

1 your composite score.

2 I think many rheumatologists focus on erosions  
3 because although they're not specific for rheumatoid,  
4 they're pretty close to that. They're fairly unique in  
5 rheumatoid. You don't see erosions in very many other  
6 situations, and certainly the pattern of erosions is quite  
7 specific.

8 DR. ABRAMSON: This losing information means  
9 the failure to pick up differences in the action of a drug,  
10 for example, as you showed between erosions and joint-space  
11 narrowing.

12 Dr. Brandt?

13 DR. BRANDT: There's another issue, and that  
14 relates to looking at this as means, as we saw in that last  
15 slide, and again, I guess it's a reflection of disease with  
16 narrowing, how often does narrowing improve in individual  
17 patients?

18 DR. SHARP: We've always assumed that was  
19 reader error.

20 (Laughter.)

21 DR. BRANDT: Maybe not.

22 DR. SHARP: Maybe not.

23 I think in terms of some of the swelling that  
24 may occur in cartilage in the early stages of  
25 osteoarthritis, there may well be some improvement, if you

1 will, but I don't know that we can rely on detecting it by  
2 current methods.

3 Now, I think some of the computer-based methods  
4 that actually measure joint space and some of the things  
5 that I've been interested in, perhaps we could, because  
6 it's -- you can really measure very fine differences.

7 That's an interesting point. Since I brought  
8 that up, in looking at an old database I have, doing actual  
9 measurements of joint space didn't behave any better in  
10 discriminating between gold therapy and placebo in scoring.  
11 Scoring is basically pretty reliable.

12 DR. BRANDT: Years and years ago, Dave  
13 Hammerman showed in histochemical studies of rheumatoid  
14 articular cartilage in areas very remote from pannus,  
15 depletion of proteoglycans, particularly in the middle  
16 zone, and I'm not sure that that's not reversible.

17 DR. ABRAMSON: We're going to have -- thank you  
18 -- one comment from Lee, and then we need to sort of move  
19 along and get through the questions.

20 DR. SIMON: Well, actually, I'm just a little  
21 uncomfortable with what Ken just said. You may believe  
22 that that may be reversible, but remember that a lot of the  
23 evidence that we're talking about are people with long-term  
24 disease, not short-term disease, and I'm not aware of a lot  
25 of good data after 20 years of rheumatoid arthritis where

1 we have evidence that Highland cartilage is repaired to the  
2 extent that you have normalized joint space under those  
3 circumstances.

4 You theoretically may be correct in the early  
5 on disease. I'm still a little uncomfortable making that  
6 assumption in the longer-term disease.

7 DR. ABRAMSON: Thank you.

8 Let's go back to Question B, because,  
9 ultimately, Question F, we need to take a vote on, and in  
10 many ways, B becomes a critical discussion point that we  
11 need to come back to.

12 So "To what extent do other radiographic  
13 endpoints, including data on the number of erosions at six  
14 and 12 months and data on the sixth-month Sharp score,  
15 support the efficacy of Enbrel in delaying radiographic  
16 progression?"

17 Again, I'd like to hear first from Dr. Mills as  
18 a radiologist on the panel here.

19 DR. MILLS: From the standpoint here, looking  
20 over all of these films, you do have evidence that the  
21 radiographic changes are being delayed through one year.

22 Now, from that standpoint, what is the  
23 relevance, and what's the credibility of that result for  
24 you as a panel to look at?

25 My concern is for you to again realize that

1 you've got a patient population that's early RA. You have  
2 a grouping you're evaluating, and you're saying we are  
3 seeing some radiographic delay. You don't have a long-term  
4 follow-up, and you don't have a good historical comparative  
5 data set to work with.

6 But, yes, the radiographic findings are there.  
7 They're very reproducible in terms of the analysis. We're  
8 able to determine them, and again we have an excellent data  
9 set from Immunex to say those findings are real. Now, the  
10 significance is what we're asking for.

11 DR. ABRAMSON: What do you think about the  
12 separation of Enbrel from methotrexate and the erosion  
13 score?

14 DR. MILLS: Do I feel that there's a width  
15 there that's adequate?

16 DR. ABRAMSON: Yes.

17 DR. MILLS: It's my impression in looking at  
18 the data that it's adequate, but that's for you to come  
19 back. You know, that is my opinion in looking over the  
20 information.

21 Whether or not that that means clinically --  
22 remember, you're taking care of the patient, not the x-ray,  
23 in terms of what does that mean for you.

24 DR. ABRAMSON: Any other comments on Question  
25 B?

1 (No response.)

2 DR. ABRAMSON: Okay. Let's skip to Question E.  
3 "Please comment on the apparent" --

4 DR. JAY SIEGEL: Can I ask something about D?  
5 Because it follows on all these discussions and on the  
6 comments by Dr. Sharp and Dr. Simon.

7 So the pathophysiology is different, and based  
8 on that pathophysiology, you might expect an anti-TNF to  
9 have more effect on erosions, and in fact, in this trial,  
10 it appears that that may have been the case, and that is in  
11 fact what was prospectively looked at, and so my question  
12 is, if, on the next trial of Enbrel or some other anti-TNF,  
13 somebody wants to use erosions as a primary outcome for  
14 radiographic assessment as opposed to Sharp score, is there  
15 likely to be objection from this committee to doing that,  
16 if that's what they feel is the most sensitive measure for  
17 the effect of that drug?

18 DR. ABRAMSON: Well, I mean, I think we are --

19 DR. JAY SIEGEL: You're going to reserve the  
20 right to object to anything, right?

21 DR. ABRAMSON: I think we don't understand the  
22 pathophysiology of those two processes very well. We're  
23 just learning about it.

24 I think it's important to collect information  
25 so that you can make these discriminations because then you

1 may learn from this kind of study to go back into the  
2 biology of the differences.

3 So I would answer yes, that I think that these  
4 may be two separate things. They're both very important,  
5 and they should not necessarily have to have both in my own  
6 view.

7 DR. FELSON: Just to play devil's advocate, I  
8 guess I would say no.

9 I mean, I think that it sort of gets at the  
10 central question of what we're interested in when we talk  
11 about preventing structural deterioration anyway.

12 Are we interested in using a biomarker of a  
13 synovial pannus eroding into bone at the lateral margin of  
14 a joint or are we interested more in the sort of global  
15 impression of what's happening to the structure of the  
16 joint as it progresses in rheumatoid arthritis?

17 I think I would argue that the latter is what  
18 we're interested in, and the best way we know how to define  
19 that latter entity, that latter construct, is by using some  
20 kind of summary score, either a summary joint-space  
21 narrowing/erosion score or the Larsen score, which  
22 summarizes it as a global score, and which I don't think  
23 any of us are recommending using, but I think to focus on  
24 erosions alone doesn't necessarily give us what I think in  
25 the clinical trial methodology groups we would call content

1 validity, meaning it doesn't give us the range of outcomes  
2 we're interested in.

3 It doesn't get the whole picture of what goes  
4 on in the joint, which is structural deterioration.

5 DR. ABRAMSON: Okay. Lee?

6 DR. SIMON: But my problem with that, David, is  
7 that the structural deterioration may take place at a  
8 certain point, regardless of how much active inflammatory  
9 disease is taking place.

10 So therefore, although it's convenient and nice  
11 and may achieve a certain validity in the kinds of studies  
12 that you're talking about, it may actually reject the  
13 provision or the reality that a certain amount of damage  
14 will ensue, and that we consider the osteoarthritis of the  
15 burnt-out rheumatoid arthritis.

16 So thus, one might actually get a good response  
17 to the drug to stop the disease, and yet because so much  
18 damage had already taken place, there's still further  
19 progression that you would not alter with the particular  
20 intervention that you're using.

21 So I think that the problem is, is that we're  
22 short of understanding all the biology. We have a lousy  
23 imaging technology, although it's the best that we have.  
24 There's more stuff coming on the horizon maybe that will  
25 help us a lot more, and no one has really done a good job

1 of correlating the x-ray change to function.

2 So we don't even know what the small x-ray  
3 change means in the context of what you asked for, is  
4 what's important for the clinical outcome.

5 DR. ABRAMSON: Yes?

6 DR. MILLS: I'd like to make a comment, also,  
7 in terms of getting all of the information. You certainly  
8 want it all.

9 My concern right now in seeing the data from  
10 this trial is that we appear to have two different response  
11 rates that are working. Your joint-space narrowing seems  
12 to be working at a different time interval, certainly not  
13 in this interval for this patient group; whereas, the  
14 erosions are being affected.

15 So you want to get all of the information and  
16 certainly bring it back to the clinical evaluation. The  
17 concern is, is that we are seeing these different response  
18 rates. So they may propose a trial to us with erosions  
19 only, but we want to see all of the data to come in, so  
20 this committee can assess it, because, frankly, you have a  
21 very limited historical data set right now, which time we  
22 reach back for it, we find it is to certain extents flawed,  
23 and so when extending back into our evaluation, we say,  
24 we've got to have this data and evolve it from here.

25 DR. ABRAMSON: You know, it's a very important



1 discussion because we've taken x-rays to become a gold  
2 standard, when in fact they're the surrogate endpoint for  
3 clinical outcome.

4 So now we begin to get this data, and we have  
5 to then validate what's predictive of disability and  
6 problems. So it's another piece of information that's not  
7 available.

8 DR. FINCK: Can I just add as the sponsor that  
9 I don't think there'd be a time when we would only read for  
10 erosions.

11 DR. ABRAMSON: Right.

12 DR. FINCK: Obviously, we want as much complete  
13 data on the pathophysiology of this as the members of the  
14 committee.

15 But I do think there are differences in the way  
16 drugs work and how they affect the mechanisms, and that you  
17 might actually see a differential effect as we saw in this  
18 trial.

19 DR. ABRAMSON: Right.

20 DR. JAY SIEGEL: And the question was not  
21 suggesting that one should only read for one element, but  
22 one likes prospectively to determine a primary measure for  
23 various reasons.

24 DR. ABRAMSON: David?

25 DR. FELSON: I guess I want to make a

1 measurement comment, which is, I'm not sure you saw  
2 different effects in this trial.

3 I mean, you saw parallel curves for  
4 methotrexate and Enbrel for joint-space narrowing, and if  
5 one assumes that methotrexate has substantial effects on  
6 joint-space narrowing, then Enbrel does, also.

7 Okay. You saw slightly greater effects in  
8 erosions, and I'm not sure that the differential effects  
9 are really clinically important or meaningful. I mean,  
10 it's just not at all clear that the distinctions that are  
11 being made among all these different trials in terms of  
12 what changes with what are all that meaningful.

13 DR. ABRAMSON: One last comment from Dr. Sharp,  
14 and then we'll go to F.

15 DR. SHARP: I have a comment that x-ray changes  
16 don't correlate well with other things.

17 There are many studies that show that the x-ray  
18 score correlates not at a very tight level but correlates  
19 with function, correlates with deformities, correlates with  
20 limitation of motion.

21 We know that there are measurement problems  
22 with some of these, and we also know that the curve against  
23 time of disability is a different shape than x-ray.  
24 Disability early in the disease is pain and swelling.  
25 Later on, it's anatomical damage.

1                   But these things do correlate, and if you  
2 project the change that we see over one year of observation  
3 over, say, a 25-year life span of many patients with  
4 rheumatoid, the difference between really active treatment  
5 and placebo in bygone years when placebo treatment was  
6 legitimate is really very striking, and you would predict  
7 there'd be a big difference in the functional ability and  
8 the deformities at the end of 25 years of effective  
9 treatment, and that assumes that treatment continues to be  
10 effective throughout, which we don't necessarily know at  
11 this point.

12                   DR. ABRAMSON: Okay. Thank you.

13                   All right. Let's move on to the last question  
14 on this page.

15                   "This trial was conducted in patients with  
16 early RA, less than three years' duration. Do the data  
17 support a claim that Enbrel delays radiographic progression  
18 in patients with early RA? And to what extent can the  
19 radiographic data be generalized to patients with  
20 longstanding disease to support a general claim for  
21 delaying radiographic progression?"

22                   So anyone like to comment first on this? Yes,  
23 Dr. Simon?

24                   DR. SIMON: Well, I actually have a question as  
25 it relates to this question, because the slide that was

1 presented by the sponsor didn't use this terminology.

2 What are we asking in that context? Are we  
3 talking about just slowing progression or are we talking  
4 about prevention of damage?

5 DR. JAY SIEGEL: Well, on the slide I guess the  
6 sponsor used the word "preventing," and maybe the guidance  
7 document uses the word "preventing."

8 As you see from the data in this trial,  
9 progression occurred on both arms. Neither arm was better  
10 or even as well off at the end of the trial as they were at  
11 the beginning of the trial, and I don't think, if you read  
12 the document, it wasn't presumed that the standard for  
13 getting a claim regarding progression was that there be no  
14 progression whatsoever, that the disease stabilized, and  
15 that's why the question is in terms of whether there could  
16 be a claim of delaying. Maybe there's other wording that  
17 would be better than delaying, but diminishing or whatever.

18 DR. SIMON: Well, that reason that becomes even  
19 more important is they did show other slides that showed  
20 evidence there were no new erosions, and I became confused  
21 because that could be construed as not having new erosions  
22 as a more biologically-evident event that you've prevented  
23 that disease process, because the progression of erosions  
24 may not be due to ongoing inflammatory disease. It may be  
25 due to the previous damage that took place that couldn't be

1 healed, and so I think this is a much more complex issue,  
2 and I think it does turn on what data we have, which is,  
3 what emphasis would we place on the data showing no new  
4 erosions in this year-long period, and were there any  
5 differences between the two products in that context?

6 We've not had good evidence before about no new  
7 erosions in the historical data sets that we've already  
8 referred to. So I think that there is something that we  
9 have to grapple with there, and then the other issue is, is  
10 that it probably did slow progression, but how important  
11 that is, I don't understand.

12 DR. ABRAMSON: All right. To add to that, we  
13 based a lot of our prior discussion on using the historical  
14 controls in the literature, and we referred to the  
15 leflunomide database, and leflunomide does have approval,  
16 have some language in the label about preventing  
17 progression.

18 At some level, we have to discuss how  
19 comparable this language needs to be, since we base some of  
20 our conclusions on the comparator methotrexate in that  
21 study.

22 So to the extent that this says more than that  
23 label says, I think we have to be careful, and I think we  
24 need to discuss that.

25 Kent?

1 DR. JOHNSON: I think, actually, if that was  
2 the language we used, it may have been a mistake, because  
3 it speaks to a higher achievement than actually usually  
4 occurs, and we've actually remedied that in the OA document  
5 that's rolling along.

6 It should be pointed out, and maybe everybody's  
7 aware of this, that we have not recognized -- in the  
8 document, anyway -- a stand-alone claim, as I mentioned  
9 before, and leflunomide was approved on the basis of a  
10 couple trials, both of which had a placebo anchor, and from  
11 an evidentiary point of view, the methotrexate was  
12 irrelevant and the sulfasalazine which were the active  
13 controls.

14 DR. ABRAMSON: Okay. All right. So any other  
15 comments on this?

16 (No response.)

17 DR. ABRAMSON: Can you give us a clarification  
18 then in terms of Lee's comment and the Arava, as to, if we  
19 are going to take a vote here --

20 DR. SIMON: What are we voting on?

21 DR. ABRAMSON: Yes. What are we voting on?  
22 Are we in essence endorsing the request for the label  
23 change or are we -- you know, what is it then?

24 DR. JAY SIEGEL: Well, we need advice as to  
25 what to label, if anything, regarding the x-rays.

1 I guess I would say that I think that's  
2 potentially an important point. Jeff may be able to  
3 address it or the company better than I can, the difference  
4 between progression that occurs from expansion of  
5 preexisting lesions versus the development of new lesions.

6 I would let it suffice from my remarks to say  
7 that that's an exploratory analysis, that the measurement  
8 of erosion as primary analysis was the measurement as done  
9 in the Sharp score, which takes into account both of those,  
10 and it is with regard to that measurement that I was  
11 commenting that both groups progressed, although arguably  
12 greater progression on methotrexate.

13 Although I wouldn't want to restrict your  
14 thinking to the wording that we put here, I think that  
15 Kent's comments would be consistent with mine, that given  
16 this sort of finding, if we believe it merits a claim that  
17 the right wording isn't to prevent progression, if in fact  
18 there's less progression on one arm than the other arm, and  
19 whether the right wording is "delays progression" or some  
20 other is something we'd be open to, but I think the bigger  
21 question is, is there enough meaningful data about the  
22 effects of progression to indicate that this does affect x-  
23 ray progression, and then we can figure from there what  
24 sort of wording.

25 The second part of the question, of course,

1 relates to our concern if we know it happens in a one-year  
2 database, in fact, and the biggest difference was at six  
3 months, and obviously simply because the trial only lasted  
4 a year, we don't know beyond that, does that support a  
5 general claim or a claim for the first year of treatment or  
6 what?

7 DR. ABRAMSON: Bill?

8 DR. SCHWIETERMAN: Yes. I'd just like to  
9 second what Jay had to say.

10 The issues about radiographic progression,  
11 unfortunately, make the guidance document obsolete because  
12 there's no discussion about many of these issues. Healing  
13 of erosions, patients who are non-progressing, delaying  
14 radiographic progression and so forth. There's no  
15 hierarchy of claims in that particular subset, all of which  
16 matter.

17 We're not sure what those answers mean, but we  
18 deliberately did not phrase questions in this particular  
19 meeting here because there was enough on the agenda  
20 already, and, B, it would be, I think, a little bit  
21 premature to go into this at this particular point but not  
22 really premature.

23 Suffice it to say that this committee will be  
24 seeing from the agency questions and potential changes to  
25 the guidance document and all these things because we're



1 having to face these questions right now, the sponsors that  
2 are coming to us.

3 DR. ABRAMSON: Okay. So why doesn't the  
4 committee look at the first question under F?

5 "Do the data support a claim that Enbrel delays  
6 radiographic progression in patients with early RA?"

7 Before we take a vote on this, are there any  
8 other comments that people want to make? Janet?

9 DR. ELASHOFF: It seems to me that the claim,  
10 the more specific one is about what the data show, the more  
11 defensible the claim. So what we specifically, for  
12 example, see is a lower erosion score rather than more  
13 general words, like radiographic, more general words, like  
14 progression, and more general words, like delay.

15 DR. ABRAMSON: Well, you see some comparability  
16 to methotrexate, which, as we said before, might be  
17 preventing joint-space narrowing by previous studies.

18 DR. SIMON: In the comment you made before, are  
19 we not trying to set a new bar here?

20 I mean, the problem is, is that we do have  
21 precedent, and I would like to know what was written in the  
22 Arava label, because that really does make a difference,  
23 because whatever that said, we have to be careful to  
24 construct this in a similar fashion, if we believe this  
25 evidence is real.

1 So could somebody help me with this?

2 DR. ABRAMSON: Where's the PDR?

3 DR. GARRISON: We have the Arava label, if you  
4 would like it.

5 DR. ABRAMSON: Okay. Perfect. Thank you.

6 DR. SIMON: That's exactly what I was going to  
7 suggest, that in fact as per Janet's observation, this is  
8 addressing the observations. We can choose to maximize and  
9 minimize based on the issue, but it addresses all the  
10 questions we've really asked just now.

11 DR. ABRAMSON: All right. So the caveat in the  
12 first question here, though, is the phrase "early disease,"  
13 because I guess that -- so, let's take a vote just on that.

14 Assuming that the "delays radiographic  
15 progression" for the moment includes language on  
16 retardation, let's have a show of hands for those who  
17 believe that Enbrel delays radiographic progression in  
18 patients with early RA.

19 (Show of hands.)

20 DR. ABRAMSON: Okay. So it's --

21 MS. REEDY: Unanimous.

22 DR. ABRAMSON: So the harder question, "To what  
23 extent can the radiographic data be generalized to patients  
24 with longstanding disease to support a general claim for  
25 delaying radiographic progression?"

1                   Again, given that the Arava thing is non-  
2                   qualifying, comments?

3                   DR. SIMON: Well, unfortunately, in that they  
4                   designed an early RA trial, and the Arava data set was not  
5                   designed that way, in fact, it limits the observation.

6                   If we're going to be evidence-driven, the  
7                   evidence we have is that it's early on. In a broader data  
8                   set, as was the Arava data set, the evidence was clear in  
9                   both early on and later.

10                  We can argue back and forth to adjudicate this,  
11                  but, nonetheless, that's what the evidence is.

12                  DR. ABRAMSON: Other comments?

13                  (No response.)

14                  DR. ABRAMSON: So let's take a vote. "To what  
15                  extent can the radiographic data be generalized to  
16                  longstanding disease to support a general claim?"

17                  So everyone who thinks it can be generalized,  
18                  if you could raise your hand.

19                  (No response.)

20                  DR. ABRAMSON: Everyone who thinks it cannot be  
21                  generalized, raise their hand.

22                  (Show of hands.)

23                  DR. JOHNSON: Maybe I'm misunderstanding what's  
24                  going on. Let me just ask something.

25                  You're comfortable with generalizing backwards

1 from bad disease to mild disease to validate a methotrexate  
2 effect, yet you're not comfortable with generalizing  
3 forward from early disease to late disease? Maybe it's  
4 logical or maybe it's scientific.

5 DR. SIMON: No, not at all. That's why I used  
6 the term "Talmudic" in this discussion. I mean, it was an  
7 entire construct of assumption.

8 We don't have assumptions here. We have  
9 evidence that in early disease, there seems to be slowing  
10 in progression of damage. That's all we know.

11 DR. ABRAMSON: The language says, "Do the data  
12 support a claim for early RA"? Clearly, yes.

13 Any other comments?

14 DR. VAN DER HEIJDE: Yes. May I add a comment?

15 DR. ABRAMSON: Oh, yes. I'm sorry. I didn't  
16 see you.

17 DR. VAN DER HEIJDE: What you can see in the  
18 literature, that it's mainly disease activity that's  
19 driving if there's radiographic progression or not, and so  
20 it's mainly if you have disease, active disease, and if  
21 there's early disease or late disease, that's driving, if  
22 there's progression or not, and it's not really a  
23 difference in disease duration.

24 DR. ABRAMSON: Lee?

25 DR. SIMON: Actually, I would take great issue

1 with that.

2           There is historic evidence looking at  
3 pathologic specimens from patients with rheumatoid  
4 arthritis before we had such excellent therapy, where you  
5 could actually determine that in non-inflammatory  
6 conditions, in patients with pannus that was not driven by  
7 inflammatory cells, there was still destruction going on.

8           One could argue that in the heterogeneous  
9 biologic process, that we don't understand entirely what  
10 happens, and, furthermore, there's excellent evidence that  
11 people will have progression of disease when the disease  
12 burns out, meaning that their x-ray evidence of progression  
13 gets worse, and yet they have very little evidence of  
14 clinical active inflammation.

15           DR. ABRAMSON: Jeff, yes?

16           DR. JEFFREY SIEGEL: This issue of  
17 generalizability of x-ray findings from early stage disease  
18 to later stage disease is an issue we didn't really face  
19 when we were drafting the RA guidance document. It's  
20 something that has arisen relatively recently.

21           Given that you feel that the data really don't  
22 support a generalization, would you recommend or could the  
23 committee comment on whether it would be desirable to have  
24 a separate study, separate data, in early versus late or  
25 whether we should recommend the sponsors include later

1 stage patients as well as early stage patients in x-ray  
2 trial?

3 DR. ABRAMSON: It really does create a Catch-22  
4 for the corporation, because we've always wanted early  
5 studies, and now someone does an early study, and you say,  
6 well, you limit your indication to early disease.

7 I don't know how to answer. It's always easy  
8 to say do another study, but I don't know what the answer  
9 is.

10 DR. SIMON: Well, actually, this is really  
11 inherent to the problem that we're confronted with.

12 The company, as I understand it, was driven by  
13 two different questions. The first was they wanted to get  
14 approval for early use. They were limited in that, at  
15 least from a managed care point of view, and,  
16 unfortunately, I think they came with both that question,  
17 and they designed in the same trial this other question  
18 about structure, and, unfortunately, I would not have  
19 designed these two questions together to be answered by the  
20 same study. That's not what I would have done.

21 DR. ABRAMSON: Dr. Garrison?

22 DR. GARRISON: Just a couple of points.

23 I think that if you look at the patients  
24 enrolled in our trials, initially, they were all less than  
25 three years of duration of RA.

1           We have two-year data, a data set that will be  
2 complete in a month. So you can look at those patients at  
3 the outer limits here of being of five years' duration of  
4 RA, and this is within our one large, very complete data  
5 set.

6           I think I'm not as familiar with the Arava data  
7 set as many of you are. There were differences in disease  
8 duration in those trials. They ranged from 3.7 years to  
9 about 7 years' disease duration, and the label there does  
10 not exclude very early use, and I guess the underlying --  
11 well, I guess I'm having a difficult time with this,  
12 showing the consistency of the clinical response in all of  
13 the studies that we've done, peds, you name it,  
14 longstanding disease, very short disease.

15           We've shown that we have the same clinical  
16 effects here, and it is a leap to think that you'll have  
17 the same kinds of radiographic effects, but I do believe  
18 that the disease is linked, clinical and radiographic  
19 activity is linked.

20           DR. ABRAMSON: Right. I think that's an  
21 important point, and I think what Dr. Simon was getting at  
22 is that we don't know what disease at 15 or 20 years is  
23 like in terms of its responses. So we presume it would be  
24 likely to respond similarly.

25           I think the agency should just understand that

1 this vote reflected the way this language, this question --  
2 we were asked a very simple question -- "Can this data be  
3 generalized?" -- and we answered no.

4 I think how this label comes out is a different  
5 question that ought to be in the discussion between the  
6 sponsor and the agency, and the Arava database and  
7 labeling, I think, is a model. I'm speaking for myself  
8 right now.

9 I think we were responding to a very directed  
10 question, and I think this other discussion is much more  
11 complicated, and it should go on separately.

12 DR. SCHWIETERMAN: Yes. I apologize if this is  
13 somewhat confusing.

14 Clearly, we have to have collaboration with the  
15 Center for Drugs, and we do that anyway with many, many  
16 things, and I think we'll take this advice to collaborate  
17 and work out a meaningful and fair comparison between the  
18 product.

19 DR. ABRAMSON: Okay. I want to thank the  
20 sponsor and the committee and everyone here.

21 We will reconvene for a closed session at 2:30.

22 (Whereupon, at 1:50 p.m., the open session was  
23 adjourned.)

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