

1 DR. GANLEY: If you just wait one second.

2 DR. SULEIMAN: I guess with regard to what
3 Dr. Avigan was talking about phenytoin interaction
4 what we know is based on limited numbers of subjects
5 and based on, I believe about three studies that were
6 conducted. The studies showed mainly an increase in
7 plasma levels of phenytoin by about 15 to 20 percent.

8 There was one study, of course, in
9 epileptic patients which did not show any significant
10 pharmacodynamic adverse events associated with that
11 increase in plasma levels which was conducted by the
12 sponsor. Those are the only available data that we
13 have at this moment.

14 DR. CANTILENA: Okay. Are there any other
15 questions specifically about the pharmacokinetic data
16 that we saw? Dr. Davidoff.

17 DR. DAVIDOFF: I had a question about some
18 pharmacokinetic data that we didn't see and that had
19 to do with digitalis drugs because the therapeutic
20 margin -- of course if their dig is relatively narrow.

21 The patients taking it are often quite fragile and
22 are electrically unstable. I just wondered if there
23 are already data that would help us decide about if we
24 should be thinking about that for the label or not.

25 DR. CANTILENA: Is the sponsor aware of

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1 any interactions with dig?

2 DR. TRIEBWASSER: Can I introduce Dr.
3 Tommy Andersson? He's our pharmacology expert on
4 omeprazole.

5 DR. ANDERSSON: I'm sorry. Can you repeat
6 the question?

7 DR. DAVIDOFF: Yes. The question is about
8 interactions with digitalis derivatives specifically
9 because the therapeutic margin is so much smaller for
10 dig than many other drugs.

11 DR. ANDERSSON: That is not an interaction
12 on the metabolism level as was suggested in the
13 presentation before. That's an absorption
14 interaction. I mean, digoxin are degraded in the
15 stomach before it's being absorbed by some bacteria
16 degradation.

17 By increasing the pH that degradation
18 prior to absorption does not happen. That's what we
19 see here as an increased AUC or some 10 percent as an
20 average value in the study we did. It's nothing to do
21 with metabolism.

22 DR. DAVIDOFF: The mechanism isn't so
23 important as the end result. If there really is a 10
24 percent increase, that could be quite substantial for
25 some substantial number of patients. I wonder if that

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1 should be considered as a conservative thing to do to
2 put that on the label?

3 DR. ANDERSSON: That's more of a clinical
4 judgement, I guess.

5 DR. CANTILENA: Yes, Dr. Houn.

6 DR. HOUN: I'm just wondering if the
7 company could comment on other drug interactions with
8 diazepam
9 and clarithormycin.

10 DR. TRIEBWASSER: I was still under
11 digoxin and I found a study.

12 DR. CANTILENA: Okay. I'll take notes of
13 the other ones and we'll remind you.

14 DR. GANLEY: Could I just intercede with
15 just a clinical point as you're looking just to raise
16 this issue that patients with renal failure, for
17 example, were not tested and, again, some patients
18 were on digoxin and have other reasons to have reduced
19 clearance of the drug which in combination with such a
20 challenge might have a more exaggerated blood level
21 response.

22 For drugs where there is a narrow
23 therapeutic index, those are the kinds of issues that,
24 again, I don't believe have really been directly
25 tested. Those kinds of patients have not been

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1 stressed.

2 DR. TRIEBWASSER: Regarding clarithromycin
3 there have been three studies that have been done.
4 One study showed a positive interaction with a 15
5 percent change in clari levels and no changes in the
6 others.

7 I would like to address part of the
8 rationale with regard to which drugs perhaps should go
9 onto the label had to do with worse case scenario what
10 would be a clinically significant effect. Our feeling
11 was that, first of all, for clari this would not be
12 clinically significant.

13 Whereas with warfarin and phenytoin
14 although we regard the risk as exceptionally low, the
15 risks of extended prothrombin times of any cause
16 obviously have fairly significant medical
17 consequences. That was the rationale for choice.

18 I forgot the other drug in addition to
19 clarithromycin.

20 DR. CANTILENA: Diazepam, digoxin.

21 DR. TRIEBWASSER: We have -- we're relying
22 on our own data and other drug interaction studies
23 where with diazepam one can see what would appear to
24 be significant changes in clearance of the drug
25 between 25 and 54 percent.

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1 We referred in our submission to another
2 drug interaction study that was done between diazepam
3 and cimetadine which showed a similar level of
4 interaction but no clinically significant effects with
5 regard to CNS status. Again, based on the clinical
6 effect study we do not regard the interaction as
7 clinically significant.

8 DR. HOUN: That is a decrease in
9 clearance. Correct?

10 DR. TRIEBWASSER: Yes. Let me show slide
11 53 just so there is clarity on this. I would ask you
12 to look at the bottom two curves where we are looking
13 at the usual extensive catalyzers, and you can see the
14 difference. The bottom of this curve is when
15 omeprazole is coadministered with diazepam.

16 Then the second curve up is with placebos.
17 You are seeing a bit of a washout following the start
18 of treatment. This is intravenous infused on
19 diazepam.

20 There was a question on digoxin. I can
21 show this slide rather than waste time but we do have
22 evidence of a study where in a crossover study with
23 placebo or omeprazole there is actually no difference
24 seen in digoxin levels in that one study. It involved
25 22 subjects.

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1 DR. CANTILENA: If you have that data,
2 that would be good.

3 DR. TRIEBWASSER: I can -- could I have
4 slide 64. I apologize. This may be difficult to see.
5 It's the top most bar, digoxin. Elderly patients and
6 of 22, baseline and concomitant treatment so there is
7 a crossover study using digoxin doses of 0.125 to .25
8 milligrams daily. Omeprazole was administered 20
9 milligrams daily for 10 days and there was no affect
10 seen on the serum digoxin levels.

11 DR. CANTILENA: You mean no affect as in
12 statistically significant or whether outliers?

13 DR. TRIEBWASSER: We would have to dig
14 that data up.

15 DR. CANTILENA: Yeah. I think that
16 addresses some of the issues as best we can in the
17 setting.

18 What I would like to do now is actually
19 move to Dr. Katz to charge the committee and I think
20 sort of begin to focus our discussions on the issues
21 at hand. Then you will all have time to ask questions
22 and to share your comments about sort of everything
23 that has been discussed.

24 If I can now ask Dr. Katz to charge the
25 committee.

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1 DR. KATZ: Good afternoon. I feel like
2 you've already been charged with the issues and this
3 discussion has gone full speed ahead. But I'll take
4 you back again a little bit and kind of go through
5 some of the issues that we would like to -- that we
6 talked about earlier and we would like to have you
7 think about and focus on as you go through your
8 deliberations for the rest of the afternoon.

9 What I would also like to do is to
10 highlight a little bit about some of the products and
11 where we are in the current armamentarium of OTC
12 heartburn products. A little bit about the
13 prescription to OTC switch process. Then finally
14 touch on the issues that you will discuss this
15 afternoon.

16 In the interest of time I will skip around
17 a little bit from some of the slides since you do have
18 all of the slides available to you. Let's kind of
19 begin now with currently where we are in terms of the
20 OTC marketplace.

21 As we've heard, there are currently two
22 classes of products that are available OTC. The first
23 ones that have been out there the longest are the
24 antacids that are approved for the relief of
25 heartburn, that are actually indicated for the relief

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1 of heartburn only.

2 The H₂-receptor antagonists, also known as
3 the acid reducers, are approved for relief of
4 heartburn and prevention of heartburn as related to a
5 meal at different specified times depending on the
6 nature of the product.

7 As we have also heard today, Prilosec 1 is
8 not looking for these two indications but are looking
9 for the indication as a prevention of frequent
10 heartburn, frequent heartburn described as greater
11 than two episodes per week for a 24-hour period of
12 time.

13 When considering whether or not a product
14 should go from the prescription to the OTC arena,
15 there are a variety of different places where we stop
16 to look in the decision making process.

17 We look for the benefit-risk. The
18 consumer's ability to self-diagnose and self-treat the
19 condition. The consumer's ability to understand
20 labeling instructions including monitoring, follow-up
21 care, and treatment.

22 The ability of the consumer to understand
23 what the goal is that they should reach from the
24 treatment and if they've attained it. And the ability
25 to recognize any toxicity and, again, to understand

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1 what to do about it if toxicity does occur.

2 This is an old slide and I'll just kind of
3 run through it very simply again to compare and to
4 contrast the prescription versus the OTC marketplace.

5 When we have prescription drugs what we think about
6 are patients.

7 Patients have a disease or a condition
8 that requires monitoring and requires perhaps
9 prescription medication which the healthcare
10 practitioner is the one who prescribes what is
11 appropriate and follows the patient to make sure that
12 no adverse effects occur.

13 On the other hand, we have the OTC drugs.

14 In the OTC drugs the patient actually is the consumer
15 and they are seeking to relieve some kind of symptoms
16 when they go to purchase a product. No prescription
17 is needed and the consumer may or may not have the
18 benefit of somebody to give them advice at the point
19 of purchase depending upon whether or not they buy the
20 product.

21 So clearly the labeling must be
22 understandable enough for a consumer to understand
23 which product they might want to buy or choose to get
24 the maximum benefit that they may achieve which would
25 be the relief of their symptoms for very little cost

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1 which would be an adverse event.

2 We have also heard earlier today
3 descriptions about the actual use and label
4 comprehension trials. These are conducted on most
5 products that originally switch from the prescription
6 to the OTC world to be able to understand a little bit
7 about consumers behavior for using these products.

8 These studies are aimed at looking at the
9 consumer's ability to self-select, ability to use the
10 correct dosage for the specified time on the label,
11 the ability to identify when to see a physician, the
12 ability to identify serious as well as any adverse
13 events, and the ability to avoid any interacting
14 drugs.

15 With that, I would now like to turn
16 slightly to the issue -- to change gears a little bit
17 and just try and talk a little bit about the issues
18 for the discussion before you.

19 As you'll see, this is a brief summary of
20 the questions that you have in your package. But
21 these are some of the salient points again that we
22 want you to focus on.

23 The first would be as the sponsor
24 identified an appropriate target population? When
25 answering this question, we would like you to think

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1 about the symptomatic overlap with GERD. What happens
2 to consumers who have less than two episodes a week of
3 heartburn use the product. The issue of relative
4 contraindications.

5 The issue of recurrence of symptoms after
6 discontinuing therapy. The issue of chronicity of
7 therapy; that is, repeat dosings since the label
8 indicates that the treatment is only for 14 days and
9 symptoms may recur and consumers may need further
10 advice or may choose to use the product again.

11 And what to do about the acute symptoms since people
12 may again have acute pain that they want to have
13 relieved.

14 Further, other issues that you will be
15 asked to address would be has the sponsor demonstrated
16 that the consumer can adequately self-select to use
17 the product. Did consumers with recurrence understand
18 how to use the product. And has the sponsor proposed
19 an acceptable duration of therapy for OTC use
20 remembering that the OTC proposed label is for 14 days
21 and the currently proposed -- the currently approved
22 prescription labeling is for 28 for treatment of GERD.

23 Also for issue is part of the discussion
24 would be the short-term versus chronic intermittent
25 use of the product. The issues which we discussed

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1 earlier about delayed diagnosis of a potential serious
2 condition and concerns about rebound or recurrence
3 after discontinuing treatment.

4 Finally, we will ask you to address the
5 approvability. Has the sponsor provided sufficient
6 information to support the approval of OTC Prilosec 1
7 for the treatment of frequent heartburn.

8 In answering this last question, if your
9 answer is yes, we would also like you to address the
10 possibility of if there is any additional information
11 that you might feel might be needed to give that
12 answer such as additional information from the
13 sponsor, a Phase IV commitment, further labeling,
14 modifications that would help you to arrive at that
15 decision.

16 If the answer is no, we would also like
17 you to give very succinct reasoning as to why and what
18 kinds of things the sponsor might do to be able to
19 eventually combat or to be able to further deliberate
20 on this issue.

21 With that, I would like to turn the
22 meeting now back over to Dr. Cantilena to begin the
23 afternoon's discussion.

24 DR. CANTILENA: Okay. Thank you, Dr. Katz
25 for that excellent summary and I think sort of the

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1 beginning to help us focus on our discussion.

2 What I would like to do now is open the
3 sort of general discussion of the issues and we'll try
4 it just going in an open fashion. If it looks like
5 we're not getting anywhere, then we'll sort of go
6 issue by issue using Dr. Katz' handout. I would elect
7 not to do that to potentially inhibit individuals if
8 we just start that way.

9 I would like to hear, for example, from
10 some of the GI members about the issues that Dr. Katz
11 has just talked about, but there are other important
12 issues that can also be discussed. At this point
13 let's just open it for general discussion. Would
14 anyone like to start?

15 Are we ready to answer the questions?
16 Just kidding. Dr. Johnson.

17 DR. JOHNSON: As a non-gastroenterologist
18 I would like to hear what the definition or the
19 difference is between frequent heartburn and GERD.

20 DR. CANTILENA: Are you a
21 gastroenterologist, Dr. Brass?

22 DR. BRASS: Yes. No, but I thought about
23 this question for two years in the context -- nonstop
24 -- in the context of this particular switch and have
25 concluded that Dr. Johnson's question is theologic and

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1 that there is, in fact, no meaningful answer,
2 differentiation, and that focusing on the question
3 becomes a distraction.

4 Clearly while our evolution in the past 15
5 years of understanding about upper GI pathology has
6 led to both changes in our labeling of individual
7 patients and our management of individual patients.
8 From the patient's perspective nothing has changed.

9 They have this symptom of chronic
10 heartburn and they frankly don't care what you call
11 it. Also there is no doubt in my mind that patients
12 who are in this cohort that we are talking about now,
13 however, we label them, are currently being treated
14 with OTC medications. We are not, in my opinion,
15 opening up a vast new population.

16 We are shifting a population that is
17 currently being treated with OTC and considering an
18 option of another OTC paradigm for that same
19 population whatever you label them. I don't think it
20 matters. Nor do I think it matters to a primary care
21 physician who has a patient come in with these sets of
22 complaints. Again, they will treat that without
23 differentiation.

24 DR. CANTILENA: Comments from other
25 members of the committee? Dr. Cryer?

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1 DR. CRYER: I take a slightly different
2 view to the answer to that question. I think it is a
3 matter that is something more than theologic. I think
4 it is, in fact, a very practical issue. I think it is
5 actually, in fact, the crux of the issue being
6 discussed.

7 That is if you look at the currently
8 recommended treatment guidelines for the management of
9 the symptom of heartburn versus the treatment of a
10 chronic disease such as GERD it is critical what we
11 are actually -- how we are actually categorizing
12 what's being described as frequent heartburn.

13 So it is an issue really in my mind of
14 semantics but looking at the actual data, and this
15 gets to the crux of the question that I asked earlier,
16 what is the actual distribution of frequency of
17 heartburn that was experienced in the patients who
18 were evaluated in the trial.

19 We were provided data here. I guess this
20 was in Dr. Shetty's discussion. In this patient
21 population it looks like to me that 50 percent of the
22 patient population or greater was experiencing
23 heartburn four times per week or greater. In fact, 40
24 percent of the people have heartburn six or seven days
25 a week. As a gastroenterologist I would call that

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1 GERD.

2 I think if you look at the current
3 management guidelines as suggested, for example, by
4 professional associations such as the ACG, that
5 dictates a specific treatment course that is not one
6 that is episodic or that is associated with short-term
7 treatment.

8 DR. CANTILENA: Bryron, I think sort of
9 the issue of duration of therapy is something that we
10 are asked to comment on specifically. I'm sure that
11 will be something that is very important.

12 Other comments? Yes, Dr. LaMont.

13 DR. LaMONT: I'm a gastroenterologist and
14 I would like to side with the first speaker. I'm
15 sorry, I can't read your name from this distance.

16 DR. BRASS: Since you agree I will
17 identify myself as Eric Brass.

18 DR. LaMONT: Excuse me, Eric. I would
19 like to quote from the previous meeting that was held
20 here. Dr. Sid Cohen was a member of the group that
21 deliberated on this. Perhaps that is where the idea
22 about religion came in. He said, "Are you trying to
23 make a distinction between GERD and heartburn?" I
24 don't see how you can do it. I don't know a
25 difference.

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1 I think if you filled the room with a
2 group of Talmudic scholars, they couldn't tell you
3 either. There is no difference. I agree. I don't
4 think we should spend a lot of time trying to tease
5 this out because I don't think it's relevant to the
6 discussion.

7 DR. CANTILENA: As you see it, is it sort
8 of just a question of severity in terms of the number
9 of episodes a week?

10 DR. LaMONT: It's likely that the vast
11 majority, greater than 90 percent of patients that
12 have the symptom of heartburn, have reflux. Then I
13 guess we're going to argue about the word "disease."
14 Is it a disease? Do they have end organ histologic
15 changes in the esophagus?

16 I don't think it matters because whether
17 or not they have erosions or not, or Barrett's or not,
18 or whatever it is, relies on control of acid and that
19 is precisely what the medication does. I don't see it
20 as relevant.

21 DR. CANTILENA: Okay.

22 DR. CRYER: If I may have a rebuttal to my
23 colleague's opinion. I agree that the definition, the
24 semantics, really are not relevant. I guess what my
25 position is is that the course of treatment really is

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1 dictated by the severity or the frequency of whatever
2 it is that we're describing.

3 For individuals who have more frequent
4 disease, that would likely require either more potent,
5 more aggressive therapy or longer duration is
6 essentially the point that I think we actually agree
7 on.

8 DR. CANTILENA: Dr. Fogel.

9 DR. FOGEL: I think I agree with Dr.
10 LaMont, although after the comment comes out you may
11 think that I disagree with him.

12 The majority of patients who have reflux
13 symptoms who have heartburn have what is called
14 nonerosive reflux disease where there is no structural
15 damage to the esophagus. Our professional society
16 says that it is okay to treat people with symptoms
17 actually for four to six weeks without doing any
18 investigation. The concept of treating someone for
19 two weeks, or even four weeks with an over-the-counter
20 medication certainly is within the range of what is
21 acceptable.

22 The concern that I have is that the use of
23 this drug may remove the physicians from the care of
24 patients with esophageal reflux. If you have a
25 treatment that is available over the counter that

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1 removes your symptoms, there is no need to see a
2 doctor. What we know is that a percentage of these
3 people will have Barrett's Esophagus.

4 A percentage of these people will have
5 erosive esophagitis which requires more aggressive
6 treatment. We won't be able to identify and treat
7 them appropriately because of the fact that their
8 symptoms will be controlled with this over-the-counter
9 medication.

10 The greater concern to me is not the two
11 weeks of treatment which the sponsor has suggested but
12 what happens to the people who take the medication
13 more than twice. From the use data and the
14 comprehension data, it appears that is a significant
15 risk.

16 DR. CANTILENA: I have just a quick
17 question for the GI doctors. A comment was made at
18 the beginning of the sponsor talk about when you
19 normally start someone on a PPI you go through some
20 screening questions.

21 I guess my question to you as some
22 specialist is will that interaction, will sort of the
23 information that you gain in that sort of history, can
24 that be substituted by the label? Are you comfortable
25 with that substitution, the interaction that you have

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1 version on the box on the shelf?

2 DR. FOGEL: Most of the patients who come
3 to the people in our practice, and I guess for most
4 gastroenterology practices, are already on PPI. They
5 are already receiving medication. These are drugs
6 that are prescribed by the primary care physicians. I
7 guess the question is whether the primary care doctors
8 ask those questions.

9 DR. CANTILENA: Any other comments from
10 GI? Then we'll go to primary care.

11 Go ahead, Ed.

12 DR. GILLIAM: My question goes to the
13 actual use trial. It's at the three-month follow-up
14 more than 58 percent had their heartburn return but
15 only 20 percent went to their healthcare provider.
16 My question to our GI folks is how much does that
17 concern them and do we need to have stronger labeling
18 for follow-up if your heartburn returns.

19 DR. CANTILENA: Dr. LaMont.

20 DR. LaMONT: Yeah, I can start. We have
21 already discovered in discussions during the break
22 that there is a big range in how frequently or how
23 soon we decide to endoscope patients and look for
24 disease.

25 There's one group that would say you don't

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1 have to start looking for Barrett's until you've had
2 heartburn for 10 years which is what a lot of
3 gastroenterologists do. That leaves a lot of time for
4 starting and stopping medications.

5 Others feel, for example, Peter Karilosys,
6 a noted esophagologist, he says any patient who
7 requires continuous maintenance medical therapy should
8 undergo endoscopy to rule out Barrett's Esophagus.
9 You have a huge range here. I think the incidence of
10 Barrett's is low.

11 The number of patients with Barrett's who
12 get cancer is very low indeed. It only comprises a
13 tiny wedge of the entire pie of adenocarcinomas of the
14 esophagus. I think the danger could be easily
15 overstated of delaying workup, if that's what your
16 question is.

17 DR. GILLIAM: So then you wouldn't have a
18 problem with these people who have heartburn that --

19 DR. LaMONT: Don't get studied?

20 DR. GILLIAM: -- don't get followed up and
21 don't see their primary care provider, whoever that
22 is.

23 DR. LaMONT: Unless they had some of the
24 danger signals that are listed on the label.

25 DR. CANTILENA: Dr. Goldstein and Dr.

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1 Brass.

2 DR. GANLEY: It occurs to me in listening
3 to this discussion that just as easily one could
4 interpret the 14 days of therapy or even, let's say,
5 in a certain percentage of instances a second course
6 of therapy as a filter as those who are relieved,
7 well, of course, by definition get relieved. Those
8 who are not clearly will be directed -- apropos Dr.
9 Fogel's earlier comment, will be directed not away
10 from the medical establishment but into it truly
11 needing it.

12 DR. CANTILENA: Dr. Brass.

13 DR. BRASS: Yeah. Again, I think it
14 helped me to crystalize this problem in terms of
15 putting it into another context. That is, I truly do
16 wish everybody who had chronic uncontrolled symptoms
17 or minimally controlled or required chronic therapy
18 would, in fact, go see a healthcare professional for
19 advice.

20 All the data continues to say those
21 patients are already out there not getting advice.
22 Look at the entry cohort. The entry cohort into the
23 actual use study and other cohorts we've seen
24 presented here and a number of other studies. There
25 is no doubt in my mind these patients are out here.

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1 To say that just because they happen to
2 use this OTC product versus another, there is a
3 different expectation. I don't think it's realistic.

4 The fact that we are directing a portion of the
5 cohort, though not as large a cohort, might be
6 interpreted as some positive impact. I think again in
7 my thinking the fact that these patients are out there
8 right now self-treating is really critical to
9 providing a context for what the impact is going to
10 be.

11 DR. CANTILENA: Dr. Camilleri.

12 DR. CAMILLERI: Just to expand on that
13 point but to give it a slightly different twist, I
14 believe marketing studies have been done with regard
15 to the prescription practices for PPIs. It certainly
16 appears that at least 50 percent from my recollection
17 -- and the sponsor's may have a more accurate
18 assessment -- at least 50 percent of prescribed PPIs
19 is still for the symptoms of heartburn and GERD.

20 To dismiss this as a nondoctor oriented
21 issue that is dealt with entirely in the community
22 with over-the-counter preparations I think would also
23 be an error.

24 DR. CANTILENA: That's a very good point.

25 Other general comments or specific

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1 comments? Yes.

2 DR. NEILL: Richard Neill. I'm a family
3 doctor at the University of Pennsylvania. I sat
4 through the meeting two years ago when we were
5 presented data about the 10 and 20 milligram dose and
6 I appreciate the work that the sponsor has done to
7 address some of the concerns that were raised then.

8 My remembrance is not as clear as the
9 transcript in our book, but to summarize my memory
10 this combined group felt that the 20 milligram dose
11 was safe and effective, the patients could self-
12 select. We asked for an indication that would fit.

13 It seems like you have come up with that
14 in this frequent or recurrent heartburn. I think it's
15 appropriate if we discuss some of the concerns about
16 whether or not allowing a medication like this over-
17 the-counter is going to result in patients who never
18 come in to see the physician or a healthcare provider,
19 and yet it's clear those patients are already there.

20 They are already taking other medicines.
21 There are also obviously other contributors to
22 Barrett's Esophagus and morbidities that face those
23 patients which have never been discussed by the group
24 and probably aren't the proper topic for us, but
25 which, I think, put the risk of Prilosec in tiny, tiny

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1 perspective given the risks that they bring to the
2 table.

3 I guess what I'm doing is building up to
4 an overall conclusion of the things that I've heard.
5 It certainly seems to me like something that ought to
6 be approvable. I guess I would like to get on to
7 answering the specific questions about the advice that
8 FDA staff is looking at since much of the discussion
9 that we're having now seems to remind me of what we
10 talked about two years ago.

11 I don't think we're talking about safety
12 and efficacy today. We did that two years ago. I
13 think we're talking about patient selection for this
14 indication and labeling and label comprehension for
15 this indication.

16 DR. CANTILENA: I think that is exactly
17 what we're talking about. We have to make sure that
18 everyone is on the same page and everyone is
19 comfortable with having an understanding so we can go
20 forward.

21 Any other general comments before we start
22 to address the questions? One more. Dr. Cryer.

23 DR. CRYER: Actually I'll follow-up on a
24 point actually that was raised by both Dr. Goldstein
25 and Dr. Brass. I guess it's the issue of how we see,

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1 or how maybe we might discuss the differences between
2 kind of the acid reduction therapies, the currently
3 available H₂-blockers and how would that differ with
4 respect to OTC use and kind of my view on it.

5 I agree entirely with you. We're talking
6 about a very safe and effective class of medication,
7 specifically the PPIs. I think the major difference
8 with respect to the consumer and OTC use is selecting
9 out severity of symptoms or selecting out severity of
10 disease, however we call it.

11 With the H₂-blockers clearly there is
12 going to be a population of individuals who are not
13 effectively treated by H₂-blockers. In many instances
14 that would likely drive them to further evaluation.

15 In contrast with a proton pump inhibitor,
16 for example, providing free access, open access to a
17 consumer, there would likely be a greater population
18 of individuals who would be more effectively treated
19 and, therefore, we are selecting out more severe
20 disease that might have otherwise have gone on for
21 medical attention.

22 I guess one discussion point, at least for
23 consideration, is what would be the consequence of
24 having selected out that more severe disease
25 population by having treated them with the proton pump

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1 inhibitor in an OTC fashion and are those consequences
2 significant clinically with respect to other down-the-
3 road consequences of not having involved a healthcare
4 provider for more severe disease.

5 DR. CANTILENA: I think that is a very
6 good point. Also the fact that these individuals will
7 probably recurrently treat themselves inadequately
8 possibly and what are the consequences of that which
9 hasn't been studied obviously. We have to sort of
10 estimate that with our expertise.

11 Dr. Brass and then Dr. Geller.

12 DR. BRASS: Yes. I think the proposition
13 posed is a very fair one. I think it is part of the
14 crux of the issue. Again, having thought about it,
15 where I came out is that to some degree it's the
16 ability of the individual consumer to replicate the
17 empiric therapy that would be done as a first round
18 therapy for a healthcare provider setting.

19 Though the duration might be different in
20 a healthcare provider recommendation, that an empiric
21 treatment with PPI would be done and if symptomatic
22 benefit was taken over a period of time people would
23 be happy and no further evaluation would be done. If
24 that empiric therapy was ineffective, further
25 evaluation would be done and that is certainly the

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1 intent of the labeling. Form a first-round decision
2 I'm very comfortable.

3 The concern is whether or not the warning
4 will be completely ignored and you'll get large
5 percentages simply going on continuous OTC therapy and
6 missing a cohort of unknown size both in terms of what
7 percentage of patients will do that and what
8 percentage of the cohort is at risk if they do that
9 and what your judgement is on that relative size. I
10 guess my bias is currently that is not a large product
11 if you look at the two different groups.

12 DR. CANTILENA: We have Dr. Geller and
13 then Dr. Levine.

14 DR. GELLER: A second concern aside from
15 the continuous administration that I have is how to
16 write the label clearly for distinguishing between
17 relief and prevention. I don't think that the company
18 has succeeded in that and I don't know how to do it.

19 DR. CANTILENA: Dr. Levine and then Dr.
20 LaMont.

21 DR. LEVINE: I'd like to make the point
22 that in my experience I have a lot of confidence in
23 patients with chronic heartburn. They know their
24 disease. They can almost tease out and tell the
25 physician when they come in, "I tried H₂S. I tried one

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1 and I tried two pills, etc., of the pill you gave me."

2 One of the interesting things is the day-
3 con score or the daily average consumption scores that
4 people who take Prilosec for chronic disease. Some 27
5 million Americans have nocturnal classical reflux. Of
6 that group a large proportion have classical GERD.
7 Maybe erosive or nonerosive gastritis.

8 The average score was 1.6 for PPI so they
9 are actually taking more than one a day. I do suspect
10 realistically patients will decide if they have more
11 severe symptoms they will try to relieve it with more
12 than one pill a day necessarily.

13 I think we ought to give a little more
14 confidence to the people out there with chronic
15 heartburn because they do know their disease. Most of
16 them -- many of them have been to doctors before.

17 I agree entirely with Dr. LaMont. I think
18 the physician has to get into the loop but I'm not
19 sure the physician has to get into the loop soon and
20 with the advice and counsel of the patient we can
21 probably do a pretty good job.

22 DR. CANTILENA: Thank you.

23 Dr. LaMont.

24 DR. LaMONT: I would just like to extend
25 that a little bit. In fact, there is some data from

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1 the Bardhan study that was reviewed this morning that
2 about half of the patients would have some kind of
3 recurrence so it's a big number.

4 What happens when patients recur if they
5 go to a healthcare provider be it a primary care
6 physician or a specialist they would probably be put
7 on omeprazole. In fact, the people that I would worry
8 more about are those that don't respond. Maybe they
9 have something else.

10 Maybe it's really gallstone disease or
11 angiectis or something else. I don't think a lot is
12 going to be lost by patients continuing this
13 medication for a period of time because it's precisely
14 what we're going to do anyway in the vast majority
15 without a big workup.

16 DR. CANTILENA: Okay. I would like to
17 move -- if there are no strenuous objections I would
18 like to move to the questions. We will not read the
19 big preamble under background and we'll jump to
20 subject area No. 1 which is population.

21 The first question is, "Is it acceptable
22 that some patients with GERD plus or minus erosive
23 esophagitis self-treat with OTC medication?" What I
24 would like to do is first get a show of hands and then
25 we'll go around and have you explain the circumstances

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1 that it's either acceptable or not acceptable
2 depending on your vote.

3 Let's say all in favor -- all in agreement
4 that it is acceptable to self-treat with Prilosec --
5 excuse me, with an OTC medication for this problem
6 raise your hand. All in favor? All opposed? Any
7 abstentions?

8 Okay. The vote was 16 to 2 with the
9 negative votes coming from Dr. Cryer and Ms. Cohen.
10 If I can actually ask Dr. Cryer to comment on why he
11 said no and then we'll ask everyone else.

12 DR. CRYER: There are two principle
13 concerns. I guess part of it has to do with the
14 duration of the therapy that is required for, and the
15 question is specific, GERD plus or minus erosive
16 esophagitis.

17 We've seen that and we know from
18 experience that while the PPIs are very effective, the
19 duration of therapy that would be required in an OTC
20 setting is likely to be more than 14 days,
21 particularly for someone who has erosive esophagitis.

22 Once these individuals come off of this
23 therapy, the efficacy studies indicate that there will
24 be a 75 percent recurrence of symptoms of frequent
25 heartburn within three days after cessation of

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1 therapy.

2 So it's not so much the initiation of
3 therapy but the expectation that there will be a
4 durable response with only short-term, and the
5 continued requirement for prolonged therapy.

6 Look at the population overall of the mean
7 results than some aspects of the presentations today
8 depending on whose presentation you listen to, either
9 the FDA's or the sponsor's. For the group overall it
10 looks like many people are able -- not all are able to
11 self-medicate. That definitely changes in 10 percent
12 of the population that was low literacy.

13 The thing that just sticks out in my mind
14 is that there was a 50 percent response rate in terms
15 of the label comprehension for individuals who fell
16 into that category. I think from a public health
17 perspective and a public health concern, I'm just not
18 so sure that even though we are potentially providing
19 greater access for them, that that would be the
20 appropriate thing to do for that specific subsection
21 of the population.

22 DR. CANTILENA: I agree with you on that
23 and we will have an opportunity further down the
24 questions to talk about that. I think that is a very
25 important point and I agree with you in that regard.

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1 Ms. Cohen, can I call on you to ask why
2 you voted no?

3 MS. COHEN: Dr. Cryer is very eloquent and
4 I have a feeling you're talking about people. We get
5 a little esoteric and we talk about all the people
6 seeing physicians. I would like to talk about all the
7 people who are not, the 44 million who don't have
8 health insurance.

9 I'm concerned about relief versus
10 prevention. I'm concerned that people have serious
11 problems and these might take care temporarily for 14
12 days, but they can't afford to go see a physician. I
13 am concerned about direct advertising to consumers.
14 What's going to be said to them? How much information
15 is going to be given to them? How much are they going
16 to know about relief or its periodic? I just feel
17 that the labeling is inadequate. I'm just worried
18 that we have to think about the consumers out there.

19 Dr. Cryer, I have a feeling you deal with
20 people and I work in some areas in the community.
21 It's not esoteric. It's really people just being able
22 to manage and can't afford a lot of things. I want to
23 make sure that people can take less expensive products
24 that will take care of the problem.

25 I'm concerned about those who have serious

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1 problems. Not everybody knows what angina is or a lot
2 of things. I don't think there's enough information
3 to help our consumers.

4 I repeat again I am very concerned about
5 direct advertising to consumers. We have to educate
6 consumers about diet and prevention and maybe some of
7 that will take care of needing to take any medication.

8 DR. CANTILENA: Okay. Thank you very
9 much. Thank you for your comments.

10 The next question that we're asked to deal
11 with is in the category of self-selection. The
12 question is, "Has the sponsor demonstrated that
13 consumers with heartburn can adequately self-select
14 use of Prilosec 1?" I think with this question we'll
15 also do similar style of voting. We'll vote by a show
16 of hands and then we'll go around to get individual
17 opinions if needed.

18 Let me call for the vote. The vote is all
19 who agree that the sponsor has demonstrated that
20 consumers can adequately self-select for the use of
21 this product, please raise your hand.

22 All who feel that the sponsors have not
23 adequately demonstrated that consumers with heartburn
24 can adequately self-select for the use of the product,
25 please raise your hand.

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1 Okay. Any abstentions? Anyone abstain?

2 Dr. Fogel, I think we missed your hand.

3 DR. FOGEL: I thought that they had shown.

4 DR. CANTILENA: Okay. So he was a yes.

5 So the final vote was three yes, 15 no. I think in
6 this case maybe if we go around the table and just ask
7 for individual opinions.

8 DR. TITUS: I want to enter into the
9 record the three yes votes were Drs. Brass, Levine,
10 and Fogel. The remaining votes are obvious from the
11 record then.

12 DR. CANTILENA: Okay. Thank you. Why
13 don't we start on this side of the table with Dr.
14 Davidoff. If you could, explain your answer or your
15 vote, please.

16 DR. DAVIDOFF: There are a couple of
17 levels. One is that the actual use study was based on
18 people who had actually read the label. But we also
19 know from a number of pieces of information, some of
20 which you've gotten today, that a very sizable
21 proportion of people don't even read the label to
22 start with which changes the denominator very
23 substantially.

24 On top of which, although there is some
25 argument about interpreting the data, it does look

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1 like a very substantial proportion of people select
2 themselves inappropriately no matter how you look at
3 the actual data of people who have read the label.

4 DR. CANTILENA: Dr. LaMont.

5 DR. LaMONT: Yes. My concern is about how
6 many times they might use it in a year and it may not
7 be appropriate for this particular question of self-
8 selection. My concern is how many times it can be
9 used over a period of time. I don't think the label
10 tells us about that.

11 DR. CANTILENA: Dr. Patten.

12 DR. PATTEN: Yes. My understanding is
13 that 24 percent of the self-selection population
14 incorrectly self-selected themselves. To me that's a
15 high percentage, unacceptably high.

16 DR. CANTILENA: Thank you.

17 Dr. Lam.

18 DR. LAM: I have the same concern as Dr.
19 Patten that some of the data provided did not actually
20 provide sufficient evidence that the consumer can
21 adequately self-select the product.

22 DR. CANTILENA: Thank you.

23 Dr. Levine.

24 DR. LEVINE: My concern is that a lot of
25 patients will not look at that label and we all

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1 recognize that whatever the label shows. The other
2 day I looked at the Pepcid AC label just because I
3 haven't seen an OTC label and I was very impressed
4 with bold print, red strips. I think that is very
5 important when you get into labeling.

6 I do think my vote was yes with the
7 provisal and thought that there would have to be some
8 type of educational campaign at the level of the
9 pharmacist, etc. I gave credit to the fact that there
10 is a group that won't even look at it but that we
11 absolutely need some type of educational campaign.

12 DR. CANTILENA: Thank you.

13 Dr. Gilliam.

14 DR. GILLIAM: My comments reflect Dr.
15 Davidoff. I do want to commend the sponsor on
16 especially the packaging which I think is actually
17 pretty good. It's just that we know that most people
18 don't read the package inserts or, again, the cartons.

19 If we can do, again, more education to get
20 people to actually read these and follow the
21 directions on the label, then I would be in favor of
22 it.

23 DR. CANTILENA: Ms. Cohen.

24 MS. COHEN: If I may read, please. This
25 is on page 3. "Thirty-three percent took the drug for

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1 less than 14 days. Only 48 percent of them had spoken
2 with their physician within the last year. Thirty-
3 five percent had not spoken to a healthcare provider
4 at all."

5 DR. CANTILENA: Dr. Neill.

6 DR. NEILL: I actually had a hard time
7 voting no because while I agree that the data suggest
8 from the actual use study that patients can't self-
9 select, of those that selected inappropriately, the
10 majority of those seemed to be patients who had
11 heartburn less than once per week and simply are
12 taking a very effective medicine for their not as
13 severe condition.

14 The remainder that fall into that group,
15 the majority of those appear to have conditions for
16 which the consequences of incorrectly self-selecting
17 are meaningless. While I voted no, that they can't
18 self-select, it doesn't seem to matter much.

19 None of the things that I've heard so far
20 are different for this product and this labeling than
21 what I've heard related to other OTC products that
22 require patient self-diagnosis of a condition that may
23 mask or represent other important problems. This is a
24 long way of saying while patients may not be able to
25 self-select perfectly, it's acceptable to me.

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1 DR. CANTILENA: Okay. Dr. Clapp.

2 DR. CLAPP: I find the package labeling
3 ambiguous and a little confusing. I can see room for
4 lots of error. First of all, notifying your doctor if
5 you've had heartburn for three months or longer
6 without talking to your doctor seems a little
7 sequitis. I'm sure that's an area that can leave lots
8 of question in terms of interpretation.

9 One of my other problems is I don't see a
10 clearly stated relative contraindication of saying --
11 not contraindication but saying that there is no acute
12 symptomatic relief with this medication.

13 Thirdly, I think that it should be stated
14 on the panel that there is no expectation that the
15 drug will work for you sooner than two or three days.

16 With those things in mind, I don't think it helps the
17 population adequately select for this drug.

18 DR. CANTILENA: Dr. Geller.

19 DR. GELLER: I thought that there were two
20 issues that weren't addressed by the sponsors. One of
21 them is repeat use because their study is only about
22 using the drugs for 14 days. The other is whether
23 patients expected relief -- immediate relief rather
24 than just prevention. These were not addressed.

25 DR. CANTILENA: Dr. Uden.

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1 DR. UDEN: I basically voted no on the
2 principle that the sponsor doesn't go into doing their
3 -- we haven't asked you do so that's why it's on
4 principle -- go into their label comprehension studies
5 with a benchmark that they are going to try to achieve
6 in all the populations that they are studying.

7 I'm still concerned about the low literacy
8 group in terms of their understanding the present
9 label at 50 percent. My final concern, and Dr. Clapp
10 touched on this, is that I think if we are concerned
11 about the individuals who have episodic heartburn less
12 than two episodes per week, that there has to be
13 somewhere in the label some expectations for efficacy
14 of the product, that it's not going to work for a day
15 or two or three.

16 DR. CANTILENA: Dr. Williams.

17 DR. WILLIAMS: My vote no was purely on
18 the basis that we know that people can identify
19 heartburn but specifically for Prilosec 1 there is an
20 indication for the prevention of heartburn. I think
21 too many people will look at the box and miss their
22 diagnosis of prevention. I think that the sponsor
23 should provide a little bit more caution as to it's
24 use, especially for prevention as its main focus.

25 DR. CANTILENA: Dr. Fogel.

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1 DR. FOGEL: I voted yes for the same
2 reasons that Dr. Neill voted no. Of the 290 people, I
3 think it was 169 were taking the drug because they had
4 heartburn less than one day a week. They were just
5 wasting their money.

6 Among those who had contraindicated
7 symptoms and contraindicated medications it's not
8 really clear what the actual medical risk is. I agree
9 with the other comments made around the table that the
10 labeling could be substantially improved but I think
11 that the sponsor is moving in the right direction.

12 DR. CANTILENA: Dr. Camilleri.

13 DR. CAMILLERI: Two points. One has
14 already been made. One in four patients got it wrong
15 in the self-selection process. The second is I still
16 think that the deselection study is an important one
17 in terms of risk management.

18 I think that the sample size was
19 insufficient. Even probably the study setting in a
20 kiosk in a mall probably didn't really address the
21 question in the right study population.

22 I don't think that this is a show-stopper.
23 This is the sort of study that can be done in the
24 future in terms of making sure that risk can be
25 managed because it is a very small quantitative risk.

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1 DR. CANTILENA: Dr. Brass.

2 DR. BRASS: I voted yes. I was so
3 impressed by the use of the word seepisodically that I
4 just had to vote yes.

5 DR. CANTILENA: Thank you, Dr. Brass.

6 DR. BRASS: We were forced to vote black
7 and white on a gray question. Clearly my yes vote
8 does not reflect my opinion that the label is perfect
9 and there are not things that can be done to improve
10 it.

11 Key to my vote was the word "adequately."
12 The implications of that word in terms of the
13 decision making in this cohort. I think that we have
14 to be very careful about our expectations about actual
15 use studies and label comprehension studies.

16 Those of you who have not looked at lots
17 of these studies and understand the kind of protocols
18 and the mechanisms and the all-comers type of data, I
19 mean, to pretend that these numbers have absolute
20 significance, I think, is really overextrapolating.

21 My standard is always intimately related
22 to an understanding of the consequences of getting it
23 wrong. And as has been pointed out by several of my
24 colleagues, that in terms of the self-selection
25 criteria the errors would be of no clinical

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1 significance and would be auto-correcting in terms of
2 subsequent decisions based on the experience of the
3 incorrect selection and represent, therefore, no
4 incremental risk from a public health or an individual
5 subject perspective. Therefore, I voted yes.

6 DR. CANTILENA: You are sort of rolling
7 question five into question two basically.

8 DR. BRASS: Everybody else was rolling the
9 label into it and redosing.

10 DR. CANTILENA: That's all right. You
11 don't have to apologize.

12 Dr. Cryer.

13 DR. CRYER: The reasons in support of my
14 vote no have already been stated.

15 DR. CANTILENA: Dr. Johnson.

16 DR. JOHNSON: I voted no but it was,
17 again, sort of a difficult no vote on a gray question.
18 I felt that strictly speaking they hadn't adequately
19 shown, but I agree with Dr. Neill and others that
20 those who selected incorrectly is probably clinically
21 irrelevant.

22 DR. CANTILENA: Comments from Dr. Alfano
23 and Dr. Goldstein.

24 DR. ALFANO: I would have voted yes on the
25 basis that people are already self-selecting products

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1 over the counter to manage this condition de facto. I
2 thought there was a reasonable job done to achieve
3 better education with the label. I do believe,
4 though, as has been stated several times, the label
5 could be improved.

6 DR. GOLDSTEIN: I would have voted as well
7 yes, but I would like to make an observation to
8 address directly something that Dr. Levine said and
9 indirectly other members of the panel and which the
10 sponsor cannot make.

11 It is widely acknowledged within our
12 industry that they are probably the best at addressing
13 the consumer. They have had long experience in a
14 variety of fields. And I think in terms of education
15 the concern of Dr. Levine and, indeed, of all of us I
16 think they will develop the programs and are certainly
17 able to and have done so in the past to address that
18 particular issue.

19 DR. CANTILENA: Thank you. We are on to
20 subject area number three.

21 DR. PEURA: (Inaudible.)

22 DR. CANTILENA: I'm sorry? Is there a
23 comment you want to make?

24 DR. PEURA: A couple of comments that I
25 have heard repeatedly around the table that I really

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1 would like to just respond to. One is the comment
2 about 50 percent self-selection within the low-
3 literate population in the label comprehension study.

4 DR. HOUN: I just want to make sure from
5 the Advisory Committee rules is this okay to have an
6 open discussion now? Is it going to influence further
7 questions? I just don't want to have --

8 DR. CANTILENA: I understand. In fact,
9 why don't we just say if you have a specific comment
10 that would correct something that has been stated
11 incorrectly, that would be good. Other than that, we
12 have to go on with the questions. If there was
13 something that was assumed that is not factually
14 correct that you have data for, sure, that's fine. If
15 we are going off --

16 DR. PEURA: Well, the statement that I was
17 going to address is that the 50 percent
18 comprehensional low-lit in the label comprehension is
19 factually correct. I think we lose cite that in the
20 actual use study the low-lit numbers were considerably
21 higher than that.

22 Also the question of whether it's
23 effective on the first day or not. The drug does
24 begin to become effective on the first day. The first
25 day is statistically significant. It's not like it

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1 doesn't work then.

2 DR. CANTILENA: Okay. The point is that
3 the actual use data is a little bit different than the
4 comprehension study.

5 DR. UDEN: I absolutely understand that it
6 starts working the first day. When do they appreciate
7 their symptom resolution, though? That was my
8 concern.

9 DR. PEURA: We have data on symptom
10 resolution on day one. They do appreciate it.

11 DR. CANTILENA: Okay. Thank you. Let's
12 go ahead and get back to subject area three, actual
13 use. The specific question is, "Did consumers who had
14 a recurrence of heartburn symptoms respond
15 appropriately?"

16 They want you to specifically comment on
17 the likelihood that consumers will seek advice from a
18 healthcare professional or the likelihood of the
19 consumer using the product again without the advice of
20 a healthcare professional.

21 DR. GELLER: Could I address the quality
22 of the question?

23 DR. CANTILENA: Actually --

24 DR. GELLER: I don't think the studies
25 were designed to answer this question.

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1 DR. CANTILENA: I think here they are
2 actually asking for advice based on your experience,
3 your specialty and expertise. The questions have been
4 revised, edited, thought about, and we are just going
5 to try to answer the questions as written.

6 In the comments that I will solicit from
7 everyone, you are certainly free to say, "If you had
8 asked me X, I would have said Y." I think for the
9 purposes of the committee, why don't we just stick
10 with the program as they say.

11 DR. LEVINE: Mr. Chairman.

12 DR. CANTILENA: Who is talking?

13 DR. LEVINE: Dr. Levine here.

14 DR. CANTILENA: Okay.

15 DR. LEVINE: Could you possibly since this
16 leads into number four, I think, directly, could you
17 combine three and four? Some of our answers would
18 complete be dependent on the duration of therapy.

19 DR. CANTILENA: I understand that but
20 there is a specific reason why they want to separate
21 these out internally with the divisions. We've had
22 this conversation. That was my first suggestion as
23 well and then the explanation, I think, was
24 satisfactory. It will take a little bit more time but
25 we are significantly ahead of schedule.

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1 DR. FOGEL: Mr. Chairman, I also have a
2 question. There is a great variation in treatment of
3 people who have recurrent symptoms. What exactly is
4 the appropriate treatment that they should have done?

5 DR. CANTILENA: I actually think that
6 would be in your mind what you think they should have
7 done. We would ask you to explain that as we go
8 around the table because you are exactly right.
9 Really sort of depending on your specific views, that
10 certainly can change. There is no gold standard that
11 is accepted.

12 I agree it's a difficult question but there are a lot
13 of reasons why we will answer the question so we will
14 answer the question.

15 Okay. So as you are thinking about this,
16 have in mind sort of the specific data that you are
17 referring to. Let me pose the question to the
18 committee. All those who believe that the consumers
19 did respond appropriately when they had a recurrence
20 of heartburn symptoms, please indicate in the
21 affirmative by raising your hand.

22 All those who feel that consumers did not
23 respond appropriately, please raise your hand and kept
24 them up for a minute. Sandy is straining.

25 Okay. Can we have the nos vote again,

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1 please. All those who feel the consumers did not,
2 please raise your hand.

3 DR. GELLER: I'm having a little trouble
4 finding exactly the data that I'm looking for here.

5 DR. CANTILENA: Okay. The recurrence data
6 in the actual use study.

7 DR. PEURA: Dr. Cantilena, would you like
8 the slide?

9 DR. CANTILENA: Actually, I think we have
10 your slides. Correct?

11 DR. PEURA: Yes. Slide 45.

12 DR. CANTILENA: Slide 45.

13 DR. GELLER: That really doesn't tell us
14 what they did.

15 DR. CANTILENA: What about the FDA slide?

16 DR. GELLER: Then there is --

17 DR. CANTILENA: 27 on Shetty's slide.

18 DR. GELLER: Thank you.

19 DR. CANTILENA: Our numbers did not add up
20 so what we'll do is we'll revote here in just one
21 minute. Slide No. 27 of Dr. Shetty's presentation.
22 It lists exactly what people did when they had their
23 heartburn return by percentage.

24 The question to the committee is, "In your
25 opinion is that an appropriate response based on that

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1 study?" What we'll do is Dr. Titus will read the no
2 votes and see if we missed anybody.

3 DR. TITUS: The nos are Dr. Camilleri, Dr.
4 Cryer, Dr. Clapp, Davidoff, and Ms. Cohen.

5 Dr. Uden, are you a no?

6 DR. UDEN: I'm a yes.

7 DR. TITUS: Okay. So there are five nos.
8 That means everybody else voted yes.

9 DR. CANTILENA: Hold it. There's -- okay.
10 There's one abstention.

11 What's the final?

12 DR. HOUN: Sandy, you should just do this
13 again. Yes, no, abstentions.

14 DR. CANTILENA: Start from the top. Take
15 it from the top. All who believe that the consumers
16 acted appropriately with a recurrence of their
17 heartburn symptoms, please raise your hand indicating
18 yes, that they acted appropriately. Keep your hands
19 up, please.

20 Okay. All you feel that the consumers did
21 not respond appropriately, please raise your hand and
22 keep them up. Okay. All who have abstained. Okay.
23 So we have 12 yes, five no.

24 DR. TITUS: The record needs to show that
25 Dr. Geller was an abstention. The remaining 12

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1 members on the committee voted yes.

2 DR. CANTILENA: Okay. Now what we would
3 like to do is to go around the table and this time
4 we'll start on this side. We'll start with the voting
5 members and then we'll come back to Dr. Alfano and Dr.
6 Goldstein after we complete the circle.

7 Dr. Johnson, if you could tell the FDA why
8 you voted the way you did.

9 DR. JOHNSON: I voted yes. There are
10 several reasons for that. One, I think that the
11 responses of individuals probably wasn't perfect and
12 didn't follow necessarily the package instructions
13 because only 20 percent consulted a healthcare
14 professional.

15 The majority did something. Most of them
16 sought other therapy, in some cases prescription
17 therapy. My sense is that many of them if this
18 product was available OTC would seek another course of
19 this therapy. I guess I'm not terribly concerned
20 about that because my impression is if they saw a
21 physician, the physician would probably give them a
22 course of this therapy.

23 DR. CANTILENA: Dr. Cryer.

24 DR. CRYER: I voted no. I agree with
25 several of the comments that Dr. Johnson made. The

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1 perspective I come from is I see the entire goal of
2 this is if the patients, the consumers are not
3 responsive to therapy, it's to get them to a
4 healthcare provider. That's been a recurring theme in
5 our discussion today.

6 Looking specifically at the proposed
7 label, it states, "Do not continue beyond 14 days
8 unless directed by your doctor. If you frequent
9 heartburn continues or returns, it could be a sign of
10 a more serious condition."

11 It's the specific statement with specific
12 instructions to the consumer that recurrence could
13 indicate a serious condition but, nevertheless, only
14 20 percent of those individuals went to a healthcare
15 provider. I think, in my opinion, that constitutes a
16 no.

17 DR. CANTILENA: Thank you.

18 Dr. Brass.

19 DR. BRASS: I voted yes because I rewrote
20 the question in my own mind and I posed it to myself
21 as if the results of the actual use study were
22 replicated in the general population would you care?
23 No, would you mind so I could vote yes. I won't mind.

24 The point is, I don't care. It's fine.

25 DR. CANTILENA: What did you vote anyway?

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1 I forget now.

2 DR. BRASS: Because this profile if it
3 occurred in the general population would be okay with
4 me. That apropos of Dr. Cryer's point, I would have
5 been very interested in the breakdown of a follow-up
6 based on symptomatic relief during the primary
7 treatment course.

8 In other words, did those 30 percent who
9 didn't respond, were they more likely to have sought
10 medical attention whether or not they recurred quickly
11 after. In other words, how did the clinical response
12 predict the segregation in terms of behaviors
13 afterwards, I think, would have been interesting data
14 to help address that point.

15 DR. CANTILENA: Dr. Camilleri.

16 DR. CAMILLERI: I voted no because I
17 looked at the actual use study as a trial run of what
18 would happen if and when this medication was approved
19 for the OTC market. The answer to me is unequivocally
20 that people did not respond appropriately in the
21 context of the study and the question that was being
22 asked.

23 The question that was being asked was,
24 "You go and see a doctor if you don't respond at the
25 end of these two weeks." That is the standard that we

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1 will need to maintain in the label in order to make
2 sure that this can be used safely in the OTC
3 situation. I voted no for that reason.

4 DR. CANTILENA: Thank you.

5 Dr. Fogel.

6 DR. FOGEL: I voted yes. I think that for
7 people who have a mindset of self-medication, these
8 people did the right thing. It would be nice to have
9 a little bit more patient information but the study
10 wasn't designed that way to tell us what was going on,
11 severity of symptoms, so on and so forth.

12 To my way of thinking, it would be nice if
13 these people came to doctors but a lot of people don't
14 come to the doctor for these symptoms. The way they
15 treated themselves is appropriate.

16 It's an unrealistic expectation to expect
17 an over-the-counter drug to alter how people think
18 about healthcare. You can't expect people to go to
19 the doctor just because the over-the-counter
20 medication caused them to have a recurrent -- because
21 they had a recurrence of their symptoms when the drug
22 effect disappeared.

23 DR. CANTILENA: Thank you.

24 Dr. Williams.

25 DR. WILLIAMS: I voted yes with the

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1 understanding that at least 20 percent of the
2 individuals that received the product did come to the
3 doctors and 20 percent that would have never gone.
4 I'm more optimistic about what I'm seeing than what is
5 negative.

6 DR. CANTILENA: Dr. Uden.

7 DR. UDEN: I voted yes because those who
8 didn't respond treated themselves. I wish I could
9 have seen more diet and exercise but this is America
10 and that's not going to happen. End of statement.

11 DR. CANTILENA: Thank you, Dr. Uden. Dr.
12 Geller.

13 DR. GELLER: I think I should probably
14 change my vote to no because I just realized that the
15 abstention is totally wasted so I think I'll change my
16 vote to no. I do that because 20 percent said they
17 consulted a healthcare provider but that number
18 probably has a bit of an overestimate because if they
19 did read the label, then they would have known that
20 was what they were supposed to do but they may not
21 have done it and just said they did it.

22 I guess some of the other issues raised
23 about questions not answered are very disturbing to
24 me. In particular, at the three-month follow-up
25 period there was no opportunity to go and get your

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1 Prilosec 1 again over the counter so I would like to
2 know if patients would have gone back to have a second
3 trial of Prilosec 1. I guess I'm distressed that none
4 of the studies the sponsor provides answers the
5 question about compliance in that regard.

6 DR. BRASS: No, the actual use study did
7 include the opportunity to go back and buy more.

8 DR. GELLER: But actually the period of
9 time is too short because over that three-month period
10 people are coming in.

11 DR. BRASS: I'm just correcting the
12 statement that you said they didn't look at it.

13 DR. GELLER: That was inadequate because
14 people coming in uniformly over the period.

15 DR. CANTILENA: Thank you.

16 Dr. Clapp, please.

17 DR. CLAPP: As the question is posed, I
18 have to vote no because clearly 37 percent did not
19 respond as the package label panel instructed them to,
20 and that is to seek medical advice if the treatment
21 time of 14 days was not sufficient.

22 DR. CANTILENA: Dr. Neill.

23 DR. NEILL: I voted yes looking at slide
24 27 from Dr. Shetty's presentation and considering the
25 fact that we still haven't settled what is

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1 appropriate. Given that you are asking us to make a
2 decision about whether consumers are doing the
3 appropriate thing and none of us up here have reached
4 any consensus on what is appropriate, I trust that
5 staff is taking all of these comments with a large
6 grain of salt.

7 Having said that, of the things that they
8 did in the actual use study, all of those things
9 strike me as being appropriate. I've got to tell you
10 I can't get 10 percent of my patients to change their
11 lifestyle related to anything.

12 The question and the one concern that I've
13 heard seems to be that not enough of these patients
14 have chosen to go back and see a healthcare provider
15 who in many instances is simply going to tell them to
16 do one of the things that they have already done here.

17 One of the choices that a consumer does
18 not have but which may be appropriate given the large
19 number that had heartburn for more than five years is
20 doing an endoscopy.

21 Maybe that will be a meeting sometime in
22 the future when we have endoscopy suites in the mall
23 and patients can take a kit home and they will check
24 their cholesterol on the way home and endoscope
25 themselves with a little virtual endoscopy device or

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1 something.

2 DR. CANTILENA: You'll probably be off the
3 committee by then though.

4 DR. NEILL: Gladly.

5 DR. CANTILENA: Ms. Cohen, please.

6 MS. COHEN: Dr. Neill, will you take the
7 endoscopy for me? I would like to quote again because
8 it's the best way I can do it, the responses to the
9 follow-up question here, three months after the study
10 showed that 58 percent of the consumers available for
11 the follow-up had their heartburn return.

12 Forty-six took an antacid heartburn
13 medication. Twenty-seven took a prescription
14 heartburn medication. It's here, 21 took an OTC acid
15 reducer and 20 of those contacted their healthcare
16 provider. There's more.

17 What was the final result? They did it
18 but what was the final result? Did they go to a
19 physician? Did they find that they had something
20 serious? I feel it's inadequate information. It
21 starts out and gives it but you don't know the end
22 results. Pardon my Boston accent. I can't do any
23 better.

24 DR. CANTILENA: Thank you.

25 Dr. Gilliam.

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1 DR. GILLIAM: I voted yes mostly for the
2 reasons Dr. Neill stated. Also the comments that he
3 and Dr. Brass made on the previous question. I really
4 changed by vote to the previous question in the way I
5 vote this time.

6 DR. CANTILENA: Dr. Levine.

7 DR. LEVINE: I voted yes mainly for the
8 reasons Dr. Johnson and Fogel pointed out and for my
9 hope and confidence that with the next question when
10 we change it, possibly the duration of treatment that
11 57 percent figure will plummet to 25 or 30 percent.

12 DR. CANTILENA: Dr. Lam.

13 DR. LAM: I think the question can go
14 either way actually but I voted yes because, in my
15 opinion, the patient did act appropriately by opting
16 for alternative treatment.

17 DR. CANTILENA: Dr. Patten.

18 DR. PATTEN: I voted yes based on the
19 information in Dr. Shetty's slide No. 27. As I take a
20 look at that, of the 57 percent who had a recurrence,
21 27 percent took a prescription medication which says
22 to me they are already under the care of a physician.

23 Then an additional 20 percent consulted a healthcare
24 professional.

25 DR. CAMILLERI: Excuse me. It's not

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1 additional.

2 DR. PATTEN: Pardon?

3 DR. CAMILLERI: Nowhere does it say that
4 it is additional.

5 MS. PECK: Oh, I see. Okay.

6 DR. CANTILENA: It could be the same
7 person.

8 MS. PECK: I see. Thank you for
9 correcting me. At any rate, I would concur with Dr.
10 Neill that to have 20 percent of a population opt to
11 see a healthcare provider is rather impressive.

12 I would like to have seen a longer period
13 of follow-up. I'm not sure when within that three
14 month window the recurrence occurred so I don't know
15 how close in time the recurrence was to a decision to
16 change lifestyles, see a healthcare professional, and
17 so on. It's clear to me that people are doing
18 something.

19 DR. CANTILENA: Dr. LaMont.

20 DR. LaMONT: Yes. I agree. In fact, I
21 was going to make the same point that possibly more
22 than 20 percent consulted a physician. I would also
23 like to clarify that we don't do endoscopy on patients
24 who when they stop their PPI get heartburn. What we
25 do is put them back on the PPI. We're not looking to

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1 scope a whole bunch of patients and look for cancer
2 that have this complaint. This would be, in my view,
3 inappropriate use of a resource so I voted yes because
4 I think these behaviors are safe and appropriate.

5 DR. CANTILENA: Thank you.

6 Dr. Davidoff.

7 DR. DAVIDOFF: I voted no because I also
8 focused primarily on the issue of whether people went
9 to see a healthcare provider. My concerns there were
10 two. One is the number of 20 percent which I think is
11 a pretty squishy number for two reasons. One is there
12 was no conformation that they did as has been
13 mentioned.

14 The other is that there is no confidence
15 interval so we don't have any idea what the behavior
16 might be if this kind of behavior were generalized to
17 the general population. This is in one small study.

18 But then the related question -- important
19 question is does it matter whether they saw a
20 healthcare provider. I agree that very likely many
21 times healthcare providers would have done many of the
22 same things that are on this list. But the healthcare
23 providers might actually have taken a good history.

24 DR. CANTILENA: Comments from Dr.
25 Goldstein and then Dr. Alfano and then, I think, Dr.

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1 Johnson had her hand up.

2 DR. GOLDSTEIN: The word "appropriate"
3 gave me pause. It depends on how you want to
4 interpret the word "appropriate." Appropriate for
5 whom? For traditional medical orthodoxy or -- and I'm
6 a physician -- or for themselves? Was the patient
7 acting in their own best interest? If it's medical
8 orthodoxy, then perhaps by our standards they did not
9 react appropriately, but if it's for themselves, then
10 it's my feeling that they acted very appropriately and
11 very normally.

12 I should also point out and reinforce the
13 fact that as Dr. Williams and others have pointed out,
14 the fact that 75 more people were some how persuaded
15 to see their physician who had not is a good on the
16 whole public health outcome. I would have voted
17 certainly yes under those circumstances.

18 DR. CANTILENA: Thank you.

19 Dr. Alfano.

20 DR. ALFANO: I, too, thought it was a good
21 outcome because it was a better outcome than they had
22 before they entered the study in the sense that they
23 saw a healthcare provider or they consulted a
24 healthcare provider at twice the rate that they did in
25 the prior year. Then it does look like there was a

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1 modicum of lifestyle changes that occurred.

2 DR. CANTILENA: Thank you.

3 Dr. Johnson, did you have an additional
4 comment?

5 DR. JOHNSON: One additional comment I
6 wanted to make that I guess makes me optimistic is
7 that I think there is a potential in the real world
8 situation for this to be better. While I share many
9 of Ms. Cohen's concerns about direct-to-consumer
10 marketing, I think it can either be used sort of
11 inappropriately or it can be used in a very
12 educational way.

13 I think if the DTC marketing focuses on
14 reenforcing the importance of follow-up, particularly
15 television advertising where there is a verbal
16 message, follow-up with their physician, I think there
17 is the potential that there may be many, many more
18 patients who eventually have care by their physician
19 than do at present.

20 DR. CANTILENA: Yes, Dr. Fogel. You have
21 an additional comment?

22 DR. FOGEL: Actually, can I ask a question
23 to the sponsor about the data?

24 DR. CANTILENA: About the data, yes,
25 please.

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1 DR. FOGEL: Of the 57 percent that had
2 return of their heartburn, what was the -- do you have
3 any data about the response to these various
4 treatments? Were they still symptomatic or did their
5 symptoms go away with antacids, change in lifestyle,
6 etc.?

7 DR. PEURA: We did not ask that question.
8 We only asked if it returned and what they were doing
9 about it.

10 DR. CANTILENA: Okay. Thank you. Let us
11 now turn to the issue of the duration of therapy and
12 repeat use. The next question is, "Given that the
13 treatment for GERD with erosive esophagitis is a
14 minimum of 28 days, is the proposed 14-day duration of
15 therapy acceptable for this population?"

16 Then I guess if you answer no, we'll ask
17 you in the comment period should the treatment be
18 longer. Does everyone understand the question?

19 Dr. Johnson.

20 DR. JOHNSON: Would it be possible for us
21 to have some discussion on this? I frankly am not
22 comfortable voting on this without some discussion and
23 hearing from the gastroenterologists, their feelings
24 on this point.

25 DR. CANTILENA: Sure. If you would like

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1 to open the discussion, go ahead and then we can ask
2 for their input.

3 DR. JOHNSON: Okay. I would like to hear
4 the opinions of the gastroenterologists. And Dr.
5 Brass, of course.

6 DR. CANTILENA: Are you going to set the
7 board exam soon?

8 DR. BRASS: I think, again, in my mind
9 here is how I thought about this. I have no doubt
10 from reading the literature as well as sponsor's data
11 that if you treat these patients for a 14-day course
12 of treatment with omeprazole at 20 milligrams per day,
13 a percentage of that cohort will be symptom free for
14 some follow-up period afterwards. And that if you did
15 endoscopy there would be endoscopic improvement in a
16 subset of that population. Those would both be
17 significantly different than placebo.

18 I also have no doubt that if you treated
19 for four weeks those numbers would both be higher. If
20 you did it for eight weeks, they would be higher
21 still. I have no doubt that at two weeks there is
22 benefit in terms of both a period of complete symptom
23 relief and endoscopic healing.

24 At the same time, I am also aware of this
25 being a philosophical shift in trying to get consumers

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1 to use an OTC product for a daily basis during which
2 they are not symptomatic but need to complete the
3 period to get benefit. We have all raised concerns
4 about masking symptoms, appropriate compliance,
5 patient's decision making.

6 That is only with a two-week course. It
7 is unclear in the absence of data whether going behind
8 two weeks would, in fact, be associated with the kind
9 of improvement that has been observed in clinical
10 trials and whether that would be offset by further
11 deterioration in parameters that the committee has
12 already expressed concerns about with respect to
13 compliance, etc.

14 DR. CANTILENA: I just have one comment in
15 that regard, and that is really you have to balance
16 sort of that issue with the fact that you would be
17 approving and basically endorsing substandard therapy.

18 If the standard therapy is 28 days for this
19 indication, then you are saying it's okay to treat
20 half as long knowing that the failure rate will be
21 higher.

22 DR. BRASS: We are dealing with a
23 different cohort. Again, remember the cohort we
24 recruited in those studies all had endoscopic
25 inclusion criteria, or at least many of the studies

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1 had endoscopic inclusion criteria so the cohorts are
2 not identical so that whether it's substandard care or
3 whether a different care option for a population that
4 selects it is open on the risk to benefit. I'll leave
5 it at that.

6 DR. CANTILENA: Just one more point and
7 then I'm just going to ask Dr. Ganley one question.
8 If you look at the actual use and you have really more
9 than half the people with recurrent symptoms, my
10 question is what would that have been if we treated
11 for 28 days? That is sort of the first issue in the
12 back of my mind.

13 Then the question for Dr. Ganley's group
14 is what are the data? Is the Rx label for GERD 28
15 days? That is the first question. If so, are there
16 data where they looked at shorter courses for
17 efficacy?

18 DR. GANLEY: The Rx labelling for GERD
19 without erosive esophagitis indicates that --
20 recommends a dose of 20 milligrams up to four weeks of
21 therapy. For erosive esophagitis the recommended
22 duration of therapy is four to eight weeks.

23 DR. CANTILENA: Okay. And is there any
24 information if you treat for shorter periods of time?

25 DR. GANLEY: Well, I believe the sponsor

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1 may have a comment. I'm going to -- I'm sorry.
2 Repeat the question, please.

3 DR. CANTILENA: Yeah. I was just asking
4 if you have any efficacy data and if the treatment
5 period is half of that time for 14 days other than the
6 actual use study here where we have 57 percent
7 recurrence.

8 DR. RACZKOWSKI: We have seen that data
9 but also with the original approval of the product
10 there was some more data, yes.

11 DR. PEURA: Dr. Cantilena.

12 DR. CANTILENA: Yes.

13 DR. PEURA: I believe we do have data that
14 speaks to shorter duration, two weeks.

15 DR. CANTILENA: I've seen the efficacy but
16 are there larger studies, I guess, is the question.
17 Are there larger studies that would add our confidence
18 or increase our confidence?

19 DR. PEURA: Yes, there's the databases
20 published by Bardhan that talks about period of time.
21 There's the Castell study, 14 versus 28.

22 DR. CANTILENA: So if you treat for 28 is
23 the recurrence rate significantly lower.

24 DR. ZORICH: I believe I can address that.
25 May I use this? Thank you very much. I would like

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1 to specifically address this because the Bardhan study
2 really adds some interesting perspective to this
3 because when you look at the clinical trial data, of
4 course, and even as I showed as healing, and Dr. Brass
5 mentioned going longer is always better.

6 With the question relative to what
7 actually you need for consumers who are electing to
8 use this product, what the bardhan study actually
9 showed was that the strongest indicator of a good
10 outcome was symptom control at two weeks. In fact,
11 that was more important interestingly enough that
12 negrade of esophagitis at entry, duration of symptoms,
13 body mass index, gender, or age.

14 So what Bardhan allowed to do, and I
15 didn't really spend a lot of time during my
16 presentation, but for those people who did not respond
17 at 14 days, they immediately were given another 14
18 days. In that group of individuals, all it really
19 pointed was that you have identified a group of people
20 who will go on to need more chronic therapy. That is
21 the enriched population who ends up being dosed on a
22 more maintenance basis.

23 It does not, in fact, stopping at 14 days
24 you do not, in fact, have a lesser affect in the
25 majority of the people. In fact, what you're doing by

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1 letting those people go for another 14 days is just
2 identifying the people who would be better served we
3 think being directed to their physician after 14 days.

4 DR. PEURA: Dr. Cantilena, the other point
5 here I think just to be very clear on this from the
6 sponsor's point of view is that the indication that we
7 are seeking to switch is for prevention of frequent
8 heartburn. Although we understand there may be some
9 GERD people within that population, we're not asking
10 for that indication to be switched.

11 The second point I would make is that when
12 you look at symptomatic relief 14 days is essentially
13 as good as 28 days for symptomatic relief in this
14 population. You get 90 percent of the symptom relief
15 in 14 days so you don't need to keep going any longer
16 than that.

17 The other thing I think I would say is
18 that in moving this product into the OTC setting, one
19 of the reasons that we looked at a 14-day label
20 instead of the 28-day Rx label is that we think it's
21 actually more prudent in moving this product into the
22 OTC setting to give people instructions for shorter
23 duration of therapy because we think overall that is a
24 better course of therapy for the overall target
25 population as opposed to trying to seek to treat some

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1 subset of that population just to be clear.

2 DR. CANTILENA: Okay. Thank you.

3 Dr. Geller.

4 DR. GELLER: I just wanted to say that I
5 would hope the committee would not vote to change the
6 number of days to 28 because we haven't seen any data
7 in this population and it would be, I think, very
8 unfortunate if we would make a decision based on what
9 we surmise to be the case.

10 I think we have seen plenty of data on 14
11 days and I think there would have to be many
12 additional studies in this population if they wanted
13 to go to 28 days.

14 DR. CANTILENA: Dr. Neill.

15 DR. NEILL: I still haven't heard any of
16 the gastroenterologists on the panel speak and I would
17 like to.

18 DR. CANTILENA: Dr. Levine, Dr. LaMont,
19 and then Dr. Cryer, and Dr. Fogel.

20 DR. LEVINE: A comment by the sponsor left
21 me a little fuzzy because our organizations clearly
22 show, as shown right up there, that 28 days of
23 treatment be it intermittent versus maintenance.

24 Twenty-eight days of treatment with a PPI
25 will markedly increase the healing of a subpopulation

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1 who will be taking this drug because of frequent
2 heartburn. That is the group with GERD and that is
3 particularly the group with either nonerosive or
4 erosive esophagitis, etc.

5 If you, in fact, take this drug for 28
6 days, the population that will be effectively treated,
7 the percentages will go down significantly. Perhaps
8 20, 25 percent. At that point if these patients do
9 not have relief, it is much more significant -- albeit
10 there are some exceptions -- it's much more
11 significant to have a referral and subsequent follow-
12 up by the individual physician, general physician, or
13 specialized physician.

14 To me to negate the 20 percent, 25 percent
15 patients who could use this drug makes no sense. I
16 think it's so hard with symptoms to tell this
17 heterogenous population that we have to treat all the
18 patients with frequent heartburn. That is why I think
19 28 days is preferable and almost mandatory than 14
20 days.

21 DR. CANTILENA: Yes. There's a comment
22 from the FDA first.

23 DR. RACZKOWSKI: I would like to give Dr.
24 Hugo Gallo Torrez, who is our medical team leader in
25 the Gastrointestinal Division an opportunity to

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1 address some of his issues. Thank you.

2 DR. GALLO TORREZ: This is a quick comment
3 in support of 28 days and in support of what Dr.
4 Levine has specifically just mentioned. According to
5 the labeling erosive esophagitis is healing.

6 The healing at four weeks with 20
7 milligrams is 39 percent only, I should add. At two
8 weeks it has to be in the late 20s, early 30s. There
9 will be significant improvement in the healing if one
10 administers the medication for 28 days rather than 14
11 days.

12 The early data from the labeling from
13 Prilosec will be 74 percent healing in eight weeks.
14 This is from the labeling.

15 MS. COHEN: For how long? How far has
16 that been carried out to see how long that lasts, the
17 efficacy?

18 DR. GALLO TORREZ: Oh, eight weeks
19 treatment 74 percent. Four week treatment, 39
20 percent.

21 MS. COHEN: But were those people followed
22 afterwards? It was 74 percent at that time but did
23 that continue?

24 DR. GALLO TORREZ: After the eight weeks?

25 MS. COHEN: Yes.

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1 DR. GALLO TORREZ: I don't know.

2 DR. CANTILENA: She's asking about the
3 recurrence rate of symptoms.

4 MS. COHEN: Thank you.

5 DR. CANTILENA: Dr. LaMont, you had a
6 question?

7 DR. LaMONT: Just a comment about in
8 response to the request for GI input. I think 14 days
9 is the right duration of treatment because it strikes
10 a balance between what the ideal treatment would be at
11 the hands of a gastroenterologist which might be six
12 weeks or even longer and what we could expect with
13 over-the-counter self-treatment. These are patients
14 that are self-treating.

15 The goal here isn't to heal esophagitis
16 because we don't know whether they have esophagitis or
17 not. It's to heal a simple symptom of heartburn. It
18 seems like if after 14 days that hasn't healed, then
19 these other things would happen.

20 Notice that in this table on Dr. Shetty's
21 data on slide 27 only six percent of the people that
22 had frequent heartburn return did nothing. That means
23 all the rest did something. They either took more
24 medicine, which would help healing, or they went to a
25 doctor or both.

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1 I think 14 days is right because if we are
2 worried about masking symptoms, and I've heard a lot
3 of that, masking other diseases with this treatment,
4 then this would be a good balance between efficacy for
5 a simple symptom and avoidance of masking.

6 DR. CANTILENA: Dr. Cryer and then Dr.
7 Fogel.

8 DR. CRYER: So I agree with Dr. LaMont's
9 comments. It's clearly -- if we are speaking about
10 GERD and erosive esophagitis, the data are very, very
11 clear that 14 days would be inadequate for the
12 treatment of GERD and erosive esophagitis. Thinking
13 about applying that patient population to this
14 potential OTC setting, my overriding goal is to get
15 these people to a doctor for the ones that have severe
16 disease.

17 So if it is an accurate statement, and it
18 is definitely an accurate statement, that erosive
19 esophagitis will clearly take 28 days of treatment,
20 and the proposed duration is only for 14, what we are
21 doing then is kind of selecting out the people who
22 will have severe symptoms and get then potentially to
23 a healthcare provider earlier even though it may only
24 be 20 percent of those.

25 Also another comment I would like to make

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1 kind of in defense of a previous comment that Dr.
2 comment that Dr. Triebwasser made is that I don't know
3 that this is the appropriate question to ask of
4 comparing this patient population of what we are
5 considering to be frequent heartburn to those who have
6 erosive esophagitis because the population under
7 question is not necessarily -- will not 100 percent
8 have erosive esophagitis.

9 I have kind of come around a little bit on
10 this. I was looking at the actual use population.
11 Looking at the data from two of the efficacy trials,
12 after 14 days here, if I'm reading it correctly, 75
13 percent had recurrence of their symptoms within five
14 days. Clearly for 75 percent of the people 14 days of
15 therapy was inadequate. That would likely be the
16 people hopefully who would be pushing to the
17 healthcare provider for 25 percent it was adequate.

18 DR. CANTILENA: Thank you.

19 Dr. Fogel.

20 DR. FOGEL: The Bardhan data and a comment
21 made by Dr. Goldstein previously used the term that
22 this is a filter. A subset of people with heartburn
23 will get better with a 14-day course of treatment. I
24 think that we should accept that. We are not looking
25 to treat reflux disease or chronic heartburn or

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1 erosive esophagitis. We just want to treat the
2 symptom.

3 For those people who remain symptomatic
4 since the drug is going to be over the counter, they
5 may choose on their own to take a second two-week
6 course or they may choose to see a doctor. They have
7 a choice as to what they want to do. They can use
8 other over-the-counter medications.

9 I think if we go towards a 28-day
10 treatment regimen, I believe Dr. Geller's comments are
11 correct that we have no data about it. We are going
12 to change the locus of care from the physician to the
13 patient with all the risks that are associated with
14 that.

15 DR. CANTILENA: Dr. Camilleri.

16 DR. CAMILLERI: Well, you asked the
17 question, Mr. Chairman. If you extend this to four
18 weeks of treatment, what would be the recurrence rate?

19 I would venture to suggest from clinical experience
20 that if you take people with an average of five days
21 of heartburn a week and you treat them for four weeks,
22 you will keep them in remission a little longer but
23 ultimately all will recur within 12 months.

24 DR. CANTILENA: Okay. Thank you.

25 Dr. Johnson, have you had enough input

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1 from the gastroenterologists? Okay. Very good. We
2 will proceed to question area four. The question will
3 be answered as follows:

4 All those who believe that a 14-day
5 duration of therapy is acceptable for this population,
6 please raise your hand. All those who feel it is not
7 acceptable, please raise your hand.

8 DR. TITUS: I want to enter into the
9 record that, if I watched hands correctly, there was
10 one no which was by Dr. Levine. Everyone else voted
11 yes. That means there were 17 yeses and one no.

12 DR. CANTILENA: Dr. Levine, would you like
13 to add anything to the comments that you have already
14 made on this?

15 DR. LEVINE: Yes. My point was I think at
16 28 days you would also have the same recurrence rate
17 that you would have at 14 days. I think the window of
18 getting the patient to somebody is very important for
19 the alarm symptoms.

20 I think the alarm symptoms of dysphasia
21 and weight loss, etc., are very important to be
22 explained to the patient in anyway that we can
23 educationally. I don't think significant changes in
24 the long-term outcome will change from 14 to 28 days
25 if the alarm symptoms would be lesser or greater by

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1 just making that one change.

2 DR. CANTILENA: Okay. Thank you. Would
3 anyone else like to comment? I'm not going to go
4 around the table unless we have a burning desire. Not
5 heartburn but a burning desire.

6 Okay. Let's get onto the ultimate
7 question, question five, in the subject area of
8 approvability. Has the sponsor provided sufficient
9 information to support the approval of Prilosec 1 for
10 the prevention of frequent heartburn? Any discussion
11 required?

12 DR. BRASS: Clarification.

13 DR. CANTILENA: Yes.

14 DR. BRASS: If we feel that the label
15 isn't yet perfect but we thought it was probably
16 doable, how would you like us to vote?

17 DR. CANTILENA: I would prefer that in
18 that case you vote in the affirmative because
19 underneath that we are going to ask you about specific
20 things that you want.

21 DR. BRASS: Thank you.

22 DR. CANTILENA: Dr. Ganley, is that
23 correct? Okay. Any other clarifications?

24 DR. GELLER: Even if you think that there
25 should be another -- that the label should be

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1 significantly rewritten and there should be an
2 additional comprehension study with the new label,
3 then you still should vote yes?

4 DR. CANTILENA: I think so. If you think
5 the condition is something that can be treated that
6 the consumers can adequately self-select ultimately
7 but it needs more work, you'll have the opportunity to
8 specify what that work is. Is that on track with the
9 FDA?

10 DR. GANLEY: The third bullet under that
11 where it says, "Are there any additional labeling or
12 marketing suggestions." We are trying to make it
13 really clear cut.

14 DR. HOUN: I think if the panelists feel
15 strongly that something should be done premarket, that
16 should be stated clearly. If you think it could be
17 done postmarket, that should be stated clearly.

18 DR. GELLER: To clarify, if you think
19 something should be done premarket, should you still
20 vote? And you think it can be done.

21 DR. HOUN: If you think ultimately it can
22 be approved but you want something done premarket, you
23 can vote that it ultimately can be approved. It is
24 approvable but you would like to see X, Y, or Z
25 premarket. If you think that it should not be

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1 approved now at all, then you would be voting no. If
2 you think it can be approved but some of the studies
3 can be done after market, you could state that.

4 DR. CANTILENA: So really the question is
5 approvability and on your judgement considering really
6 all the data that you've seen and all the discussions
7 that have taken place.

8 Let me pose the question to the committee.

9 All those who feel that the sponsor has provided
10 sufficient information to support the approval as
11 recently now clarified as an approvable condition and
12 proposal, please raise your hand in the affirmative.
13 Keep your hands up, please.

14 All those who feel like it's not
15 approvable, raise your hand. Ms. Cohen and Dr.
16 Davidoff negative. Any abstentions?

17 Did the math check out?

18 Okay. For this part what I would like to
19 do is as we go around the table, for those of you who
20 recommended approval, we'll ask you to comment on each
21 one of the areas that are listed under the section if
22 the committee recommends approval so that we capture
23 your comments right here and now.

24 For those two who recommended that it
25 should not be approved, please specify in your

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1 comments what additional information should be
2 provided to ultimately support the approval.

3 We are due to start over on this slide
4 with Dr. Davidoff. You were in the negative so if you
5 can start, please.

6 DR. DAVIDOFF: Yeah. This is a really
7 difficult vote for me to decide on because I realize
8 that there are potentially some very substantial
9 potential benefits. They are, however, in my view
10 moderate. The number needed to treat in terms of
11 efficacy is in the range of five to 15 which is pretty
12 good but not fantastic.

13 The gain would be if people actually read
14 and followed the label, the availability of a single
15 course of 14 days of treatment before they went to see
16 a physician and dealt with the issue in another way.
17 This would get more people to physicians, I agree.

18 On the other hand, the risks, it seem to
19 me, would be a sudden major increase in essentially
20 unsupervised exposure to a drug for which there are,
21 in my view, a number of very major unanswered
22 questions.

23 The one that concerns me particularly for
24 which I feel there is not evidence that at least I
25 have seen or that I have not seen as being convincing

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1 is the issue of potential oncogenecity. We are not
2 talking about exposure of small numbers of people. We
3 are talking about the exposure of millions of people
4 over long periods of time potentially.

5 I feel, therefore, it's premature to
6 approve this for over-the-counter use when, in fact,
7 patients can continue to get the drug by going to see
8 their doctor but they are doing it under a somewhat
9 more supervised, followed, and monitored kind of
10 situation.

11 Finally, I agree there are some labeling
12 issues. I think those probably can be dealt with but
13 they are substantial.

14 DR. CANTILENA: Thank you.

15 Dr. LaMont.

16 DR. LaMONT: Yes. I think the
17 repeatability is the issue that I am most concerned
18 about regarding the labeling. I would suggest that
19 wording to the effect that if the symptoms of
20 heartburn recur within four months of finishing the
21 course of Prilosec 1 or however it's going to be
22 identified, that you should contact your physician.

23 That would allow them by strict definition
24 a person could take this two or three times a year
25 which I think would be safe. That is, could take 14

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1 days of this medication two or three times a year.

2 DR. CANTILENA: Okay. So the number of
3 courses then should really be no more than three per
4 year and you are comfortable with the 14 days. Are
5 there specific issues with the label other than for
6 the number of courses that you would like addressed?

7 DR. LaMONT: No.

8 DR. CANTILENA: Okay. Dr. Patten. I'm
9 sorry, Dr. Katz had a question.

10 DR. KATZ: Yes. When people are giving
11 their answers, can you also ask if the answers are
12 things that need to be done prior to or after so where
13 it would lie in terms of additional information
14 requests.

15 DR. CANTILENA: Thank you.

16 Dr. LaMont, would you like to go back over
17 that?

18 DR. LaMONT: This would be a labeling
19 thing so it should be done pre.

20 DR. CANTILENA: So everything that Dr.
21 LaMont had said would be prior to marketing.

22 Dr. Patten.

23 DR. PATTEN: Yes. I have a question
24 regarding the third bulleted point here, "Are there
25 any additional labeling or marketing suggestions?"

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1 Does that translate into requirement?

2 DR. CANTILENA: Yes.

3 DR. PATTEN: Suggestion is a requirement?

4 DR. CANTILENA: Yes.

5 DR. PATTEN: Okay. I'll revisit this.

6 DR. CANTILENA: So you would like us to
7 come back to you after we go through? Okay. You'll
8 have, I think, probably plenty of time by the time we
9 get around the table.

10 I'm going to just go out of order here
11 very briefly to Dr. Camilleri who has to leave early
12 so we're just going to skip over here to Dr. Camilleri
13 and then we'll go back.

14 DR. CAMILLERI: Thank you very much, Mr.
15 Chairman. I completely agree with Dr. LaMont that the
16 issue of repeatability is of paramount importance in
17 my mind. I had actually come to the same conclusions
18 that about once every four months and two to three
19 courses of 14 days each per year would be appropriate.

20 Therefore, under bullet three the unsupervised use of
21 this medication would be two to three courses per year
22 in my mind.

23 Under bullet four in Phase IV commitments
24 I still think that the deselect study in patients with
25 alarm symptoms, perhaps in a clinic, would be quite

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1 important to do just to make sure that the
2 comprehension is also at a very high level for the
3 package insert, for the labeling in the context of a
4 high risk group. Thank you very much.

5 DR. CANTILENA: That would be something
6 that you would want after approval obviously, Phase
7 IV.

8 DR. CAMILLERI: Yes. Thank you.

9 All right. Let's go back here to Dr. Lam.

10 DR. LAM: On the second bullet I actually
11 put down the limit on the number of calls to about two
12 so basically that is in agreement with two of the GI
13 specialists. As far as the time period, it will be up
14 to about four months or so.

15 I think actually there are a lot of
16 labeling that need to be worked on in terms of
17 instruction and making it clear to the consumer such
18 as prevention with relief of symptoms and some of the
19 information on the drug interaction. Do not use with
20 the other acid reducer that we have actually have
21 visited before.

22 Rather than saying that it had to require
23 faithful commitment, I'm thinking in terms of if we do
24 revise the label significantly, that the sponsor
25 should actually do a new label comprehension study

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1 before we actually approve it.

2 DR. CANTILENA: Right. So your specific
3 comments are that we need to improve the labeling on
4 those areas that you mentioned. That should be done
5 prior to approval. I'm sorry. What did you say for
6 the number of courses?

7 DR. LAM: Two.

8 DR. CANTILENA: Two courses per year?

9 DR. LAM: Yes.

10 DR. CANTILENA: Per year. Okay. Very
11 good.

12 Dr. Levine.

13 DR. LEVINE: I'm more concerned about
14 alarm symptoms more than anything else. I think even
15 more than Barrett's in the long run. I think somehow
16 the expertise of the OTC committee and those who have
17 had experience with it to make it headlines, bold, red
18 type, etc., I think that would be the most reassuring
19 thing that I would recommend.

20 The other thing I would recommend is,
21 again, with techniques like communication techniques,
22 educationally-wise or on the print, that the
23 healthcare provider be contacted. I concur with two
24 or three recurrent episodes.

25 DR. CANTILENA: Thank you.

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1 Dr. Gilliam.

2 DR. GILLIAM: I would agree with the alert
3 symptoms. It would be nice if they could -- on the
4 package insert they have, "Keep your doctor in the
5 loop," and if they could somehow bring that out on the
6 carton I think would be good.

7 Then also bring out more of the tips for
8 managing the heartburn, the lifestyle modification
9 which we know patients have trouble doing. It would
10 be good if that would be brought out more. I would
11 agree with the two to three courses per year.

12 DR. CANTILENA: Thank you.

13 Ms. Cohen.

14 MS. COHEN: I have a question for the FDA.
15 If the advisory committee feels that further work
16 needs to be done in terms of labeling, is there a
17 requirement that they have to do it within a specific
18 period of time?

19 DR. GANLEY: It depends on whether we
20 think it's a prerequisite for them to get the drug
21 approved. They could get an approvable letter that
22 states that they have to fix the labeling and they
23 have to do a label comprehension study.

24 MS. COHEN: Within a certain period of
25 time.

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1 DR. GANLEY: Well, no. If they get an
2 approvable letter, they can't mark it until they do
3 the study so I'm sure they would do it rather quickly.

4 The other option is that we would suggest labeling
5 changes and then as a Phase IV commitment. Now Phase
6 IV commitment has a timeframe in it of when they have
7 to have that study completed and submitted to the
8 agency. In previous years that was not the case but
9 now that is a requirement so they have to do that.

10 MS. COHEN: You can tell I come from a
11 consumer protection background. I feel the follow-up
12 studies are not complete by any means. I think it's
13 premature. I don't know about repeatability I think
14 that the labeling is totally inadequate. I am very
15 concerned about consumer advertising on television.

16 I think it has moderate efficacy and there
17 might be other things out in the market that will work
18 just as well for consumers. I certainly think we need
19 to give consumers a lot more consumer education and
20 I'm concerned that people will not see a physician.

21 DR. CANTILENA: Thank you.

22 Dr. Neill.

23 DR. NEILL: I agree with Dr. Gilliam that
24 on the package insert it would be nice to put, "Keep
25 the doctor in the loop" on the outside. However, I'm

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1 anxious to know what physician you've ever been
2 involved with that allows you to say it never hurts to
3 make a phone call to the doctor. It hasn't been my
4 office. Don't answer that question.

5 The other comment that I wanted to direct
6 to staff related to the package insert has to do with
7 the graph that is on the top that very clearly to me
8 implies that the advantage of this class of medicine
9 -- this particular medicine is going to be that it
10 begins to work and lasts for 24 hours and that you
11 ought to take this, not the other two.

12 It doesn't adequately convey that this
13 medicine works differently than the other two. I
14 would hate to see direct consumer advertising that
15 used that same type of representation because I think
16 that it's misleading.

17 It's not that it's a bad medicine. It's a
18 different medicine which in some respects is better
19 for what it carries an indication for. That's the
20 only thing I would add there. I don't have any other
21 useful comments.

22 DR. CANTILENA: Thank you, Dr. Neill.

23 Dr. Clapp.

24 DR. CLAPP: I concur with Dr. Lam on his
25 opinions on the duration of treatment and frequency of

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1 four months and two courses per year, as well as the
2 concerns that he expressed about labeling.

3 I really would like the labeling to
4 address in a very clearly stated manner that this is
5 not for acute relief of symptoms. I think that is an
6 important use of disclaimer to have on the label
7 packet. Also I think it would be useful to guide
8 consumers as to when to expect maximum relief of
9 symptoms.

10 I think there is some ambiguity with
11 saying that it's the prevention of the symptoms of
12 frequent heartburn for 24 hours which then implies
13 that if you use it, within 24 hours you will have
14 relief of symptoms. As I am guided by the
15 pharmacologists, it seems as if that is not the case.

16 DR. CANTILENA: So just to clarify then,
17 you would want the changes in the label and then
18 another comprehension test or just the changes in the
19 label?

20 DR. CLAPP: I think the comprehension test
21 is essential. I do have very great concern for low
22 literacy. I see that their studies imply that they
23 were not as competent at self-selection but they were
24 more attentive to taking the medication properly so
25 then we have a group of people who will be then

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1 victims of circumstance because they don't understand
2 the use. They will be more likely to purchase and
3 then use unnecessarily.

4 DR. CANTILENA: Thank you.

5 Dr. Geller.

6 DR. GELLER: I agree in large part with
7 what Dr. Lam and Dr. Clapp have said. I am very
8 concerned about the label as written. I think it's
9 written in poor English and it's redundant and needs
10 to be redone. It needs to be written more on a level
11 comprehensible by a population that doesn't read quite
12 so well. That includes use of the phrase "acid
13 reducers." I'm not so sure about wheezing. The
14 sentence, "Notify your doctor if you have had
15 heartburn for three months or longer without talking
16 to your doctor." This is gobblety gook. "For
17 prevention of the symptoms of frequent heartburn for
18 24 hours." This, too, needs to be rewritten so that a
19 normal person, or even one who is educated can
20 understand it. So the use of the word "frequent" in
21 the label is not good because it means different
22 things to different people. "Not to expect a response
23 in a day," and "Not to use it for symptom relief," are
24 not clear.

25 I think that once the new label is written

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1 there should be a comprehension study prior to
2 marketing this drug OTC. One thing the company should
3 do is have benchmarks for what is acceptable levels of
4 comprehension, preset levels.

5 As far as a limit on the number of courses
6 a consumer should take over a period of time, I think
7 it should say that we don't have -- data was not given
8 for taking it on more than one occasion of a 14-day
9 period in this population. Rather than extrapolate
10 from other populations, I think it should be -- we
11 should base our information on what has been shown to
12 us.

13 I guess regarding the Phase IV
14 commitments, I guess some of the phrases used which
15 are informal phrases, "Keep your doctor in the loop,"
16 I would like to see an educational campaign that
17 assures that people are more aware that this condition
18 may not be just a passing thing.

19 DR. CANTILENA: Dr. Geller, can you just
20 clarify on your comment about the number of courses
21 that you can take? Are you saying that it should just
22 be one course without submission of new data?

23 DR. GELLER: Well, I'm saying that there
24 hasn't been any other data shown. Anything else is
25 extrapolation.

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1 DR. CANTILENA: Okay.

2 Dr. Uden.

3 DR. CRYER: I was wondering if I just
4 might make a comment in response to Dr. Geller's
5 concerns. I was wondering whether or not the Bardhan
6 data might actually help you in that assessment. That
7 was a 12-month evaluation. In that evaluation 68
8 percent of the individuals requested three or fewer
9 recurrent treatment regimens with Prilosec. Courses I
10 should say.

11 DR. GELLER: I actually wouldn't feel
12 comfortable using that as evidence without reading the
13 study. I was a little bit concerned about again this
14 slippage in the denominator somehow. I noticed that
15 in the presentation but it wasn't anything to ask
16 about. I'm just not familiar enough with that study.
17 I would need to be more familiar with it to be able
18 to use that as evidence.

19 DR. CANTILENA: Dr. Uden.

20 DR. UDEN: I'm a recommender of two
21 treatments within two months because if they need two
22 treatments within two months, they should see a
23 physician. I'm a little different in that aspect for
24 others.

25 Looking at the label I do like -- even

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1 though Dr. Zorich apologized for putting in, "Ask your
2 doctor if you have frequent chest pain," etc., I do
3 like that section of the label. I think it is
4 mandatory that it be kept.

5 I do believe that there have been many
6 suggestions for improving the label and again
7 including the one I would like to see that, "The
8 symptoms will last for 24 hours. You may not see
9 symptom relief for six to eight," or whatever number
10 you want to use that will be supported by literature
11 should be in there as an educational piece.

12 I do believe, Dr. Brass, that the rigor of
13 these studies can be designed and evaluated better
14 than, I think, what they are. Sometimes I think the
15 information is presented to us not necessarily by this
16 sponsor but by sponsors that we will give them
17 something and they will approve it anyway. I don't
18 like to be in that position.

19 Lastly, I would like to offer to the
20 sponsors the Mall of America in Minneapolis is a great
21 mall to do your next label comprehension study. Thank
22 you.

23 DR. CANTILENA: Dr. Uden, are you
24 conflictive with the Mall of America?

25 Dr. Williams.

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1 DR. WILLIAMS: I endorse the Mall of
2 America. I've been there. It's a great place. My
3 concern on voting yes is two fold. I think that the
4 repetition of two cycles is adequate. No more than
5 three in a year.

6 The other concern that I have that's not
7 really been talked about is the delay in the onset of
8 action. I hear two things. One was that the product
9 should be taken before breakfast on an empty stomach
10 with a glass of water or any other beverage. I don't
11 know if that's been clarified.

12 The second thing is that the product has a
13 time delay of about one hour before it's useful. I'm
14 concerned that those two things be evaluated as we go
15 to the marketing of this product and that the labeling
16 that we talked about certainly be put in place.

17 DR. CANTILENA: And then should that label
18 be tested prior to approval for marketing?

19 DR. WILLIAMS: Yes, I agree. Prior to
20 marketing.

21 DR. CANTILENA: Okay. Dr. Fogel.

22 DR. FOGEL: I voted yes with regard to
23 subsequent courses of medication. The literature
24 indicates that 80 percent of people will have
25 recurrence of either erosive esophagitis or symptoms

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1 within a number of months.

2 I agree with the suggestion of two, three
3 courses a year. I think that is fine but I think
4 there has to be an emphasis in the information that
5 goes with this drug that if symptoms are not better
6 after two courses of if you require more than three
7 courses of the drug in a year you should see a
8 physician.

9 The other specific point I want to make is
10 that on the label where it says ask a doctor before
11 use if you have any of the following and it talks
12 about chest pain, wheezing, etc., that's really not
13 strong enough. The labeling needs to say that, "The
14 following symptoms may be indicative of series
15 diseases other than heartburn. If you have the
16 following symptoms, see your doctor. I think that
17 needs to be made much strong. I think in general the
18 labeling needs to be improved substantially and I
19 think it should be retested before the drug is
20 released,.

21 The final point I wanted to make is I
22 think that the direct-to-consumer advertising that
23 goes with this drug needs to be scrutinized carefully.

24 This is a major change in how we treat people with
25 esophageal reflux. I think close supervision of the

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1 information that is disseminated is very important.

2 DR. CANTILENA: I would certainly agree
3 with that. I just have one sort of follow-up question
4 for Dr. Ganley regarding chest pain warnings. Is that
5 on the other heartburn drugs that are out there now?
6 Why not?

7 DR. GANLEY: Did you want class labeling
8 then for them?

9 DR. CANTILENA: Well, I mean, I think if
10 we are treating the same symptom we have the same
11 concerns. It should be on the other products.
12 Otherwise, it's illogical.

13 DR. GANLEY: I think the -- you know, I
14 wasn't around when the other ones came over and some
15 of the folks here, Eric, I think, were. I don't know
16 if that was discussed then.

17 I think this is sort of a different
18 situation where I don't think they envisioned the use
19 that would be occurring with these products that
20 occurs now which some people just take them all the
21 time. Clearly if that is the situation, it may be
22 something to consider. I know Eric may be able to add
23 some historical --

24 DR. BRASS: Well, I won't rehash or even
25 attempt to rehash. I think it's fair to say we are

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1 learning all the time and we are learning more about
2 the population that use it.

3 It think early on one of the concerns were
4 whether these messages could be effectively
5 communicated to a degree that would justify taking
6 valuable label space. Again, every square centimeter
7 on a label is very, very valuable and you prioritize.

8 I think at that time there was concern about the
9 effectiveness of communicating those messages and what
10 the benefit would be.

11 DR. CANTILENA: Okay. I think it's your
12 turn, Dr. Brass.

13 DR. BRASS: All my comments are related to
14 the label and it would be my preference if they were
15 addressed premarketing to the agency's satisfaction,
16 whatever that took whether that was another study or
17 your own wisdom.

18 I have a minor point that actually starts
19 at the very beginning. Under uses it reads, "For
20 prevention of the symptoms of frequent heartburn for
21 24 hours." I found the phrase "for 24 hours" dangling
22 at the end of that to be very confusing how that would
23 be interpreted.

24 I would put that under the paradigm of
25 communicating the expectations about when benefit

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1 would occur more clearly that you are really taking a
2 two-week course and how that overall message gets
3 communicated.

4 As was mentioned, I agree that a whole lot
5 of more appropriate bolding and coloring and
6 highlighting for the more significant messages would
7 be important.

8 I already alluded to that I'm not sure the
9 message under warnings, "Notify your doctor if you've
10 had heartburn for three months or longer without
11 talking to your doctor," has any added benefit against
12 this whole matrix.

13 I agree completely with the intent of that
14 message and if it's felt to contribute to patients
15 contacting their doctor, that's fine, but we've
16 actually not seen the impact of that statement
17 evaluated and, again, it takes up a lot of space.

18 "Do not use with other acid reducers."
19 Again, the complete rationale for that wasn't entirely
20 whether it was because they were concerned it would
21 interfere with efficacy or that you would be using
22 redundant medications. If so, whether or not you need
23 to name more specifically what medications.

24 Under the drug interactions, I would be in
25 favor of leaving warfarin even though there is not

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1 much data only because I believe any patients on
2 warfarin should talk to their doctor before they take
3 anything as a general rule. If putting a brand name
4 next to that improved that, I would be in favor of
5 that.

6 In contrast, I'm not sure if phenytoin has
7 an adequate basis and would lean towards removing
8 that. The differentiation between ketoconazole and
9 itraconazole I confess to have been totally confused
10 by the rationale, why one was on the Rx and the other
11 was on the OTC.

12 Perhaps in that class whether some
13 phraseology like a prescription medicine to treat a
14 fungal infection or something like that might
15 communicate that whole group more efficiently and more
16 effectively than the generic names which might not be
17 recognized.

18 Under, "Stop. Use a doctor if..." it
19 says, "Heartburn continues or returns after using this
20 product everyday for 14 days." That means you could
21 have continued pain for the entire 14 days before you
22 would call somebody.

23 I'm not sure if the curve of benefit
24 suggest that is the optimal time point if you are
25 still having symptoms to call or whether an earlier

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1 time point might be better.

2 I agree that the label should contain
3 something about repeat courses but I actually don't
4 know how to do that. I think a number like three is
5 right but I don't think we have very much experience
6 in communicating. That is a relatively abstract
7 concept at the time of purchase to communicate to a
8 consumer.

9 I'm not sure we have any experience in
10 communicating a message like that. That would be an
11 example where if that was felt to be important for the
12 safe use of this drug over-the-counter some serious
13 thought about what syntax would effectively
14 communicate that concept would be required.

15 I also agree with the comments about
16 strengthening the "don't use" under various
17 circumstances should be more dogmatically "don't use"
18 as opposed to down at the bottom, "Notify your
19 doctor," or "Ask a doctor before use." To my
20 perspective, and this is a general issue we've talked
21 about before in the labeling, "ask a doctor before you
22 use" as opposed to "don't use."

23 Same with the pregnancy warning. It
24 implies that it's probably going to be okay but just
25 check as opposed to "you should not do this unless

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1 instructed by." And whether the strengths or the
2 warnings for the warning symptoms and the pregnancy
3 can be made more definitive with stronger language
4 would be another concern I would have. Thank you.

5 DR. CANTILENA: Thank you, Dr. Brass.

6 Dr. Cryer.

7 DR. CRYER: Sir, my principal two issues
8 with regard to OTC usage as well as labeling are
9 comprehension and getting the consumer to the
10 physician early in the event of inadequate symptom
11 relief. Given that, I would agree with all of the
12 comments that have been stated that the label needs to
13 be rewritten in a way that is more comprehensible at a
14 lower grade level along the lines of some of the
15 specifics that have been discussed.

16 It's my understanding that the label in
17 its current format actually has not been tested.
18 Given that it was likely to be rewritten, I think it
19 would be very important to test comprehension of the
20 rewritten label prior to actual introduction to the
21 market.

22 With regard to getting people to the
23 doctor earlier, we have here a comment that says,
24 "Stop use and ask a doctor if your heartburn returns
25 after 14 days of this product," which I think is

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1 appropriate. I think you might want to consider also
2 including that specifically under the directions.

3 It doesn't specifically state in the
4 directions box that you might want to see your doctor
5 if the heartburn returns after 14 days. You might
6 want to either move it to that box or state it in two
7 places.

8 Then with regard to this issue of these
9 drug-drug interactions, I actually agree with the
10 comments that Dr. Brass made. The impressive data
11 that I saw was that the comprehension with respect to
12 the drug-drug interaction significantly increased from
13 50 percent to 80 percent when comparing a generic --
14 when specifically listing the generic versus the trade
15 name.

16 This may be one instance in which you may
17 want to break your precedent with regard to the
18 inclusion of trade names, specifically with respect to
19 this drug-drug interaction. I think that is actually
20 a public health benefit.

21 DR. CANTILENA: Thank you very much, Dr.
22 Cryer.

23 Dr. Johnson.

24 DR. JOHNSON: I probably won't say much
25 that hasn't already been said but with the thought

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1 that repeated messages give strength, then I'll repeat
2 them.

3 I think two to three courses per year is
4 reasonable. In terms of labeling, again, I think
5 there are a lot of changes needed. I find the "uses
6 for prevention" statement confusing as many others
7 have. I find the "notify your doctor" statement very
8 confusing.

9 Under, "Do not use with acid reducers,"
10 I'm not sure that if you ask a lot of health
11 professionals what exactly is an acid reducer --
12 that's not what we call them. I think there needs to
13 be some way to make that message clearer to patients
14 what that actually means.

15 I agree that the doctor statements are
16 important and probably should be strengthened. As
17 sort of a sidebar in terms of class labeling, I think
18 one could make an argument that kind of labeling for
19 antacids and H₂-RAs is even more important than it is
20 for this product because those products are used for
21 treatment of acute symptoms.

22 If you consider that the thing that we are
23 probably most concerned about being confused is acute
24 MI and you look at the data on acute MI and how many
25 patients have taken an antacid prior to coming to the

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1 ER, I think the evidence is even more compelling that
2 it should be on those products. That is sort of a
3 sidebar.

4 In terms of the drug interactions, I
5 really think it's critical that brand names are on
6 there. I'm not sure why the policy is such that it
7 precludes that. I concur with Dr. Brass that warfarin
8 probably is justified to stay on and phenytoin may not
9 be. I think there is no logic to having ketoconazole
10 but not itraconazole.

11 I think the message needs to be
12 strengthened that this product is not for immediate
13 relief of symptoms and is not for episodic use. I
14 think that's about it for the labeling.

15 In terms of Phase IV, in terms of an
16 assessment I'm not sure I have a recommendation but I
17 feel very strongly about the direct-to-consumer
18 marketing and feel that there really should be some
19 mandatory aspects in their direct-to-consumer
20 marketing.

21 I think it needs to encourage lifestyle
22 changes that would increase the response or decrease
23 the need for drugs. There needs to be a strong
24 message in that marketing about referral to physicians
25 or when they need to see their physician.

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1 I think it may be also very important to
2 clarify in that message that they are different than
3 other heartburn medications. I guess that could be a
4 selling point but specifically that they are not for
5 acute symptoms so there is not confusion about use of
6 this product compared to the other heartburn products.

7 DR. CANTILENA: Thank you, Dr. Johnson.

8 Dr. Alfano.

9 DR. ALFANO: Yes. I also agree two to
10 three times a year is appropriate. I think it should
11 be two to three because I think we all agree that it
12 is an empirical decision as opposed to fixing a number
13 as what's appropriate.

14 I've already commented that I think there
15 should be some label changes along the lines of what
16 everyone has suggested here and I won't repeat that
17 other than to make a comment that I thought Dr.
18 Johnson had a particularly cogent point about the
19 number of people who get an MI and will take an
20 antacid. The fact those other products are not
21 labeled is actually a little disconcerting.

22 Also, I don't see a need for Phase IV
23 trial but would agree with some of the other panelist
24 that suggest that the FDA ought to be able to make a
25 determination as to how the labeling should be

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1 modified and whether or not it should be studied again
2 and how.

3 DR. CANTILENA: Dr. Goldstein. I believe
4 labeling always needs to be internally consistent and
5 memorable where possible. In this case the caution,
6 warnings I should say, about if you've had heartburn
7 for three months or longer might well be linked to no
8 more than two courses in a three-month period or three
9 courses in a year, three being the link.

10 The other thing is I've spent considerable
11 time looking at that "notify your doctor if you had
12 heartburn for three months or long without talking to
13 your doctor," and wondering how you notify your doctor
14 without talking to him.

15 Of course, there are intermediaries.
16 Nonetheless, I truly believe that the sponsor and the
17 agency together will be able to with their resources
18 and their viewpoints work out appropriate labeling
19 that will make these committees and all of us
20 satisfied.

21 As for Phase IV requirements, perhaps the
22 sponsor may have more to say on that. I'll leave that
23 to them.

24 DR. CANTILENA: Okay. Thank you. My
25 comment is not to restate what has already been stated

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1 but just in general to the agency that approval of
2 this would be significant new ground for the agency.
3 I think that you've all heard fairly consistency that
4 the label needs a lot of help and revision and
5 validation.

6 I think all that needs to be done prior to
7 approval. We want to get this as close to right as
8 possible. Then I think it would be helpful for a
9 limited focused Phase IV study to test the
10 effectiveness of the label. It's sort of the ultimate
11 test but we have a lot of work to do on it for all the
12 reasons that have been mentioned. I see it as an
13 approvable proposition for the reasons stated.

14 Dr. Davidoff. I'm sorry, Dr. Bull.

15 DR. BULL: One clarification on your
16 comments. Do you see the labeling comprehension as
17 needing to be done before the drug is put on the
18 market?

19 DR. CANTILENA: Oh, absolutely.

20 DR. BULL: Okay. That would not be Phase
21 IV.

22 DR. CANTILENA: Absolutely. The label as
23 presented is in great need. Significant changes have
24 to be made. Then it has to be validated with a
25 comprehensive study. All the comments about

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1 subpopulations that need to be tested, I think, are
2 important.

3 I'm sorry, Dr. Patten. I told you it
4 would be a while but it was so long I actually forgot.
5 My apologies.

6 DR. PATTEN: That's fine. Many of the
7 things that I had in mind about label suggestions have
8 already been made but there are a couple of additional
9 points that I would like to make. It's very clear
10 that this will be marketed as a preventive. I think
11 people will be looking for something that they might
12 do in addition to prevention to give them very quick
13 relief.

14 It's noted here that it is not to be used
15 with other acid reducers. I wonder if it might be
16 wise to tell people what they can use for symptom
17 relief. If it can be used with an antacid, for
18 example, perhaps that should be stated.

19 I think the matter of comprehensibility
20 when you are letting people know how many repetitions
21 they can do in a year is going to be a very serious
22 issue to be tested. I think that will be very
23 challenging and very different than saying you can
24 take eight tablets in a 24-hour period. I think that
25 has to be attended to very carefully.

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1 I think that something should be said
2 about the relationship of the morning dose to food
3 intake. Is there an optimal lapse of time between
4 taking the tablet and eating your breakfast, for
5 example. I think people should be given some
6 guidelines if that is at all possible.

7 Then finally just a very picky point under
8 "other information." Maybe this is even a theological
9 issue. Is this a carton or is this a package? We are
10 told, "Keep the carton and the package insert."

11 I gather that both of these terms refer to
12 the box that this is going to come in. Just to be
13 consistent with the terminology, I think it would be
14 useful and would improve comprehensibility to a
15 broader spectrum of the population. That's it. Thank
16 you.

17 DR. CANTILENA: Thank you for those
18 comments.

19 Are there any other issues? Dr. Davidoff
20 and then for the FDA.

21 DR. DAVIDOFF: Yes. Since I voted no, I
22 realized that I didn't meet my obligation to say
23 anything about this question for those who did not
24 recommend approval, namely what additional information
25 needs to be provided.

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1 Actually, since it looks like the
2 recommendation is for approval, I should convert that
3 into what should the agency require as any Phase IV
4 commitments because essentially I think what I have in
5 mind is the same thing. The drug, as I understand it,
6 has been on the market as a prescription drug for 13
7 years.

8 That's a pretty long time, but it may not
9 be long enough to detect some of the longer-term
10 effects that I raise as concerns. It might take 15 or
11 18 or 20 or 25 years for substantial population-wide
12 effects both in terms of masking of neoplastic disease
13 or potentially induction to appear.

14 I would, therefore, strongly encourage
15 that particularly if the drug is approved for over the
16 counter some form of continuing monitoring, very close
17 looks at the data from a sophisticated epidemiological
18 point of view. I mean, it's one thing to hear about
19 -- it's important to hear about the experience of
20 individual practices, but I don't think that answers
21 the question. I would strongly encourage that that
22 happen.

23 On the issue of -- I also didn't comment
24 on the label and I won't repeat what other people have
25 said but there are a couple of things that I thought

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1 might be useful to add.

2 One was that in terms of wording that
3 might help understand what the purpose of this drug
4 is, prevention of the return of symptoms strikes me as
5 a kind of wording that might actually be more helpful
6 than prevention for 24 hours.

7 When you think about it, that is really
8 what it's aimed to do. It's not to prevent -- it's
9 not to relieve what's happening now. It's to prevent
10 it from coming back. The word return or recurrence or
11 something might be useful.

12 My final comment on the label has to do
13 with this issue of digoxin because that keeps slipping
14 off the table. I can't understand why because we've
15 heard two things about it. One is that it's a very
16 small study, 22 patients with no confidence intervals
17 presented showed no difference. We have no idea how
18 negative that study was because we didn't see the
19 confidence intervals.

20 We also heard there was a 10 percent
21 increase in levels. Digitalis is a dangerous toxic
22 drug and I would suggest either that there be more
23 data collected -- that's what ideally I would like to
24 have happen -- before a decision is made about
25 labeling on digoxin. Or, pending that, that the

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1 conservative thing would be to put some kind of
2 wording that does at least make a caution about people
3 on digoxin, particularly if they are in renal failure.

4 DR. CANTILENA: I think that is an
5 excellent point. Just a short of word for future
6 sponsors is that it's very helpful to the committee to
7 see individual data and/or confidence intervals as
8 opposed to just an average without anything. That's
9 not very helpful and it probably does more harm than
10 good.

11 Comments from the FDA? Dr. Houn.

12 DR. HOUN: I just want to summarize a lot
13 of you gave labelling suggestions. Some of them very
14 extensive dealing with the indications, the warnings,
15 new information such as limited course two or three
16 times a year and no more than maybe every four months
17 or so, new messages.

18 Most of you except for, I guess, Dr. Brass
19 as voting members are wanting to see them tested out
20 in terms of their level of comprehension by a
21 naturalistic public setting prior to approving the
22 final label. Is that a correct summary?

23 DR. CANTILENA: I believe it is.

24 DR. HOUN: Then I also heard this new
25 information about limiting frequency to two to three

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1 courses in a year. Is that something you want tested
2 to show that, in fact, people are not taking this
3 continuously or are you saying this is nice to have on
4 the label but you don't need to have the data to show
5 that people are, in fact, complying with that aspect?

6 DR. CANTILENA: We didn't actually answer
7 that. I guess -- well, I'm not sure. How many of the
8 committee would want to see that specific statement
9 actually tested as opposed to just being there? All
10 in favor of seeing it actually tested?

11 DR. BRASS: Tested on a comprehension
12 basis or a one-year longitudinal trial for use?

13 DR. CANTILENA: Tested in a comprehension.
14 Is that what you're asking?

15 DR. HOUN: Well, I would ask both. I'm
16 asking both.

17 DR. CANTILENA: Okay. How many would like
18 to see the new label including that specific message
19 tested in a one-year or longer actual use study? All
20 in favor, raise your hand. One hand. I don't know if
21 you're recording this.

22 DR. GELLER: Can I just justify that? I
23 guess I don't like the idea of putting number of doses
24 permitted or recommended on the label without any
25 data. The alternative is to say that only one dose

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1 was tested.

2 I mean, people -- it's obvious from what
3 has been said here that we expect people to use it
4 more than once. Perhaps some caution should be urged
5 but to say two or three times is okay without data is,
6 I think, really an extrapolation that we shouldn't be
7 making.

8 DR. CANTILENA: Okay. I guess just to
9 follow through, how many would like to see that
10 message that you should not have more than two or
11 three courses in a year tested in a label
12 comprehension setting? Hands? Okay.

13 Sandy, do you have them all?

14 How many of you don't want to see that
15 tested at all or don't think it's required? Don't
16 think it's required.

17 DR. GOLDSTEIN: Mr. Chairman.

18 DR. CANTILENA: Yes, sir.

19 DR. GOLDSTEIN: If I may, all of this,
20 two, three courses of presumably the original 14 days
21 has been in the last few minutes talked about with the
22 background of 28 days over and over again. A little
23 while ago we heard that 28 days was more effective.
24 To now limit it in this fashion may be not entirely
25 appropriate.

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1 DR. CANTILENA: I just think that we're
2 asking if that message should be tested that we can
3 effectively translate that or communicate that. I
4 think that is all we are saying. I think the job of
5 the Advisory Committee is to advise the FDA on whether
6 or not there should be a limit and, if so, what it
7 should be. A lot of what we do we don't have the
8 specific study to answer the question. If that study
9 existed, they probably wouldn't ask us the question
10 because they would have the answer.

11 Are there other issues from the FDA that
12 you would like addressed? Any issues -- I'm sorry.
13 Dr. Clapp.

14 DR. CLAPP: I have concerns about the
15 methodology of the testing. Of course, all testing
16 has to be contrived to a degree, but in that the
17 participants were given a diary and the diary was
18 rather -- well, we didn't hear specifically what was
19 requested of the diary but it seemed like a rather
20 nebulous vehicle for putting your thoughts and
21 impressions of the medication rather than asking
22 specifics as to, "What did you take instead of the
23 medicine when you missed it?"

24 My other concern is that there was a great
25 deal of artificial incentive in that and writing in

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1 the diary would make you more likely to take your
2 medication just by the fact that you knew that was an
3 obligation for which you had to resubmit your diary to
4 get your 100 dollars and get the 20 dollars at the
5 onset of the study. I would see that there could be
6 other mechanisms by testing whether or not people were
7 compliant that wouldn't involve such an inherent
8 incentive.

9 Perhaps having a nurse go to the home at
10 the end of the 14 days and see how many blister packs
11 are left. There could be other methods that would
12 increase the reliability of the data and not make it
13 such an incentive driven solution.

14 DR. CANTILENA: Okay. Other questions or
15 comments from FDA? Do you have one?

16 DR. HOUN: I hate to ask this. Are you
17 interested in seeing this again?

18 DR. BRASS: No.

19 DR. CANTILENA: Does anyone else want to
20 come back to Bethesda? I guess why don't we just vote
21 on it for whoever is left.

22 DR. HOUN: Or you could just leave it to
23 us.

24 DR. CANTILENA: Why don't we -- yeah. If
25 it's an issue where it's a hard call, then it's

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1 obviously something you should look at but I think all
2 the issues are addressed. I think we've probably
3 talked about it enough.

4 Are there any other issues from FDA? Any
5 issues from the sponsor? Thank you for your patience
6 in having us talk about your drug all day.

7 DR. PEURA: No, not at this time. I want
8 to thank the committee very much.

9 DR. CANTILENA: Okay. There are just two
10 announcements from Dr. Titus and then we will close.

11 DR. TITUS: Thank you all. There are
12 taxis downstairs going to National for those that are
13 leaving immediately. If you want your material
14 returned to you, put your name tag on top of the
15 material and we will mail it to you. Otherwise, we
16 will take care of it here. Thank you.

17 DR. CANTILENA: Okay. Thank you,
18 everyone. The meeting is adjourned.

19 (Whereupon, at 4:35 p.m. the meeting was
20 adjourned.)

21

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