety of the look.
8 But, again, if we are talking about what the practical
9 implication is of how this would be presented, I think my
10 suggestion of we're going to look at the patient data first
11 because that's the most important thing to analyze first, I do
12 think that that's probably, assuming that your Honor's ruling
13 allows for it, that is the way we might have approached it
14 regardless; that it is not a lead-in with the model that we are
15 so concerned about or that I am concerned about.

16 I would much rather have -- and I think that if Drs.
17 Colton or Zydney were asked about this or were to come in and
18 tell you this, they would say the same thing, they would rather
19 have the actual patient data up front. But we didn't have
20 that. We didn't get that VFX data, that, even though it was
21 three years old, we didn't get that. The ABCDH (sic) Study
22 wasn't finished until, and as your Honors are both aware, until
23 September of 2015.

24 JUDGE WOODLOCK: But what does that mean? Are you
25 saying that they cannot do the patient data?

1 MR. KETTERER: I'm saying that it wasn't made
2 available --

3 JUDGE WOODLOCK: I will concede that for the moment.
4 So what?

5 MR. KETTERER: Well, I think that what it helps to do
6 is it helps -- I want to make sure. I'm not 100 percent sure
7 when you say, "So what?", what you want me to respond to on
8 that.

9 JUDGE WOODLOCK: Well, if you say, "Here is how it is
10 going to play out: It is not going to be about modeling, it is
11 going to be about data, patient data." You have got all there
12 is, I guess, or at least all that is going to come out before
13 trial.

14 MR. KETTERER: Right.

15 JUDGE WOODLOCK: Are they restyling their opinion,
16 then --

17 MR. KETTERER: No.

18 JUDGE WOODLOCK: -- or, based on the opinions that
19 they have, they simply lead with the patient data?

20 MR. KETTERER: Right. And I think that what they
21 would say is, "Look, this is the rate of acetate that we
22 expected based on the analysis. This is what actually
23 metabolized and here is how much would go over to bicarbonate,"
24 and some of that is based on predicting, some of it is based on
25 what they actually saw. And the only part of the prediction,

1 your Honor, becomes how does that extrapolate out based on what
2 we see for a larger volume of patients, right?

3 I guess, you know, I don't want to go over and over
4 this point, because I know you get it, but I do think it's
5 important to note that the whole reason that we have this kind
6 of analysis or we're in this position is because the data
7 doesn't exist about how the product actually works outside of
8 Colton and Zydney doing the work. That is sort of a
9 fundamental wedge that I am in as a plaintiff. It is not like
10 you can tell me, "Well, go to the literature, go to the
11 textbook and use that instead." I don't have the benefit of
12 that. And I can't go to the company data, because they don't
13 have it either. They don't actually understand how much is --
14 now they do. Because of the litigation they have started
15 looking at it, but prior to that they didn't look at it.

16 So, I had to hire experts, or we've had to hire
17 experts, to analyze this question, look at the available data
18 that was there, run it based on all the parameters that they
19 needed to in order to reasonably consider it so they wouldn't
20 be criticized for not considering these other portions of the
21 actual analysis in the data, and before they had that they ran
22 a model in order to answer that same question, because the only
23 data that they had was based on acetate-only dialysis. Those
24 were the patient parameters, and the defendant criticized them
25 for using -- despite Mr. Lipps doing the same thing, they

1 criticized them for using only acetate-only literature in the
2 parameters.

3 So, now we have something else. We have other data to
4 look at. That's why I said I would prefer to lead with the
5 data. But it doesn't invalidate the purpose or the utility of
6 the actual modeling, and I think that that's --

7 JUDGE WOODLOCK: I guess it does if the model is out
8 of sync with the data itself, or if the model is contorted. I
9 do not mean that in a chronological sense but simply that here
10 we have got the data, and here we have got the model, and the
11 model is making certain assumptions that it is done kind of
12 backdoor.

13 MR. KETTERER: I guess the issue that I would take
14 with it is that I don't think it's backdoor fitting, your
15 Honor. I think that there are -- number one, I think that you
16 can't focus only on the ABCDH (sic) and say, okay, in ABCDH
17 (sic) it didn't exactly fit. Well, that's six patients, and I
18 agree that, first of all, one it did, and on the others it
19 didn't, and there are issues behind that. There are issues
20 behind what kinds of patients were selected to be part of that
21 study, what are the reasons why it may or may not fit. Those
22 are the kinds of questions for cross-examination. And if they
23 only base the modeling and the only data we had was the ABCDH
24 (sic), your Honor, I think the argument about "square peg,
25 round hole" would probably be more analogous and fair. But I

1 don't think that what they are doing is, is trying to backdoor
2 it. I think that they have basically said up front, "Look,
3 it's not as much of a fit as VFX." But if we only focused on
4 the one set of data, then I think there is something to this
5 idea of, "Are you just trying to make something fit that
6 doesn't fit?" That's not the case. So, we can't forget about
7 the first half of their analysis and of the data.

8 And that's the reason why, I think, your Honor, when
9 you talk about the modeling and putting it in as a portion of
10 cross, to the extent that modeling is really brought up as a
11 significant basis, that that's a portion for cross-examination
12 to say, "Look, you ran it against two, and in one your model
13 wasn't as accurate a fit as it was on this other data." But if
14 we're saying, like, "We have this data set of 6 patients but we
15 have this other data set of 16 patients," it's not simply by
16 virtue of the fact that you have more numbers that it makes it
17 more valid, but I do think you have more results when you
18 consider the data to say, "I have more results to look at to
19 see whether the model was accurate or inaccurate."

20 Or, to put it another way, your Honor, if you added
21 the two results together and said, "Based on a percentage how
22 often do the model -- was the model accurate?" Well, the fact
23 that you had 16 patients and it more accurately predicted among
24 those 16 patients would certainly raise the average of the
25 percentage of the accuracy.

1 And I'm not suggesting that that's the correct way to
2 approach it from an analytics standpoint. What I'm simply
3 suggesting is that, when you look at this one set of data, the
4 ABCDH (sic), the importance of looking at it is, of course,
5 that it's important data to consider, but it's not standing
6 alone; it's not an analysis which exists in a vacuum. It's an
7 analysis which is part of another analysis, which is part of a
8 model that was constructed, and the modeling has value and
9 benefit if it expresses and if it accurately reflects both
10 portions of data.

11 In some ways it accurately reflects ABCDH (sic), but
12 no model is ever going to be perfect, whether computer models,
13 whether models for dialysis, models in any sort of discipline.
14 There is no such thing as a model which perfectly and
15 accurately predicts every scenario. And I think that, I'm sure
16 you have had experience with engineering cases, and that's
17 true, and yet for methodological purposes, for Daubert
18 purposes, modeling is still an accepted methodology, and I
19 think that, even more specifically, modeling in nephrology and
20 in nephrology practice is used.

21 JUDGE WOODLOCK: Well, I wanted to hear, obviously,
22 from the defendants on that. I do not know if Judge Kirpalani
23 has any further questions of you.

24 JUDGE KIRPALANI: No. I think Judge Woodlock has
25 articulated all the questions I had for the plaintiffs.

1 JUDGE WOODLOCK: This is perhaps more a federal
2 question or maybe First Circuit question, but after Millward
3 One, and as we wait for Millward Two, isn't this
4 cross-examination stuff?

5 MR. DENNING: So, there is juicy cross-examination
6 material here for Colton and Zydney, particularly based on how
7 their model doesn't fit the actual data. The problem is the
8 subject matter. You saw Equations 16 and 17 that they produced
9 on Monday. The subject matter is so far beyond the ken of the
10 average juror that they are not even going to know when points
11 are scored on cross-examination. They're going to be wowed by
12 the math, they're going to be wowed by --

13 JUDGE WOODLOCK: I do not know if that is the case.
14 Number one, this is not a 403 case on this, I think, and I
15 think Judge Kirpalani dealt with it with Maddux in the same
16 way. Jurors, focused, can get to these kinds of questions. We
17 cannot say that they cannot. That is what they are there for.
18 They make the decision. We do not just take something away
19 from them because it is challenging.

20 So, then I am back to the idea of, okay, you have got
21 Dr. Sargent. Dr. Sargent is not lacking for self-assurance and
22 is likely to be able to hold his own here, and why isn't that,
23 as I say, particularly after Millward One, which weighs on my
24 mind, why isn't that to say to the jury, "Go at it," or say to
25 you, "Go at it," and, "Jury, watch this"?

1 MR. DENNING: I understand. A couple of things.
2 First of all, I'm not suggesting that, just because it's hard,
3 the jury can't see it. That's not my point. My point is --
4 first of all, this is so far afield from the central core issue
5 of this case, what happened to Mr. Ogburn. It really, as your
6 Honor said, it has kind of taken on a life of its own. This
7 modeling -- we have the ABChD data. We can look at that. They
8 can have their experts, not Drs. Colton and Zydney, who are
9 chemical engineers, not nephrologists or physicians, but look
10 at the ABChD data and say what that means from a clinical
11 perspective. Of course that's open to them, and that's really
12 what I think the jury should be focused on in this case, is
13 what the actual data is, what happened to Mr. Ogburn, what
14 happened to actual patients, not this model that they dreamed
15 up and that I think is wildly inaccurate as demonstrated by --

16 JUDGE WOODLOCK: Well, but, to review the travel of
17 the contentions between the parties, it was as a result of
18 Dr. Lipps's epiphany, and, while that has been cabined to some
19 degree in a way, as I said, that I would share, it is going to
20 come in, and it is going to come in that his view is that there
21 is an upward limit, and the upward limit is whatever the
22 dialysate had. So, somebody gets to talk about that.

23 MR. DENNING: So, I think what Dr. Lipps would say and
24 what our experts have said is that if -- they are not saying it
25 never goes above the level of bicarbonate in the dialysate.

1 That's not what they're saying. They are saying if it does go
2 above, then it starts to diffuse back into the dialysate. So,
3 it can get a little bit above, the serum bicarbonate can be a
4 little higher than the dialysate bicarbonate, because it takes
5 some time for that reverse concentration gradient to come into
6 effect. I think everybody agrees with that. I don't think
7 that, just like Mr. Ketterer said, that now everybody seems to
8 agree that total buffer isn't actually factual. We agree with
9 that. I think they also agree that the reverse concentration
10 gradient would cause things to flow back. Every one of their
11 experts testified that that's true. So, I don't think that
12 that's a matter of dispute at the trial either.

13 What they are trying to influx into this is this model
14 that tries to predict, okay, the volume of distribution of
15 bicarbonate in the body, the volume of distribution of acetate
16 in the body, how are those going to intertwine and affect the
17 ultimate levels? That part they got wrong. If you look at
18 their model it's incorrect, and we can critique it on cross,
19 but really it's more of a fundamental flaw in their model that
20 shouldn't even go to the jury. It hasn't been peer reviewed.
21 The testing that they did, the only testing they did shows that
22 it's not reliable. It's not the type of analysis that should
23 go before a jury.

24 Your Honor, if I could hand up just a few slides on
25 this point?

1 JUDGE WOODLOCK: Sure.

2 MR. DENNING: If I can get it to show on the screen
3 here.

4 So, to kind of recast how we got here, and this is
5 Slide 2 of the slide deck, for the record, last time we were
6 here we pointed out that Drs. Colton and Zydney used dialysance
7 rates that they estimated because they didn't realize that
8 there were actual flow rates shown in the ABChD data. So, they
9 were sent back and said, "Okay, use the actual data. You've
10 overestimated by a factor of two to four the amount of
11 bicarbonate that goes through. Use the actual data and see
12 what happens." That's what they've done. They have gone back
13 and they've refit their model so that they can use the actual
14 data from ABChD.

15 And this next figure, this is Slide 3, shows kind of
16 the process that they've gone through. They developed this
17 original model, and they developed it with the Mion and Bruno
18 data. That was the acetate-only data from 30 years ago with
19 only three patients. But that's how they developed their
20 model. They then applied it to the VFX and the ABChD studies,
21 and when they did that they decided they had to use a different
22 dialysance for the acetate than they were using for the
23 bicarbonate. They realized it was a mistake in their original
24 model, and to make it fit ABChD and VFX they had to use
25 different dialysance. So, they did, and that was the first

1 kind of change to the model or patch that they made. Then they
2 realized, well, they used the wrong D Sub A and D Sub B. So,
3 then they had to use the actual flow rates, and that's what
4 they did. When they used the actual flow rates, and this is
5 what has happened since the last time we were together, their
6 data didn't fit the model at all, not even close. They
7 realized, "Oh, well, now we need to, to fit the ABChD Study,
8 take two, we need to add ultrafiltration." So, they added that
9 patch to their model.

10 What they are doing is constantly trying to patch the
11 model, retrofit it, back-fit it to the data in order to make it
12 fit this set of data, to make it fit the next set of data; but,
13 in actuality, the problem is the model itself is flawed, and no
14 matter how many patches they make the underlying model is
15 flawed.

16 Even with the fixes that they made, and this is
17 Slide 4, and apparently this isn't an issue of dispute anymore
18 because of what I heard counsel for the plaintiffs say, it
19 doesn't fit the ABChD model at all. This is their own experts,
20 Drs. Colton's and Zydney's analysis of how well the model fits
21 the ABChD Study. They said that five of the treatments were
22 good fits, eight were fair fits, and seven were what they
23 called "low" fits. I guess they didn't want to call them
24 "poor" fits or "bad" fits; they called them "low" fits. But
25 clearly this did not fit it well.

1 And let's look at what they call "poor" and "good."
2 On Slide 5 you can see in the red dots on the left the actual
3 patient data, and the red line is Drs. Colton's and Zydney's
4 model, estimate. It has over-marked it by a factor of 5, 6
5 milliequivalents per liter. On the right one for Patient 17,
6 again, you can see the Week 1 and Week 2 data in the red
7 circles and the blue triangles, and their estimates of it are
8 4, 5, 6 milliequivalents per liter over. It's dramatically
9 wrong. And, to their credit, they said, "Yeah, it's a poor
10 fit. Our model doesn't fit this data."

11 But in the next slide we see what they call the "good"
12 fits. And this is Slide 6. The green dots show the actual
13 patient data. The line shows their model's expectation. But
14 two things are wrong with it. First of all, the slope is
15 entirely different than the slope for the actual data. We can
16 see the actual data plateaus at about 90 minutes into the
17 session, whereas their model doesn't plateau until four hours
18 into the session. That, itself, is a fundamental flaw in the
19 model.

20 But, second, it again overestimates how much
21 bicarbonate gets into the patient. Here they say it's at
22 roughly 40 or so, whereas in the actual data the last serum
23 bicarbonate level shown is 36. Even in what they call -- this
24 is what they call a "good" fit. So, clearly it doesn't fit the
25 data at all. It's just absolutely wrong.

1 Well, why is it? A couple of reasons. And
2 Dr. Sargent explains a lot of the flaws in the Colton and
3 Zydney model. One of the fundamental flaws is they treat the
4 volume of distribution of acetate in the body to be the same as
5 the volume of distribution of bicarbonate in the body. They
6 say they're the same, and that's a fundamental characteristic
7 of their model. They've made that assumption. That assumption
8 is wrong.

9 In Slide 8, and this is testimony from Dr. Goldfarb,
10 plaintiffs' own expert, plaintiffs' nephrologist, who is going
11 to testify in the Ogburn case, I asked him at deposition, I
12 said, "Do you agree...talking about the different volume of
13 distribution of bicarbonate and volume of distribution of
14 acetate, that the volume of distribution of bicarbonate," and
15 the volume of distribution of acetate are different? He said,
16 "Yes, I agree," they're different. Drs. Colton and Zydney have
17 assumed they're the same, and that has permeated their model.

18 And here is the import of it: If you assume the wrong
19 volume, then you're going to have the wrong concentration,
20 right? "Concentration" is just the amount of bicarbonate or
21 acetate divided by the volume. If you are assuming the wrong
22 volume you are going to end up with the wrong concentration,
23 you are going to end up with too much bicarb going into the
24 system compared to what actually happens. It overestimates the
25 total concentration of bicarb again and again and again.

1 And in the next slide, Slide 10, this shows how that
2 permeates through all of their equations. These are the two
3 equations that were missing from their supplemental rebuttal
4 and the Court asked them to supply earlier this week, and
5 replete throughout these equations are the concentration
6 gradients C Sub B and C Sub A. Those concentration gradients
7 are wrong because they used the wrong volume of distribution,
8 and then the metabolism rate for acetate, which is the variable
9 R, is also wrong, because, as you can see in Equation C6 at the
10 bottom, that metabolism rate for acetate depends on the
11 concentration of acetate, which is wrong because they used the
12 wrong volume for acetate. So, not only are the C Sub B and C
13 Sub As wrong, but so are the Rs. That's how their model ends
14 up producing results that are dramatically different than
15 reality.

16 And Dr. Colton admits it. He said -- this is really
17 the ultimate question of reliability and whether a jury should
18 be able to rely on this testimony, this model, when they are
19 deciding this case. In his deposition Dr. Colton said, "Before
20 I would ever advise a nephrologist to rely on the modeling," he
21 means his model, "for prescription, I would want to see data
22 that can be compared with prediction and to assess how good the
23 model is in the framework of how the patients are treated
24 today, and the extent to which there are aberrations."

25 He said, My model is not ready for prime time, my

1 model is not ready to be used for prescriptions. If it can't
2 be used for prescriptions, it shouldn't be used by the jury to
3 decide this case.

4 JUDGE WOODLOCK: I am not sure he said that, what you
5 just said. I am not sure he would say it in the testimony.
6 This is, as you say, juicy for cross-examination.

7 MR. DENNING: At the very least he said, "I would want
8 to compare it to the data." He has done that since. This
9 deposition was before they did the ABChD. We've now compared
10 it to the data. We didn't get to ask him, "And you agree it
11 doesn't fit, right?" But I think it's pretty apparent from
12 their characterizations of the data that more than 75 percent
13 of them they characterized as not good. I think it's clear he
14 wouldn't call that a good fit. So, ultimately, they admit the
15 model shouldn't be relied upon if it doesn't fit the data.
16 They admit that the model doesn't fit the actual data.

17 Allowing them to present this model, given really a
18 show of its own, we're talking a significant amount of time in
19 a timed jury trial that the jury is going to be focusing on the
20 model and the equations, which aren't peer reviewed, which
21 aren't accepted in the dialysis community, unlike Kt over V ,
22 which, very peer reviewed, accepted, used throughout the
23 nephrology community. This isn't used at all. This has never
24 been used beyond Drs. Colton's and Zydney's reports in this
25 case. To go into that sideshow, particularly given the fact

1 that this isn't reliable, it's going to be beyond the ken of
2 the jury. Why engage in this sort of sideshow and make us
3 bring Dr. Sargent to counter that?

4 MR. KETTERER: Your Honor, may I briefly just very
5 quickly respond on this?

6 JUDGE WOODLOCK: Sure.

7 MR. KETTERER: And I know you know, you brought it up
8 yourself about Millward, and I don't want to focus on that, I
9 want to go to the substance on that, because my argument about
10 why it is more appropriate for cross is really fundamentally
11 rooted in a substance argument. The idea that the defendants
12 are not arguing the question of how much acetate from GranuFlo
13 reaches the patient is completely incorrect. I mean, they are
14 absolutely arguing about that. That's the central issue, is
15 whether GranuFlo actually causes a rise in bicarbonate, and
16 does a high bicarbonate lead to cardiac arrest? Those are the
17 questions, and it's absolutely relevant in Mr. Ogburn's case as
18 to whether or not that evidence does or doesn't exist.

19 Counsel asserted some things as if they are facts, but
20 those are actually Dr. Sargent's opinions rather than actual
21 facts, which is the point of whether or not that should be
22 subject for cross-examination because of the fact of he asserts
23 one thing that these constants, that the rate of volume
24 distribution of acetate's the same. Those are opinions of
25 different people. Those are not assertions of fact. So, when

1 you get up and say something is patently untrue, that's, of
2 course, from his point of view. It's like, you know, Obi-Wan
3 Kenobi saying from a certain point of view that's the way he
4 views the truth. That doesn't actually make it the truth.

5 The issue is that they focused their entire argument
6 on a six-patient study. That's the other reason. The entire
7 -- and I see your Honor's look, which is that they do mention
8 the VFX, but the critique about the inaccuracy in the data is
9 really focused on ABChD.

10 JUDGE WOODLOCK: Well, no. That is the most striking
11 one. But there was an argument before, and because I had a
12 little bit more time to work with, with the indulgence of Judge
13 Kirpalani, I said, "Okay, go take a look at it," and you did.
14 It was not very helpful. Not only not very helpful, it was
15 further undermined. So, if I go back to VFX, that was not a
16 perfect match either.

17 MR. KETTERER: Well, I'm not saying that it was,
18 because, as I said, your Honor, there is no modeling that's
19 going to be a perfect match, and I don't think that's the goal.

20 JUDGE WOODLOCK: I think the goal is to make it fit as
21 best you can, and it is an iterative process. When people talk
22 about "patches" and that sort of thing, that is the stuff of
23 Ph.D theses. What I am interested in is what does the science
24 say at the time that someone has asked the question, and have
25 they found a fit, and it did not get better for you, it got

1 worse.

2 MR. KETTERER: Well, but my point about that is, your
3 Honor, first of all, you are talking about six patients. It
4 didn't get worse. What I would argue is, is that it's another
5 set of data. I think that the construct of looking at it from
6 the standpoint of a linear timeline of, "You looked at this,
7 then you looked at this, and it didn't improve for you," isn't
8 the way that I think that methodologically should --

9 JUDGE WOODLOCK: That is where we are now. Now you
10 have got a little bit more data, and the little more data is
11 not more helpful, it is less, but the state of it is it is not
12 as strong as it was before. And so I look at it now and say,
13 whatever it was, is it strong enough to permit the jury to
14 think about it?

15 MR. KETTERER: And I guess that's my sort of answer to
16 it, then you are back to the issue of weight, because what we
17 are doing is, is parsing whether it is good or bad. This idea
18 it's going to be a sideshow, I don't know how much I want to
19 discuss this, but it is not something we plan on presenting
20 three hours of testimony on. This is a short presentation of a
21 witness based, again, primarily on the data, not on the
22 equation. The equation is important -- or the model is
23 important in the sense of the development and what it says
24 about the predicted rate for acetate metabolism generally,
25 which is a central piece of the case.

1 JUDGE WOODLOCK: The only justification for having
2 Colton and Zydney is that they have a model. There are other
3 witnesses who can testify as to patient data.

4 MR. KETTERER: Let me just clarify that, your Honor.
5 It's not just the model. They are talking about what the data
6 says about the rate of acetate transport. That is more unique.
7 Although another witness could talk about it, they haven't
8 analyzed the data in the same way, nor are they at the same
9 level of expertise to say, Look, this is not only, not only
10 what the data says, but the VFX required an analysis in order
11 to talk about the rate of acetate metabolism and how much would
12 have -- they input the data into the model in order to be able
13 to make that calculation, but it's just an algorithm which
14 allows them to say, "These are the actual facts of what the
15 acetate metabolization rate is." That is unique to Colton and
16 Zydney.

17 And so, that expression or discussion of the data from
18 that standpoint is important, but, again, that's my point about
19 why this is not a long presentation. It's not intended to be.

20 JUDGE WOODLOCK: It may be a long cross.

21 MR. KETTERER: It could be a long cross, but it's a
22 timed trial, and they're free to use their time however they
23 see fit.

24 JUDGE WOODLOCK: Well, but then a factor in that, if
25 you want me to start thinking about that as a factor, is, is it

1 unfair to permit somebody to put in something that they throw
2 out as red herring and have the other side spend their time
3 chasing down the smell or the other sensations that are created
4 by this red herring that is drawn through the courtroom?

5 MR. KETTERER: I don't know if it would be appropriate
6 or inappropriate, and your Honors have the discretion to make
7 that decision, but what I would disagree with is that it's a
8 red herring, because in this case the fundamental premise of
9 that assumption would be that the evidence presented would be
10 done so for a red herring. Absolutely not. I think, from the
11 plaintiffs' perspective, it's a critical piece of information,
12 a critical data analysis that goes to one of the fundamental
13 critiques that the defendant will jump up in opening and
14 absolutely be talking about. The question of whether their
15 product contributed significantly to the serum bicarbonate such
16 that it would have led to someone becoming alkalemic is, in
17 fact, the central general causation rates, and these witnesses
18 address that.

19 JUDGE WOODLOCK: I think I understand better than I
20 did before the issues --

21 MR. KETTERER: Very good, your Honor.

22 JUDGE WOODLOCK: -- involved here. I have dominated
23 because I am trying to think through this aspect of it. Judge
24 Kirpalani has thought about it much more deeply than I.

25 MR. KETTERER: And, your Honor, both of you, if you

1 have any further questions I'm happy to answer anything further
2 along these lines. I do think that I've probably been overly
3 verbose, and I hope that I have addressed the questions.

4 JUDGE KIRPALANI: So, let me just ask Mr. Denning to
5 focus on the inclusion of the ultrafiltration data in this
6 second go-around, if you will, and why is that problematic to
7 their model? What are they doing, and what is the impact?

8 MR. DENNING: Sure. What's fundamentally problematic
9 is they did it only for the ABChD data. They didn't do it for
10 the VFX. Why did they do that? Because that's how they could
11 get as close as they could get to ABChD, and if they did it for
12 the VFX, well, then it would make them further away from VFX.
13 That's not a reliable model. If you have to add modules to it
14 for different sets of data so that it more accurately fits that
15 data, then the model is wrong, because they don't know what to
16 add or what not to add if we're talking about patients in
17 general, or if we're talking about Mr. Ogburn, or if we're
18 talking about nephrology patients in the U.S. Are they going
19 to add ultrafiltration to their model for that, like they did
20 for ABChD? Are they not, like they didn't for VFX and for Mion
21 and Bruno?

22 That's just a fundamental flaw of their model, is, you
23 can't have a model that you have to tweak every time for
24 particular sets of data and then try to say, "Okay, we are
25 going to use this model for everybody or for Mr. Ogburn," when

1 you don't know the data to compare it against.

2 MR. KETTERER: I'm sorry, your Honor.

3 JUDGE KIRPALANI: Yes. Sure.

4 MR. KETTERER: Look, that's a wholly inaccurate way of
5 portraying the way the modeling works. It's what's the
6 available data and what are the parameters that are input into
7 it that go to what the data or what the model might conclude as
8 a result of running different parameters.

9 The problem wasn't that they didn't have
10 ultrafiltration. It makes it sound like they didn't consider
11 it. What happened was they didn't -- and this is something
12 that they brought out last time, which your Honor has allowed
13 us to address, which was the ultrafiltration rate was predicted
14 as lower than what the actual information or data they had and
15 then they were able to plug that in. That's not a flaw in the
16 model as if the model failed to consider that fact. The model
17 did consider that fact, but it had an inaccurate parameter in
18 that. The model is not flawed, because the parameters that are
19 contained within the model alter and vary. That is, in fact,
20 what we need to do with patient data.

21 The reason I come back to K_t over V so often is that
22 it's the same principle of inputting patient data and
23 parameters. That's why that model does not accurately predict
24 clearance in all patients. It's a model. It predicts -- it's
25 physiologically in some patients and not in others. So,

1 whether it's reliable or unreliable, so on and so forth, that's
2 a separate question. The question is, is that only pronouncing
3 that because some of the data in ABCDH (sic) did not fit the --
4 some of the runs did not fit the model does not make it wildly
5 inaccurate, it doesn't make it something which is wholly
6 unreliable, because there's other people physiologically who
7 absolutely fit in. So, the question of fact is, or the
8 question on cross isn't to parade them out to say, "Look at
9 this, look at this complex model." It's more to do it as a
10 matter of what do we have to predict how much acetate in
11 patients metabolizes and how much of that becomes bicarbonate,
12 what's the predicted rate? That's the fundamental essence.

13 JUDGE WOODLOCK: But let me just ask this, so I
14 understand what that means on the ground.

15 MR. KETTERER: Sure.

16 JUDGE WOODLOCK: So, we go to Slide 6 of the slides
17 that we were just given, which is, I am told, a good fit. Is
18 that a good fit?

19 MR. KETTERER: Well, your Honor, again, I would argue
20 that, yes, it is, based on the analysis Drs. Colton and Zydney
21 are offering.

22 JUDGE WOODLOCK: That is self-referential. If I were
23 looking at something like this for anything would I say, "That
24 is a good fit"?

25 MR. KETTERER: Well, the answer is, your Honor -- let

1 me, just from my advantage point, why I would say it's a good
2 fit is that that's a question certainly of fact as to whether
3 or not that is or isn't a good fit, right?

4 JUDGE WOODLOCK: And that gets to the more fundamental
5 question that I was putting to your friend, which is, what is
6 the gatekeeper role? If it is to be simply a potted palm, I
7 understand that. I do not find it a good fit for me --

8 (Laughter)

9 JUDGE WOODLOCK: -- but if that is what I am supposed
10 to do, that is what I am supposed to do. On the other hand, if
11 I am supposed to do something about it, then there is a degree
12 of independent analysis before it gets to the jury, and so I
13 ask the question would a statistician looking at this say that
14 is a pretty good fit?

15 MR. KETTERER: First of all, I think you would have to
16 ask a statistician on that question.

17 JUDGE WOODLOCK: Sure.

18 MR. KETTERER: And I think the most appropriate people
19 to ask would be the experts in this case. That would be
20 Dr. Colton, Dr. Zydney or Dr. Sargent.

21 JUDGE WOODLOCK: And I think I know what their
22 respective responses would be.

23 MR. KETTERER: Right. So, they would each have an
24 explanation. So, your Honor, just getting back to your
25 potted-plant analogy, that's the reason why in this instance --

1 I'm not suggesting, nor am I sort of pronouncing, that in the
2 lexicon of all Daubert hearings that you are to be a potted
3 plant. You are not. Neither Court, in either Lanigan or in
4 Daubert, that's the role of the Court. On the other hand, I
5 think this is the type of situation to which Millward was sort
6 of alluding to, a question where you look at it and the
7 complexities behind are such that you would have to ask the
8 experts in order to explain "good," "bad," "poor," "fair,"
9 whatever the issues are about the results from the different
10 studies in the analytics, that that is the kind of question of
11 fact that should be asked to the experts, and that is what
12 Millward is sort of speaking to, in my opinion, of the
13 analysis. It isn't that the Court is somehow completely
14 neutered from making any analysis, nor should it be, and I
15 don't think that there's any Daubert progeny which expects the
16 Court to do so.

17 But the question is was the methodology sound, did
18 they consider the totality? And they certainly considered all
19 the data. It's not like they ignored the ABCDH (sic) Study.
20 It's not like they said, "You know what? This data may not be
21 great for us, so we are not even going to opine about it," or,
22 "We're not going to tell you what the real results were." They
23 gave you the results, they gave the analysis, they considered
24 the weight and the totality of the evidence, and they also
25 considered the VFX data, which is obviously data they felt was

1 supportive, and they also developed the modeling. I think,
2 your Honor, that's all important to consider in the framework
3 and the analysis of looking at it from the lens of either
4 Lanigan in Massachusetts state court or under Millward here in
5 the First Circuit.

6 JUDGE WOODLOCK: All right. I am going to shuffle off
7 the stage.

8 THE CLERK: All rise.

9 (WHEREUPON, the Joint Daubert Hearing adjourned)

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

C E R T I F I C A T E

I, Brenda K. Hancock, RMR, CRR and Official Reporter of the United States District Court, do hereby certify that the foregoing transcript constitutes, to the best of my skill and ability, a true and accurate transcription of my stenotype notes taken in the matter of In Re: Fresenius GranuFlo Litigation, No. 1:13-md-02428-DPW.

Date: November 30, 2015

/s/ Brenda K. Hancock
Brenda K. Hancock, RMR, CRR
Official Court Reporter