

1 that the Synergo system is effective. If not, what
2 additional data or analyses are needed?

3 And what we're going to need is an official
4 response to that question from each Panel member. So
5 we'll go around from right to left for this first
6 question, and pick a different direction for
7 subsequent questions. So, Dr. Marcovich, your
8 response to the question.

9 DR. MARCOVICH: Well, I certainly don't
10 think this is perfect study, but I think as
11 Dr. Connor pointed out, the magnitude of the effect
12 was impressive enough that I think that in my
13 opinion, the data are reasonable, or there's a
14 reasonable assurance that the system is effective.

15 DR. TALAMINI: Thank you. Dr. Donatucci,
16 your thoughts.

17 DR. DONATUCCI: I agree with it. It does
18 appear to be effective, and I take a little bit of
19 solace in the fact that I know that these patients by
20 definition are going to be followed up. So it's not
21 as if they'll be treated and then lost, and therefore
22 if it's ineffective, we'll lose those patients.
23 These patients will be carefully screened. So given
24 the magnitude of the effect and the fact that they
25 will be followed, I'm comfortable with that.

1 DR. TALAMINI: Thank you. Dr. Lippert.

2 DR. LIPPERT: Yes, I agree that it is
3 effective despite the flaws.

4 DR. TALAMINI: Thank you. I can't see your
5 name tag.

6 DR. BHUTANI: That's okay. Manoop Bhutani.
7 What I feel is given Dr. Connor's comments that the
8 design is not perfect, there are some statistical
9 limitations but the magnitude of the effect was so
10 large that considering the standard of care currently
11 being BCG or MMC, that at least even if we discount
12 some of these statistical considerations, it would be
13 at least as effective as the current treatment but
14 probably better and realizing that patients sometime
15 may not respond to one therapy but may respond to the
16 other, I think having more than one option, more than
17 one effective treatment would make sense, and so
18 that's what I feel at this point.

19 DR. TALAMINI: Thank you. Dr. Connor.

20 DR. CONNOR: I guess I agree with the Panel
21 members who agree with me that the magnitude is large
22 enough that it overcomes some of the biases that we
23 understand exist. So I believe this is probably
24 effective.

25 DR. TALAMINI: Okay. My answer to the

1 question, just going around the room, would be the
2 same as well, that the effect is so great as to in my
3 mind to overcome the statistical flaws. Dr. Dahm.

4 DR. DAHM: I also see that there are
5 multiple issues with the study but the same way as we
6 would, as we're willing to upgrade the quality of
7 evidence that we assign to observational study of the
8 effect size is large, and I suspect that this
9 treatment is a lot less effective than it seems to be
10 but it seems to be effective.

11 DR. TALAMINI: Thank you. Dr. Kalota.

12 DR. KALOTA: I think the treatment seems to
13 be effective, and even if it was less effective than
14 they're showing, it appears to be at least as
15 effective as BCG and as a treating physician, there's
16 many patients who can't tolerate it. So to have
17 something else, even as effective as BCG, is
18 worthwhile to me. So having potentially better is
19 even better.

20 DR. TALAMINI: So just to clarify, you're
21 saying that even if it was equivalent to BCG, there
22 would still be an advantage in your mind as a
23 clinician to have an additional therapeutic option.

24 DR. KALOTA: Correct. So there's that much
25 margin in my mind if the statistics are off by quite

1 a bit.

2 DR. TALAMINI: Thank you. Dr. Redman.

3 DR. REDMAN: Yeah. Some of the concerns
4 expressed, especially multiple sources of bias and
5 the FDA questions, in my mind going back, I don't
6 think there is that many biases in retrospect of look
7 at the data. You can't collect pathology reports on
8 patients who haven't had biopsies done. It appears
9 from the data that cystoscopies were done. They were
10 followed. The differences in mitomycin C, how it was
11 administered, the control arm received mitomycin C as
12 it's done in the office. So I don't think there's
13 that many biases. In the two groups, when you look
14 at them, even though weren't pre-stratified, they're
15 similar. I don't see the bias there. The only one
16 that can possibly exist is not having reviewed the
17 pathology reports on entrance and see if they're
18 complete pathology reports. So you can't assume that
19 the inadequacies are the same in both arms. But the
20 follow-up was done as stated and we have follow-up
21 data and the treatment effect is substantial.

22 DR. TALAMINI: Thank you, Dr. Redman.
23 Ms. Stokes.

24 MS. STOKES: Yes. I'll limit my response
25 to the definition as presented to determine whether

1 or not Synergo is effective. And, in fact, when we
2 defined it as providing reasonable assurance, I think
3 that that is accomplished. I've gone through the
4 definition clause by clause and I agree that as
5 presented, it appears to be most effective, and the
6 fact also that it is an alternative. Thank you.

7 DR. TALAMINI: Thank you, Ms. Stokes.
8 Dr. Layton.

9 DR. LAYTON: Yes. I also believe
10 reasonable assurance of effectiveness for the
11 clinical study. I also feel that the device is doing
12 what it's supposed to do.

13 DR. TALAMINI: Thank you, Dr. Layton.

14 So, Ms. Brogdon, in regards to Question 1,
15 the Panel generally believes that the data is
16 impressive enough as to overcome the clearly
17 discussed and defined flaws in the statistical
18 methods in the study, and that at least as an
19 alternative therapy and more importantly as a better
20 therapy, the Panel feels that this is effective. Is
21 that adequate?

22 MS. BROGDON: That's adequate and clear.
23 Thank you.

24 DR. TALAMINI: Thanks. So let's move onto
25 Question Number 2.

1 Question Number 2 refers to Safety. Under
2 21 U.S.C. 860.7(d)(1), safety is defined as
3 reasonable assurance based upon valid scientific
4 evidence, that the probably benefits to health under
5 conditions of the intended use, when accompanied by
6 adequate directions for use and warnings against
7 unsafe use, outweigh any probably risks.

8 As observed in pivotal Study 101.1 and the
9 supporting clinical data sources, treatment with the
10 Synergo system results in an increase rate of adverse
11 rates, adverse incidences I think that should read,
12 over mitomycin C alone, particularly posterior
13 bladder wall tissue reaction, pain and bladder
14 spasms. These events were generally mild, localized
15 and transient. However, limitations in the design
16 and conduct of the pivotal study potentially impair
17 the ability to interpret the safety analysis
18 including (a) the absence of concomitant medication
19 information; (b) the retrospective completion of a
20 portion of case reports forms; and (c) reliance on a
21 small, limited study population to perform the
22 risk/benefit analysis and generalize the study
23 results to the general U.S. population.

24 Considering the design and conduct of Study
25 101.1 and the supporting clinical data sources,

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1 please discuss whether the clinical data in the PMA
2 provide reasonable assurance that the product is
3 safe. If not, what additional data or analyses are
4 needed.

5 And I think to keep things relatively
6 random, why don't we start with Dr. Dahm and we'll go
7 counterclockwise this time and come back around to
8 me. So, Dr. Dahm.

9 DR. DAHM: So once again I think this was
10 not the perfect study. I think the concerns that we
11 have to review here are real. What is reassuring
12 though is that the side effects or adverse events
13 that were seen were mild in nature. So I think
14 there's reasonable assurance that this device is safe
15 in my opinion.

16 DR. TALAMINI: Thank you, Dr. Dahm.
17 Dr. Connor.

18 DR. CONNOR: I basically agree and I would
19 agree that even though we don't have as precise
20 information as we want, the adverse events that
21 seemed to be higher were short term and not terribly
22 serious. So I would agree that the device is
23 sufficiently safe.

24 DR. TALAMINI: Dr. Bhutani.

25 DR. BHUTANI: I agree that the device based

1 on the data thus far on studies and cumulative
2 experience in Europe seems to be reasonable safe, and
3 further assured by the fact that there are side
4 effects that have been reported that have mostly been
5 minor and self-limiting.

6 DR. TALAMINI: Thank you. Dr. Lippert.

7 DR. LIPPERT: I agree that the side
8 effects, although higher incidence, are mild, this
9 product is safe.

10 DR. TALAMINI: Thank you. Dr. Donatucci.

11 DR. DONATUCCI: I agree that when this
12 product is used as indicated within the precautions,
13 it appears safe.

14 DR. TALAMINI: Thank you, Dr. Donatucci.
15 Dr. Marcovich.

16 DR. MARCOVICH: I agree also that it is
17 reasonably safe.

18 DR. TALAMINI: Thank you. Dr. Layton.

19 DR. LAYTON: Yes, I also agree there's a
20 reasonable assurance of safety. The adverse events I
21 understand and I'll look at them and address them.

22 MS. STOKES: Yes, I find that the benefits
23 to health clinically outweigh the adverse conditions
24 that may exist, and I find the product reasonable
25 assured that it is safe.

1 DR. TALAMINI: Thank you, Ms. Stokes.
2 Dr. Redman.

3 DR. REDMAN: I agree that there's a
4 reasonable assurance that the product is safe from
5 the data that we were given.

6 DR. TALAMINI: Thank you. And I would
7 share that opinion.

8 So, Ms. Brogdon, in regards to Question 2,
9 the Panel was -- oh, I am so sorry. Dr. Kalota.

10 DR. KALOTA: I'm going to agree with the
11 rest of the Panelists.

12 DR. TALAMINI: Okay. So, Ms. Brogdon, with
13 regard to Question 2, the Panel sounds unanimous in
14 their opinion that there's a reasonable assurance
15 that the product is safe. Is that an adequate
16 response?

17 MS. BROGDON: Yes, it is. Thank you.

18 DR. TALAMINI: Thank you. So moving on to
19 Question 3, post-approval study, and I will read it
20 as written although we sound as if we have
21 information to the contrary.

22 The firm proposes to conduct a single-arm
23 post-approval study, in which 211 subjects will be
24 followed for 12 months to further evaluate the safety
25 of this combination product. If the Synergo system

1 is recommended for approval, with or without
2 conditions, please discuss whether the proposed
3 design of this post-approval study is adequate to
4 address all relevant remaining safety and
5 effectiveness issues. If your deliberations, please
6 discuss the following:

7 (a) The firm proposes to evaluate safety by
8 comparing the frequencies of adverse events to those
9 reported in Study 101.1. What would you suggest as
10 the most appropriate comparator, and why?

11 (b) The proposed study does not include a
12 plan to assess longer term post-market effectiveness
13 in a larger, more diverse population. Should longer
14 term effectiveness be studied post-market? If so,
15 what endpoints should be evaluated?

16 (c) The current proposal includes one-year
17 follow-up. Is one-year follow-up sufficient to
18 assess the long-term performance of this combination
19 product?

20 (d) The firm proposes non-inferiority tests
21 for the 8 specified adverse events, using delta
22 values of 10 percent and 5 percent for common, i.e.
23 greater than or equal to 50 percent, and rare events,
24 respectively. Please discuss the need for
25 clarification of definitions of common versus rare

1 events, and the rationale for delta values and what
2 might be appropriate in each case.

3 So I would ask the Panel members to do
4 their best to answer these specific in the record
5 questions with the knowledge that we've gained
6 regarding the sponsor's plans as we've heard them.
7 And I think each Panel member needs to address (a),
8 (b), (c), and (d) separately to the extent possible.

9 Recognizing that this may be a slightly
10 larger task than the other questions, Dr. Kalota,
11 would you be willing to begin since I almost forgot
12 you last time, and then we'll go clockwise.

13 DR. KALOTA: Okay. As I understand it, (a)
14 is already going to be readdressed. I think the way
15 that my understanding of what they're proposing now
16 is more appropriate. As someone who is not in
17 academics and doesn't write papers, it's much more
18 useful for me to see absolute frequencies and numbers
19 and not comparison to a previous study that the way
20 it was previously suggested that they were going to
21 do non-inferiority, I get lost on that. So the
22 current way that it sounds like is proposed sounds
23 much more effective to me.

24 DR. TALAMINI: So your suggestion as the
25 most appropriate comparator would be what?

1 DR. KALOTA: Just delineating the safety
2 issues rather than a non-inferiority.

3 DR. TALAMINI: Okay.

4 DR. KALOTA: I think in the long term, we
5 need a longer-term study but for a specific post-
6 market study, a year is probably appropriate. I
7 don't see -- (b) and (c) to me sound very similar.
8 One-year follow-up, I think there was a statistically
9 significant difference in the results and so one year
10 probably will show us what we need to see, but as a
11 clinician, a minimum two-year follow-up would be
12 appropriate. For FDA, one year I think is fine.

13 And (d), again we're getting into non-
14 inferiority tests and I'm getting lost on the
15 question of statistics there.

16 DR. TALAMINI: How about the issue of
17 common versus rare events? Do you have an opinion
18 there? If not, fine. We'll move on.

19 Ms. Brogdon, do you have a clarification
20 for us?

21 MS. BROGDON: If they list all their side
22 effects and all their events, then I think that's
23 sufficient.

24 DR. TALAMINI: I think Ms. Brogdon is going
25 to help us out here.

1 MS. BROGDON: I don't know if I'm helping
2 here. I would just like to clarify what you said
3 about one year versus two years.

4 DR. KALOTA: When I see my patients, I'm
5 always having them -- for the first two years, I need
6 to see them every three months. I think that's when
7 the most common recurrences occur but as we saw in an
8 early slide, the most common recurrences are in the
9 first three to six months. So by one year, I think
10 we do have sufficient information to make a
11 determination on the results, but as a clinician, I'd
12 like to see longer studies but it's purely a
13 preference for my information. I don't think it's
14 necessary for a FDA purpose. So one year would be
15 sufficient in my mind.

16 MS. BROGDON: Thank you.

17 DR. TALAMINI: Dr. Redman, are you ready to
18 tackle this one?

19 DR. REDMAN: Sure, (a), I think just
20 reporting the incidence in numerical percentage
21 points would be adequate at this point in time based
22 on the toxicity profile, what we've seen with at
23 least 101.1. So I think that answers (a).

24 (b), I might be a little confused on. My
25 feeling is that if we have a problem with the

1 effectiveness of the agent, then we shouldn't be
2 approving it, that we did already or recommended for
3 approval. So I thought this applied to toxicity, and
4 so I don't think there has to be a longer term for
5 toxicity. My understanding is that as a urologist,
6 this treatment is essentially six months, eight weeks
7 and then monthly for four months, and that's six
8 weeks and I'm assuming one-year follow-up for
9 toxicity at least would be more than adequate for
10 mitomycin therapy. So I'm not sure I'm answering
11 that question. As far as toxicity, I think this
12 study is proposed, post-marketing study for toxicity
13 is fine.

14 DR. TALAMINI: For one year.

15 DR. REDMAN: For one year. I will, and I
16 don't know if you can tell me this is off, can't do
17 this, but I would suggest, not that I want to add
18 another data point in, but one of the data points for
19 toxicity be percentage of patients who are able to
20 complete the full cycle of therapy and didn't stop
21 because of recurrence but completed the full cycle
22 therapy because a lot of times patients say I can't
23 do this anymore and we as doctors don't really mark
24 it down as a toxicity. So I think it would give some
25 information of how this works out in the American

1 population which may not be as strict as the Italian
2 population and say you need to do this and they just
3 say, no, I'm not. So I think catching the data on
4 how many complete the full cycle of therapy and don't
5 stop because of recurrence, but stop for other
6 reasons would be important to know.

7 DR. TALAMINI: So do you -- going back to
8 (b), I think that the concept behind that is that the
9 original studies were not done in a U.S. population.
10 They were done in an overseas population.

11 DR. REDMAN: Right.

12 DR. TALAMINI: So I think one question
13 is -- I think we need to answer that question with
14 that in mind, and also the question of longer-term
15 effectiveness. Do we need longer term effectiveness
16 studies as part of a post-market study or not? It
17 sounds like your answer was no.

18 DR. REDMAN: I'm assuming that we will have
19 longer follow-up on the Study 101.2, the BCG, yeah,
20 the study is going to be followed long term. I sort
21 of look at this as if we think we need more
22 effectiveness data, then we should be saying that
23 there's not enough data to say it's effective now I
24 guess. When I read the material, I didn't get the
25 sense that the post-marketing study was for an

1 efficacy endpoint. It was for, lack of a better
2 word, feasibility toxicity, can this -- is this safe
3 when administered by American physicians to the
4 American population.

5 DR. TALAMINI: Absolutely correct, that we
6 can use the post-market plans to predicate our
7 recommendations about approval or not, but say for
8 instance, the device comes to America and for some
9 reason, Americans respond very differently. Do we
10 need to -- does the study, if it's going to occur,
11 need to take that possibility into account?

12 DR. REDMAN: Well, if you're asking me as a
13 medical oncologist, do we want efficacy data, I tell
14 you all the time, yes.

15 DR. TALAMINI: Okay.

16 DR. REDMAN: The more, the better. But I
17 guess the question is, is this study geared for us
18 since it's not randomized, if it comes back and does
19 not match the efficacy data exactly or close enough
20 to 101.1 or the 101.2 arm with this methodology, and
21 I apologize that I'm doing this from the drug
22 perspective, I mean I'm looking at this as it's
23 already approval, do you then pull it?

24 DR. TALAMINI: Separate question.

25 DR. REDMAN: Well, I guess what I'm asking

1 is if you're going to ask the sponsor to collect
2 efficacy data, it's because you would act on that
3 efficacy data. If you're not going to act on the
4 efficacy data, then it's an extra, costs them more
5 money, you know.

6 DR. TALAMINI: Yeah, I agree with you but
7 with respect to this question, the assumption here is
8 that there will be a study, and if so, what should it
9 look at. That's great. Dr. Dahm, did you have
10 clarification?

11 DR. DAHM: Yeah, I just had a comment. I
12 mean we don't know whether we're going to get
13 additional data from Study 102. It might get stopped
14 early for benefit for instance. So if we want
15 additional effectiveness data, I think we should
16 decide that it should be part of the post-approval
17 study.

18 DR. TALAMINI: Ms. Brogdon.

19 MS. BROGDON: I don't want you to feel that
20 every Panel member has to commit themselves on all
21 four parts of these questions.

22 DR. TALAMINI: Okay.

23 MS. BROGDON: We don't want to squelch the
24 discussion that the committee needs to have. So what
25 we need at the end is a consensus on the various

1 parts of this question, but I don't know that you
2 discussed this enough to really come to a consensus.

3 Also, I wanted to ensure that you
4 understand the purpose of our asking this question.
5 If your recommendation in the end for is approval or
6 approvable with conditions, then the question would
7 be pertinent, whether there should be a post-approval
8 study. So we're discussing this now as a
9 contingency. So we would certainly like to hear all
10 of your thoughts on the necessity of a study and what
11 it should cover, what the purpose of it would be, and
12 I would call your attention to slide 103. That was
13 part of the FDA presentation about the various
14 rationales for doing a post-approval study, and they
15 would include longer term performance, community
16 performance, that means outside investigational
17 sites, effectiveness of training programs, subgroup
18 performance, collecting data on rare adverse events
19 and real-world experience. So these are some reasons
20 for doing post-approval studies.

21 So again, I don't know that each member has
22 to commit themselves on each part of this right now.
23 We want to have a full discussion.

24 DR. TALAMINI: Got it. Dr. Donatucci.

25 DR. DONATUCCI: Yeah. I'd like to ask the

1 FDA a question that I had this morning but I was
2 holding. In order to discuss post-market studies,
3 one has to understand what would occur if there were
4 no post-market study both in terms of tracking of
5 adverse events and reporting of adverse events. Now,
6 this is a combined product. I'm well aware of what
7 happens in the drug realm, that there's a very strict
8 mechanism. Any adverse event reported to a
9 manufacturer has to be reported, codified and sent to
10 FDA within a timeframe, et cetera, et cetera, and so
11 you do signal analysis and you look for rare events.

12 With a device that's only been used in less
13 than 200 people to date, rare is relative. And what
14 happens to a device that is a combination that gets
15 approved, goes to market, outside of this study, how
16 are adverse events recorded prospectively?

17 MS. BROGDON: I'm looking for one of the
18 statisticians who would have been involved in this,
19 excuse me, epidemiologists who would have been
20 involved in this. Dr. Wei, do you have a response to
21 this, on how adverse events would be captured by CDRH
22 versus CDER?

23 DR. LOYO-BERRIOS: My name is Dr. Nilsa
24 Loyo-Berrios, the epidemiologist in the Office of
25 Surveillance and Biometrics, and we do the post-

1 market surveillance for the devices. One of the
2 post-market tools we have, it's called the MDR
3 reporting system, and it's a passive surveillance.
4 That means we receive voluntary reports from users,
5 from facilities, and then the sponsors do have to
6 have some requirements to submit deaths and injuries
7 and malfunctions and all that. So through that
8 system, we collect some of the adverse events that
9 may happen outside of a control study.

10 DR. DONATUCCI: So I guess if you're going
11 to do that, then the question is what, beyond the
12 studies and the data that we've already seen, what do
13 we require the manufacturer to provide that won't be
14 captured through that mechanism?

15 DR. LOYO-BERRIOS: This mechanism is
16 somehow limited because it depends on voluntary
17 reports. This means we don't get all of them. By
18 doing post-approval studies, if the Panel believes
19 safety's a concern, then it should be addressed in a
20 post-approval study, then there should be a
21 hypothesis for the safety endpoint with power to
22 study to test that hypothesis and then conduct the
23 study.

24 DR. TALAMINI: Thank you. So since this
25 question was written when there was a proposal on the

1 table that it sounds like is now up in the air,
2 perhaps the Panel needs to think about this even
3 though this is in the record at a higher level, a
4 broader level of knowing, you know, having learned
5 about this device and read all the data what issues
6 there ought to be -- what issues should be considered
7 if a post-market study is to be done. Perhaps that's
8 a broader, easier question to address. Dr. Connor.

9 DR. CONNOR: So I think that's a good point
10 and I'm glad you've brought the conversation back to
11 here, and along that line, while you're here please.
12 I guess so the -- ideally for clinicians it would be
13 great to see a summary of adverse events, but from a
14 regulatory standpoint and this gets out there and
15 then there's a problem and maybe the device were
16 recalled so to speak, is the post-approval study as
17 currently proposed, is it of any benefit or is it
18 doing anything other than getting clinicians data
19 that they would want meaning it seems like -- there's
20 nothing formal going on testing adverse event-wise in
21 the current proposal, but you have a system in place
22 that informally tracks adverse events if they happen
23 that is self-report on the doctor's point of view
24 which would then initiate some sort of action
25 regulatory-wise if there's a problem. And it sounds

1 like that would happen anyway and that would be
2 independent of the currently proposed post-approval
3 study. So I wanted to make sure I understood that
4 the current post-approval study isn't helping
5 withdraw this product from market.

6 UNIDENTIFIED SPEAKER: Correct.

7 DR. TALAMINI: Dr. Redman.

8 DR. REDMAN: I'm sorry. To get back to
9 this efficacy because I'm looking at the synopsis
10 provided by the sponsor, but if you want to add
11 efficacy on, you're going to have to collect in some
12 reasonable fashion the initial stage and grade of all
13 the patient's under -- such as the fact that if all
14 of a sudden on this study post-marketing doesn't show
15 the same result as 101.1, you'd have to go in and
16 find out, well, is it because 90 percent of the
17 patients were T1 grade 3 whereas in the initial
18 studies they weren't that, or if it's highly
19 superior, it may be -- you're going to have to accept
20 the fact that it might be 90 percent of them are Ta
21 grade 2 patients. So I don't -- I think that it puts
22 a burden on, a further burden which you can do, you
23 know, to the company saying if you want efficacy. As
24 I read this, the main purpose, the only purpose was,
25 and I guess we have the right to change this, but the

1 only purpose was to determine the toxicity, the side
2 effects profile of the regimen.

3 DR. TALAMINI: Ms. Stokes, do you have
4 thoughts on Question 3 and you don't need to go
5 through the four points.

6 MS. STOKES: Thank you. As to (a), I think
7 that the comparison to the frequency of adverse
8 events, I think should be the comparator. I think we
9 need some history. There is going to be a post-
10 approval study, then with a new group of subjects,
11 then we have some history upon which we can compare
12 and look at the differences or the similarities as
13 well. So I think that's a good comparable as stated
14 in (a).

15 In terms of post-studies, long-term
16 projects, long-term performance, I think the one
17 year, I'm looking at (c) specifically, I think that
18 the one-year follow-up appears to be sufficient. I
19 think they needed to be tight controls over any new
20 study group. And one concern I do have is, is there
21 a long-term effect of heat upon the bladder? Are
22 there any negative outcomes? I thought about the
23 animal study, and the one thing I was concerned about
24 is how long was this study conducted on the sheep?
25 What was the data? We didn't hear about that. We

1 just have the conclusion that there were no adverse
2 effects, but I assume that there had to be something
3 but it wasn't disclosed in the information provided.
4 My only concern to that, while the study group, here
5 it's limited to 211 subjects, I'm not quite sure how
6 you arrived at 211 when in the previous study it was
7 difficult to even end up with 100 subjects, and I'm
8 not sure why that occurred, but I think that
9 hopefully we'll be able to get a sample that sort of
10 represents what is actually happening in the
11 community or the subjects that we look at altogether.
12 Is 211 subjects representative of total number of
13 patients that are out there with this particular
14 condition, this particular bladder condition? Those
15 are my comments.

16 DR. TALAMINI: Thank you. Does the Panel
17 have a response to those comments or thoughts?

18 (No response.)

19 DR. TALAMINI: Dr. Layton, your thoughts on
20 this question?

21 DR. LAYTON: Yeah, I have real short
22 comments relative to what -- point (a), just
23 reporting the incidence is adequate. (b) I'm not
24 going to comment on. (c), a year is sufficient as
25 far as I'm concerned. And then (d), common versus

1 rare events, I think a list of percentage, that type
2 of thing is adequate.

3 DR. TALAMINI: Thank you. I'm having
4 trouble getting, and maybe there isn't one, a
5 consensus from the group about these -- certainly
6 there seems to be developing consensus regarding
7 absolute numbers and frequencies and perhaps the one-
8 year length, but this question of the American
9 population versus the European population, I haven't
10 really heard anybody speak to. So perhaps that's not
11 an issue or if it is, then the remainder of this
12 discussion on the question, please bring it up.
13 Dr. Marcovich, you're thoughts.

14 DR. MARCOVICH: Yeah, that was going to be
15 an issue for me. I think, yeah, maybe they are the
16 same population but we don't know that for sure, and
17 I don't see why you would not want to track the
18 efficacy of this in the U.S. population for some
19 period of time. Maybe it does put more of a burden
20 on the company but I'd rather have the burden on the
21 company rather than on the patients that are
22 submitting themselves to this.

23 DR. TALAMINI: What period of time?

24 DR. MARCOVICH: For the efficacy, I think
25 one year would be a minimum, and that to go along

1 also with the safety.

2 DR. TALAMINI: What about the question of
3 rare events versus common events? In a post-market
4 study, should a post-market study attempt to detect
5 rare events?

6 DR. MARCOVICH: I think every event that
7 can be detected should be, you know, surveyed or it
8 should be out there that, you know, one person has a
9 catastrophic complication like a perforation, that
10 should be noted. It can also be noted that it was an
11 extremely rare event, but that should be noted. And
12 I think the current method of, you know, voluntary
13 recording is not adequate.

14 DR. TALAMINI: Okay. Dr. Donatucci.

15 DR. DONATUCCI: I'll try to be brief which
16 is tough for me but I don't have an issue with the
17 efficacy data. I'm more concerned about whether a
18 post-market study of adverse events in a control
19 population would be reflective of what will happen
20 when the device is introduced into the general
21 physician pool, and that's why I was concerned about
22 what happens outside this study. Previous devices
23 that were carefully studied, both pre and post-
24 market, still had a significant number of adverse
25 events that hadn't been anticipated due to improper

1 usage. So that's really -- in my mind, that's really
2 where I would have some concern.

3 As far as the population, if anything, the
4 European population tends to have more smokers today
5 than the U.S. population. So I think the efficacy
6 probably should be, if anything, better in the group
7 in the U.S.

8 As far as duration, since you know that
9 recurrences occur, by two years, that's going to be
10 the maximum number of recurrences, and that's the
11 endpoint. If you're going to look at it, then it
12 would be two years. I'm not sure based upon our
13 answers that it was safe and effective to start with,
14 that it's necessary.

15 DR. TALAMINI: Thank you. Dr. Lippert, do
16 you have thoughts?

17 DR. LIPPERT: I think he -- I was going to
18 say what he said about the efficacy. If you're going
19 to do it, it has to be two years, but I don't see the
20 point on efficacy. To me, the point of this post-
21 market -- post-approval would be safety and self-
22 reporting is not appropriate. I've been in too many
23 situations when something's not been right and
24 everybody's just too busy to make the phone call to
25 report it, and it doesn't get done. So I do think

1 that some safety is appropriate but not efficacy.
2 And a year for safety's fine.

3 But I have the same concerns that he does
4 about devices in a bigger population. I don't know
5 how to deal with that with post-approval study. I
6 wish there was a way to collect data that wasn't just
7 voluntary.

8 DR. TALAMINI: Dr. Donatucci, I'm still
9 struggling to hear a consensus, but we'll try and
10 hear from everybody and see what we've got.
11 Dr. Bhutani.

12 DR. BHUTANI: Well, regarding efficacy, I,
13 as a clinician, I would like to see a two-year data
14 in the U.S. population considering there are not U.S.
15 studies on this device, but I think given the
16 European data, it's not something that is necessarily
17 a mandate to the company to bear the cost to do it
18 but just it would be good to, since two year is the
19 cutoff where all the other studies have looked at
20 recurrence, it would be good to know that in the U.S.
21 population but since most recurrence happens in one
22 year, a one-year post-marketing study's planned
23 anyway for safety, at least looking at the recurrence
24 and the efficacy, at least at one year it would be I
25 think appropriate.

1 And as far as safety is concerned, I think
2 we should -- record all adverse events and it would
3 be worthwhile to compare that with the frequency of
4 adverse events in 101.1 in the European population to
5 at least, since we know that we feel the adverse
6 events in 101.1 were acceptable and minor and the
7 frequency was low enough, we would like to know, I
8 would like to know if that frequency is still low,
9 and also if there are more adverse effects early on
10 in the study during a period of training where
11 physicians are being trained to do this, and I heard
12 in the PAR presentation by the sponsor that there
13 will be training of physicians during the PAR, and I
14 think in my opinion, it would be very helpful for
15 physicians involved in PAR who are getting trained
16 and the ones who are training them, presumably they
17 will be the physician in Europe or Israel who are
18 doing this, to perhaps develop a threshold of minimum
19 number of procedures required to be -- feel
20 adequately competent which will be very useful for
21 the general community as they venture into this
22 device. And that's all I have to say.

23 DR. TALAMINI: So just one point I think of
24 clarification. An initial post-market study has been
25 talked about but what this Panel will have to decide

1 is whether the Panel feels they need to recommend
2 that as part of our recommending approval or not.
3 So, you know, that may or may not happen out there
4 but for our job today, we need to figure out whether
5 we think it's necessary or not. The discussion that
6 we're having now is over what the study would look
7 like if we did say it was necessary. So it's kind of
8 convoluted, but -- Dr. Connor.

9 DR. CONNOR: Thank you. For (a), regarding
10 a comparator, as I stated, I think the current idea
11 of no formal comparator is the best comparator. They
12 say all politics are local, but on a way, all
13 medicine is local, too. So, you know, a clinician
14 can see what the adverse event rate is published for,
15 you know, all the Americans who receive this device,
16 and they need to compare it to the alternative, and
17 the alternative is probably their alternative in
18 their practice in how they do whatever the particular
19 alternative might be for that patient. So I think
20 that's fair.

21 I also think it's fair though for those who
22 want to see other data, maybe if this is published in
23 a journal or somewhere else, that the European MMC
24 data be replicated there just in the table. That way
25 a clinician could. But I think no formal comparator

1 to me is the best comparator.

2 (b) regarding effectiveness, I think that
3 we voted nine to nothing that we thought this was
4 effective. So I think if (b) were concerned, we
5 shouldn't have voted the way we did.

6 DR. TALAMINI: We didn't vote yet. You
7 can't use that term.

8 DR. CONNOR: Nine of us indicated that we
9 thought, yes, whatever we did back then.

10 (c), I think one year is enough information
11 for adverse event data for me.

12 And (d). So I think to clarify something
13 you said earlier, the question isn't I think whether
14 we would or you would measure common versus rare
15 events. Here it was whether common versus rare
16 events had a different delta, and delta has gone away
17 assuming we're not using a formal comparator. So
18 you're still going to measure common versus rare
19 events. So that's less relevant.

20 My question or the big thing that hasn't
21 been brought up between the first proposed and your
22 more recent proposed post-approval study was the
23 sample size. I assume 211 was arrived at via power
24 calculation using these non-inferiority studies, and
25 the new proposal which I liked better, the sample

1 size is now 120, and I just wondered if there was any
2 justification and you don't have to answer this
3 because we haven't determined whether we even want to
4 recommend a post-approval study. But if that
5 happened, I would like to understand how that sample
6 size came about and whether that will be enough to
7 provide a precise estimate of adverse event rate
8 since that's the goal.

9 DR. TALAMINI: Thank you. Dr. Dahm,
10 further thoughts on this?

11 DR. DAHM: We need to focus on the things
12 that are still under discussion. So I would agree
13 with some of the other Panel members, that I would
14 like to see effectiveness data from the United
15 States. I think that would also be important for the
16 clinicians that are going to use it. I think it
17 would actually help the company with this, too, but
18 that as an aside, I would ask for two-year data, and
19 I would based that on the figure that would provide
20 it with regards to the natural history of patients
21 with bladder cancer that approximately 90 percent of
22 them will recur at two years. So I would choose that
23 as the timeframe.

24 To enter kind of a new thought, I think, I
25 would love to see subgroup data on effectiveness for

1 the intermediate versus the high-risk group. I don't
2 know whether that's something that we're interested
3 in discussing but I think that might be an
4 interesting focus of a post-approval study. We have
5 so few patients that I don't think the current
6 studies allow for that kind of analysis in an
7 appropriate way. But I think since these two groups
8 are prognostically different and the guidelines, you
9 know, differ in the management, it would be nice to
10 see how the device performs in each of those groups.

11 DR. TALAMINI: Thank you. So, Ms. Brogdon,
12 with respect to Question 3, if there were to be a
13 post-approval study recommended by the Panel, I don't
14 think I could give you a clear -- I don't think there
15 is a clear consensus and I therefore don't think I
16 can express one to you regarding what that study
17 should be with the exception that the Panel sounds
18 like they agree on looking at absolute frequencies of
19 events and that one year is adequate for adverse
20 events but I think you do have on record a wide
21 ranging discussion regarding the issue. Is that
22 adequate?

23 MS. BROGDON: Let me just ask Dr. Nilsa
24 Loyo-Berrios if the epidemiologists have any
25 questions about the lack of comparator.

1 DR. LOYO-BERRIOS: Yes. We do believe that
2 formal comparison is needed because it helps us put
3 the study results into context and perspective. Say
4 for example, the endpoint of interest is safety, is
5 the safety of this device better in reference to
6 what? Is it in reference to the standard of care or
7 to any other treatment available to these patients.
8 So we do believe a comparison is needed to help us
9 put the study results into context.

10 DR. TALAMINI: Dr. Connor.

11 DR. CONNOR: So just a clarifying question
12 for my own benefit. You and another FDA statistician
13 has mentioned standard of care as the comparator
14 here. That's usually a vague term. So if we
15 recommended that the comparator be standard of care,
16 is that something then that Medical Enterprises would
17 have to discuss with FDA to identify for each adverse
18 event how one estimates the standard of care rate
19 because I'm just not sure I understand what that
20 means.

21 DR. LOYO-BERRIOS: Well, whatever endpoint
22 we decide would be the main endpoint of the study,
23 then we will discuss with the company what would the
24 best comparator be.

25 DR. CONNOR: Okay. And since you say main

1 endpoint, does that mean that the study would have
2 one or two or just a few primary endpoints versus --

3 DR. LOYO-BERRIOS: Correct.

4 DR. CONNOR: -- I think what we were
5 wanting to see is a list of adverse events that may
6 have 15 or 20 but did provide information to
7 clinicians.

8 DR. LOYO-BERRIOS: Correct, one or two or
9 three endpoints, that would be the focus of the
10 hypothesis test.

11 DR. CONNOR: Okay. Thank you.

12 MS. BROGDON: I'm feeling a little bit
13 uncomfortable about this discussion because we are
14 not pushing the Panel to recommend anything in
15 particular, and I think it would -- I'd feel better
16 if the Panel could understand this discussion that
17 just happened as sort of a general discussion that
18 applies to any post-approval study that FDA ends up
19 requiring with a sponsor. We end up discussing
20 protocols with them and what the comparators would be
21 and so forth. So I don't want the Panel to take this
22 discussion to mean we are pushing you to recommend a
23 post-approval study.

24 DR. TALAMINI: Understood. Does any Panel
25 member have a question about that, Ms. Brogdon? Yes.

1 DR. BHUTANI: So I'm trying to understand
2 what this comparator means. You want to compare it
3 to standard of care and does that put the onus on the
4 sponsor to also conduct a trial with a standard of
5 care delivery and compare adverse events?
6 Otherwise -- well, I'll just stop here.

7 DR. LOYO-BERRIOS: That was just one
8 example. The comparator, they can come up with a
9 comparator. It could be historical controls. It
10 could be -- I don't want to give any more examples
11 because then you will think that I'm suggesting they
12 do that but it doesn't have to be -- we are open to
13 suggestions from the sponsor.

14 DR. BHUTANI: Okay. How about --

15 DR. TILLMAN: Hi, good afternoon. I'm
16 Donna-Bea Tillman. I'm the Director of the Office of
17 Device Evaluation, and I just wanted to, because the
18 Panel seems to be sort of struggling with this issue.
19 I just want to sort of put back into perspective why
20 we ask companies to do post-approval studies and how
21 that works. You've heard some conversations about
22 hypotheses.

23 What's going to happen in not too much
24 longer is you guys are going to make a vote, and
25 you're going to vote about whether you want to

1 recommend approval, approval with conditions or not
2 approval, and if you think you need a post-approval
3 study, then you're going to vote approvable with
4 conditions, and then we're going to ask you to tell
5 us what that post-approval study needs to look like.
6 So at some point in time, you're going to have to
7 come to some kind of consensus about this, if you do
8 end up going there.

9 When we ask you about post-approval
10 studies, what we need to know is what is the question
11 you're trying to answer with the post-approval study.
12 The statisticians and the epidemiologists sometimes
13 think of those as hypotheses but we do post-approval
14 studies for a reason. And so what we need to hear
15 from you is, if you determine that there is a
16 reasonable assurance of safety and effectiveness,
17 that's the first bar, and therefore the device can be
18 approved, are there additional questions that remain
19 regarding safety and effectiveness that you think can
20 and should be answered in the post-approval setting?
21 What are those questions? And then the statisticians
22 and the epidemiologists can help us put those
23 questions into more formal terms.

24 It sounds like from some of the discussion
25 I've heard that what you're saying is that maybe the

1 question is what are -- you'd like more precise
2 estimates of the adverse event rates to put in the
3 labeling so physicians can make informed choices
4 about how to treat their patients. So the question
5 there would be what are more precise estimates of the
6 adverse events rates in the U.S. population? That
7 would be a question that you might say that you would
8 like to see the post-approval study answer.

9 So what we'd like you to do instead of
10 getting too sort of tied up in knots about some of
11 these details is take a little bit of a step back and
12 say, if you do think that the device can be approved,
13 are there additional questions that you'd like to see
14 answered. And I think if we could start with the
15 questions and then get into the details, we'd be a
16 little better off. Anybody have any questions for me
17 about that?

18 DR. BHUTANI: Yes.

19 DR. TILLMAN: Yes.

20 DR. BHUTANI: So if I pose a question based
21 on what you said --

22 DR. TILLMAN: Uh-huh.

23 DR. BHUTANI: -- based on our earlier
24 discussions, based on the data from Europe, we feel
25 the device is sufficiently effective to be

1 potentially approved.

2 DR. TILLMAN: Okay.

3 DR. BHUTANI: And we're accepting the
4 European data, and we've also accepted at least in
5 our discussions that there is sufficient evidence of
6 the device being safe because of frequency of adverse
7 effects was minor and low enough to be of acceptable
8 risk/benefit ratio.

9 DR. TILLMAN: Okay.

10 DR. BHUTANI: So if I pose a question, I
11 don't want to compare it to BCG or anything because
12 right now safety profile appears to be, in relation
13 to BCG, be acceptable, that it is introduced in the
14 United States, and U.S. physicians perform it, does
15 the safety profile of that stay low enough and safe
16 enough? So my question would be after introduction
17 in the United States, was the safety profile of this
18 device similar to and not significantly worse than
19 the European data?

20 DR. TILLMAN: So you want to use the
21 previous study results as the comparator.

22 DR. BHUTANI: Because those were acceptable
23 to us as being safe.

24 DR. TILLMAN: Right.

25 DR. BHUTANI: So my question is I'm

1 introducing it to U.S. population. I want to make
2 sure we are not harming our patients.

3 DR. TILLMAN: So the question is, is it as
4 safe in the U.S. population as it was in the original
5 study?

6 DR. BHUTANI: Right.

7 DR. TILLMAN: I just think, and that's
8 certainly -- if that's the question the Panel wants
9 to ask, I think our statistical colleagues may say to
10 you that sometimes when you try to do comparisons
11 like that, you run into differences in patient
12 populations. So if you end up with 90 percent of
13 these patients being high-risk and 10 percent being
14 moderate risk, can you compare those data to the data
15 from the study? So that's a question that the Panel
16 would sort of need to discuss. But, yeah, that is a
17 question. The question is, is the adverse events
18 profile in the U.S. comparable to what we saw in the
19 study? If that's what the Panel thinks is a post-
20 approval study, then we turn to our statistical
21 colleagues to help us figure out how to answer that
22 question. Okay.

23 DR. TALAMINI: Okay. Onto Question 4,
24 unless there's more for Question 3. Ms. Brogdon?

25 MS. BROGDON: No, I think that's enough.

1 DR. TALAMINI: Okay. So Question 4,
2 Labeling and Training. The firm provides physician
3 and patient labeling for the Synergo system, as well
4 as the approved package insert for mitomycin C. A
5 physician training program is not proposed. If the
6 Synergo system is recommended for approval, with or
7 without conditions, please discuss whether the
8 information provided is adequate to assure the safe
9 and effective use of this combination product. If
10 not, what additional information should be included
11 in these labeling documents?

12 So let's see. Dr. Layton, would you like
13 to give your thoughts on that question?

14 DR. LAYTON: Yes, I'll start out on it.
15 First is we've received information relative to a
16 physician instruction --

17 DR. TALAMINI: Closer to the mic. I'm
18 sorry. They can't hear.

19 DR. LAYTON: I sat back too far. Sorry.
20 We've received information on a physician instruction
21 guide, a patient information guide, and the package
22 insert. I did not see a user manual which would be
23 the instructions for use for the physician. So I
24 have not seen that.

25 What I have seen, yes, is very good. They

1 have the information. They have what they need.
2 There was one instance brought up relative to shelf
3 life, and that would be on the package label. We
4 haven't seen the package label either relative to
5 this particular product, but it would be on there,
6 and because of the preclinical evaluation that was
7 done and they saw no problems with the preclinical
8 evaluation, I'm assuming they saw a proposed label.
9 They saw a proposed user manual, and FDA signed off
10 on it. So I see no issues with that, and I think
11 they all are now proposing the training the program.

12 DR. TALAMINI: So perhaps we could get
13 clarification on those two points. Is there a
14 training program now proposed and is there a user
15 manual? Did we have it and didn't find it or was it
16 part of the packet? Could the sponsor or the FDA
17 enlighten us on those two?

18 DR. O'DONNELL: There is a users manual,
19 and it was submitted. And we are proposing a
20 training program. There is one already used as a
21 model in Europe and Israel to teach physicians
22 whenever a new Synergo machine is brought online, and
23 something very similar in nature would be utilized in
24 the United States.

25 DR. TALAMINI: Thank you. So, Ms. Brogdon,

1 if I could ask an off line question, I believe that
2 could be a potential condition of approval, could it
3 not? If the Panel wanted to propose that, to have a
4 physician training program?

5 MS. BROGDON: Yes, that's an appropriate
6 condition of approval.

7 DR. TALAMINI: Ms. Stokes, do you have
8 thoughts?

9 MS. STOKES: Yes, I just wanted to make
10 sure that there was a training program to include the
11 mentoring, the on-site training as well as the
12 assessment of proficiency which I find to be very
13 important.

14 DR. TALAMINI: Thank you, Ms. Stokes.
15 Dr. Redman.

16 DR. REDMAN: Can the FDA mandate that a
17 urologist cannot buy this machine or use it or be
18 billed for the services without the certification
19 that a training program has been gone through and
20 passed?

21 DR. TALAMINI: Well, I would refer that to
22 Ms. Brogdon, but certainly with past products I've
23 been involved with, that was the case.

24 DR. TALAMINI: I'm not sure I have a
25 complete answer to your question. We can require

1 that a training program be put into place. We can't
2 require exactly what party offers that training. Can
3 you tell me the rest of your question again?

4 DR. REDMAN: Well, if -- I guess I'm more
5 of a market person. It behooves the sponsor to make
6 sure that the individuals who are using their machine
7 knows how to use it. Otherwise, they won't use it.
8 I guess the other side of that is do you have the
9 regulatory authority to say this is a new device, and
10 before you can bill Medicare for its use, the
11 physician has to be certified in its use? I mean is
12 there a regulatory -- I come from the drug side. So
13 I'm a medical oncologist. When FDA approves a drug,
14 I'm board certified in medical oncology, I get to use
15 that drug. Okay. I read about it and I learn how to
16 use it but this is a device. So I'm a little bit
17 different here. So can you require or do you require
18 or is it just that we're asking industry to do this
19 but it doesn't mean anything, I guess is --

20 MS. BROGDON: Let me ask some of my FDA
21 colleagues how clear our requirements and sanctions
22 are on this question.

23 DR. TILLMAN: This is a little bit of a
24 gray area, but I do have -- part of your answer I can
25 answer definitively. We don't get involved in

1 reimbursement. So we have no role to play in that.
2 I think Nancy said it correctly. That is, as a
3 condition of approval, we can require the company to
4 have a training program and we can also make the
5 device restricted which says that not only is it a
6 prescription device but it's also a device for which
7 people have to have been appropriately trained to use
8 it but it's somewhat of a vague thing, and Jerry
9 Predome (ph.) is knowledgeable about this. I don't
10 know if you've got anything to add, but it's more of
11 something that I think that we leave to the
12 discretion of frankly the clinical community than we
13 go out and rigorously enforce.

14 DR. REDMAN: If I could use an example, the
15 da Vinci Robotic System which I was a part of that
16 Panel, a training program was clearly mandated and it
17 would be very difficult to do an operation in this
18 country without having been trained on that device.

19 DR. TILLMAN: And so it's a company. The
20 company controls who gets the device. So the company
21 can say, come to our training program. If you don't
22 come to our training program, we won't give you the
23 device.

24 DR. REDMAN: That I understand. I'm from
25 the drug world and I go back to Group C in approvals

1 and things, the restricted use. Okay.

2 DR. BHUTANI: If I may just answer the
3 question a little bit that with devices, how things
4 work, you know, each hospital grants privileges for
5 particular procedures, and yearly like in
6 gastroenterology, new procedures come in and every
7 one or two years, there is sometime additions to the
8 list of procedures and the hospital credentialing
9 committee each sets their own standards about what is
10 the minimum requirement, 180 days or 25
11 polypectomies, and that is one of the reasons I
12 suggested that for physicians in the PAR study, if
13 they actually record data of the minimum number of
14 procedures required, and that gets published, then it
15 becomes very easy for hospitals to put that as the
16 minimum criteria for their physicians performing this
17 and if there is nothing published, then somebody may
18 have extensive training, but other guy may just go in
19 and take a 2-day, 48-hour course and say I'm
20 competent and the hospitals don't know any better
21 because they don't have any standards to hang on. So
22 it's up to the individual hospitals along with their
23 physicians as to what minimum criteria they set up
24 for granting privileges for a particular procedure.

25 DR. REDMAN: I understand now, and if the

1 question is addition to what they supply, do I
2 recommend a training program, yeah, because I think
3 industry would be nuts not to do a training program.

4 DR. TALAMINI: Thanks, Dr. Redman.
5 Dr. Kalota.

6 DR. KALOTA: First of all, this would more
7 than likely be done in the physician's office. So
8 therefore hospital accreditation is going to have
9 nothing whatsoever to do with it. In similar
10 situations, companies offer the training and it's up
11 to the urologist to do. What you do in your office
12 is really up to you, and if you want to be safe or
13 not. I believe they should have training. I don't
14 see that we can attach it to reimbursement. It's up
15 to the physician to take it but I do feel that there
16 should be training available. Particularly as an
17 individual, I hate computers. I hate anything
18 technology. So you've got to teach me and you've got
19 to teach me easily so I can follow it, and I'm not
20 the only one out there. My concern is not what
21 you've shown me on this data, but what an ignorant
22 urologist in the community is going to do with this
23 device, and a post-approval study is still going to
24 be done by physicians who are competent in computers,
25 who are used to doing research. What we need to know

1 is the individual urologist who is in Hicksville,
2 wherever, doing this and to have the company come and
3 teach them. At least that's a safer way of doing it.

4 DR. TALAMINI: Dr. Kalota, your opinion
5 about the current labeling as submitted, is it
6 adequate or does there need to be more?

7 DR. KALOTA: I think the labeling is fine,
8 but I think there does need to be training for those
9 who are willing to take advantage of it.

10 DR. TALAMINI: Thanks. Dr. Dahm?

11 DR. DAHM: I'm in agreement with everything
12 that Dr. Kalota said. I don't really have anything
13 to add.

14 DR. TALAMINI: So the information provided
15 is adequate?

16 DR. DAHM: Yeah, but there should be
17 training. We've heard that there is training
18 proposed and --

19 DR. TALAMINI: I keep coming back to the
20 information because that's the heart of the question.
21 I want to make sure that we address that.
22 Dr. Connor.

23 DR. CONNOR: I have no major concerns or no
24 concerns with labeling, and I think I'm most
25 comfortable deferring to my clinician colleagues

1 regarding training.

2 DR. TALAMINI: Thank you. Sir.

3 DR. BHUTANI: I have one comment. There is
4 something in the labeling regarding patients who are
5 not able to give feedback about pain which is a
6 safety mechanism, and I don't believe that it says
7 about, you know, there are patients who may be on
8 narcotics whose pain response may be blunted. I
9 don't know if that's scientifically something that
10 will decrease the safety of the device, but because
11 feedback for pain is needed, perhaps, you know,
12 patients may be on, you know, morphine or high dose
13 narcotics and that, you know, whether they stop it
14 for a week or something, so that they can have the
15 procedure safely may be something to look at.

16 DR. TALAMINI: So do you have concerns that
17 the current information doesn't address that
18 adequately?

19 DR. BHUTANI: Yes.

20 DR. TALAMINI: Do you have an opinion
21 regarding the training issue that's been discussed?

22 DR. BHUTANI: No, I think regarding the
23 training, I am relieved to know that there is going
24 to be a physician training program by the sponsor as
25 I would like to have that happen.

1 DR. TALAMINI: Well, again, it will be up
2 to us whether -- we will need to decide whether --

3 DR. BHUTANI: Sure.

4 DR. TALAMINI: -- that's a condition of our
5 recommendation, you know, we recommend that as a
6 condition or not.

7 DR. BHUTANI: Sure.

8 DR. TALAMINI: That's a line that we'll
9 have to decide whether we want to cross as a
10 committee.

11 DR. BHUTANI: Yeah, but at this point, I do
12 feel that it's important.

13 DR. TALAMINI: Okay. Thanks. Dr. Lippert.

14 DR. LIPPERT: I've read in detail the
15 patient information guide. It's excellent. I just
16 would make sure condition that physicians who train
17 on this do get a copy for patients because I work
18 with other devices that the only way I can get
19 information is go online and make copies of
20 something. This is actually very good but it has to
21 be available. Training should be required as part of
22 the approval.

23 DR. TALAMINI: Thank you. Dr. Donatucci.

24 DR. DONATUCCI: Yes. I'd just make one
25 suggested change in the black box. I would like to

1 see after the statement that Synergo and mitomycin C
2 treatment is clinically indicated in patients of
3 intermediate and high-risk, an additional comment
4 that states patients with grade 1 Ta disease, less
5 than three centimeters in size, which is low risk,
6 should not be treated. My fear is, of course, that
7 while we may know what intermediate risk is, not
8 everybody does.

9 DR. TALAMINI: Do other Panel members have
10 objections to that? Dr. Marcovich.

11 DR. MARCOVICH: I agree with what both of
12 my colleagues here just said.

13 DR. TALAMINI: Ms. Brogdon.

14 MS. BROGDON: Could I just ask
15 Dr. Donatucci, is your recommendation because of the
16 risk profile to those patients?

17 DR. DONATUCCI: It's just not necessary
18 basically, and my experience has been that when a
19 product is introduced, the indications get stretched,
20 and I think we know that that's a low risk
21 population. They don't need to be treated with
22 mitomycin C and this device.

23 MS. BROGDON: Thank you.

24 DR. TALAMINI: So, Ms. Brogdon, with
25 respect to Question 4, the Panel generally believes

1 that the information provided is adequate with a few
2 now well recorded issues that have been brought up.
3 The Panel also feels on the related issue of
4 training, that that is going to be an important
5 aspect of the disbursement of this device if you
6 will.

7 MS. BROGDON: Could I ask for a
8 clarification on the training? I realize you haven't
9 voted yet, but is the consensus that a training
10 program should be offered or a training program
11 should be in essence required by the company before a
12 device is sold.

13 DR. TALAMINI: The consensus that I heard
14 was required but again, we're not trying to avoid the
15 appearance of voting here. So, Dr. Donatucci,
16 comment?

17 DR. DONATUCCI: I didn't make a statement
18 about that but I actually would argue against
19 requiring it. From what I know so far, placing the
20 Foley catheter and connecting the machine seems to be
21 the extent of what you need to do here. So I don't
22 know that we need formal training. That's much
23 different than using a da Vinci.

24 DR. TALAMINI: Dr. Kalota, do you have an
25 opposing point of view?

1 DR. KALOTA: No, I think it should be
2 offered and for those who are comfortable. It may be
3 that when it shows up in my office and all the
4 details are there, I may feel comfortable but it
5 should be available to me and that was how I worded
6 it, that it should be available to those who want to
7 use it, the training.

8 DR. TALAMINI: Let's try and clarify this a
9 little bit. Do others have comments, and I don't
10 want to weigh in, but the difference here I think is
11 that this is a feedback loop mechanism with a
12 computer between the doctor and the device. So I
13 think that's what makes it a little different than
14 just putting a Foley catheter in, but do others have
15 opinions with respect to required versus offered?
16 Because again, in a little bit, we're going to have
17 to make some votes on this.

18 DR. BHUTANI: If I may say that if training
19 was not an issue, why in the PAR the American
20 urologists will be taking part in the PAR, proposed
21 that we will have a training program? That makes me
22 think that even the urologists who are interested in
23 this device, working with the company, feel that some
24 sort of training and orientation is required as they
25 propose in their PAR. So if that's the case, then

1 why it is not necessary for physicians in practice to
2 have, you know, initial training on the device and
3 rather than saying they can do if they choose so?
4 That's just how I feel about it.

5 DR. TALAMINI: Dr. Donatucci.

6 DR. DONATUCCI: Yeah. I just need a
7 clarification. When we vote required, what does that
8 mean for FDA? Because I recall a device that was
9 approved 15 years ago that all of us literally had to
10 get a certificate, and there was a lot of expense
11 involved in terms of for the company and also just
12 for our time. What happens when you require
13 training? What does that actually entail?

14 MS. BROGDON: It would mean that there
15 would be a written condition in the approval for the
16 sponsor that they must require a training program in
17 their distribution of the device. We wouldn't nail
18 it down completely but I think we would see that as
19 different from simply suggesting that a manufacturer
20 offer a discretionary training program. For
21 instance, a discretionary training program could be
22 dropped at some later date but if it were required as
23 a condition of approval, it couldn't be dropped
24 without FDA's approval.

25 DR. DONATUCCI: To me, this device seems to

1 be on par with microwave thermal therapy in terms of
2 the coupling, et cetera. And what are the standards
3 now through FDA for microwave thermal therapy?

4 MS. BROGDON: I'll have to ask a
5 representative from that branch. John Baxley.

6 DR. BAXLEY: There's training required for
7 all microwave thermal therapy systems.

8 DR. DONATUCCI: But what that is just
9 depends on -- you're not telling them what type of
10 training. It's just training.

11 DR. BAXLEY: Well, it gets reviewed in the
12 PMA, just to get a sense of the level of training.
13 We see an outline of the training program.

14 DR. DONATUCCI: Okay. Fine. I guess in my
15 own mind, because I was the one who objected to it.
16 I don't object to education. I just don't want to
17 make it burdensome because it's certainly something
18 someone can learn through mentorship or -- but to go
19 through formal -- when you say training, to me I have
20 to go to something formal before I can do this, as
21 opposed to having someone who's knowledgeable come in
22 and mentor me in my operating room or office for that
23 matter. So that's the part that I'm misunderstanding
24 perhaps.

25 DR. TALAMINI: Well, no, I think you are

1 understanding it because that's exactly what this
2 Panel will need to -- if we vote approval and we vote
3 that training is a condition of approval, that's what
4 will happen. I don't think it makes sense for the
5 Committee to vote to say that the company needs to
6 offer training because I don't know how you monitor,
7 mandate or, you know, that doesn't make sense to me.
8 So I think that's exactly the line that we're talking
9 about. Ms. Brogdon, am I correct on that?

10 MS. BROGDON: Yes, I believe you are.

11 DR. TALAMINI: Further discussion on
12 required versus --

13 DR. REDMAN: I still have a problem with
14 this requirement. How do you regulate that
15 requirement? I mean I agree with voluntary because I
16 can probably guarantee you, at least the urologists I
17 deal with, the vast majority of them that are going
18 to use this, are going to voluntarily undergo some
19 form of training, mentorship or other. So how do
20 you -- if you require it, how are you going to
21 oversee that requirement?

22 MS. BROGDON: We probably wouldn't oversee
23 it very well.

24 DR. REDMAN: Then why are we requiring it?
25 I mean are we going to make another statute that

1 can't be enforced?

2 DR. TALAMINI: Well -- Dr. Kalota.

3 DR. KALOTA: I don't think it should be
4 required. I think that it should be offered but it's
5 also very much a marketing item for the company. If
6 I use it and screw up, I'm not going to use it again.
7 If there's injury, I'm not going to use it again. If
8 it's not effective, I'm not going to use it again.

9 UNIDENTIFIED SPEAKER: And you're going to
10 tell everybody in your office.

11 DR. KALOTA: And I'm going to tell
12 everybody and all my colleagues. So recommending it
13 and making sure they have it available is to my
14 advantage. Them doing it is really to your
15 advantage. If I use technology once and it doesn't
16 work, that's the end of it. I won't try it again.

17 DR. TALAMINI: So again for clarification
18 from the FDA, I think you said that other microwave
19 ablation devices -- I shouldn't say other, that
20 microwave ablation devices do require training.

21 DR. BAXLEY: Well, the ones for BPH do.
22 I'm not going to generalize that just because it's
23 microwave, that it needs training but microwave
24 devices that treat BPH do require training.

25 DR. TALAMINI: Okay. I think that exhausts

1 the discussion on Question 4.

2 DR. MARCOVICH: I'm confused. Because if
3 you put a Foley catheter in front of me, I know what
4 to do with it. If you put a machine with a bunch of
5 buttons in front of me, maybe I can figure it out,
6 but I don't want to figure it out on my patient. On
7 the other hand, if the rep comes in to my first two
8 or three, once I do these and says, here's how you do
9 it, and then here's what you have to watch out for,
10 that to me is considered training and that's adequate
11 but as Dr. Donatucci says, I don't want to fly to San
12 Diego to take a course on this.

13 DR. TALAMINI: Sure you do.

14 DR. MARCOVICH: Well, I want to fly to San
15 Diego for another reason but the -- so I guess I want
16 to know what training means before I say yes or no
17 because I -- what's the -- it needs to be clarified
18 in my mind what training means. Is it the rep coming
19 into your office and telling you how to do it the
20 first few times and answering questions, which is
21 what's done for many other devices, or is it, you
22 know, taking a course and having a certificate, et
23 cetera.

24 DR. TALAMINI: Well, to me the difference
25 is mandated, and I think that's the key line that

1 we're talking about. I mean the device can't be used
2 without some kind of training if this is part of the
3 approval. Ms. Brogdon.

4 MS. BROGDON: Training can encompass all
5 the things you referred to. It can be mentoring in
6 the operating room. It can be a classroom. It can
7 be a wet lab. It can be animal studies. It can be
8 all animal testing or treatments. It can be anything
9 that you define it to be or anything the sponsor
10 proposes.

11 DR. TALAMINI: Dr. Dahm.

12 DR. DAHM: Yeah. Could we not ask at this
13 point what the sponsor is proposing? Maybe that will
14 give some guidance to this discussion?

15 DR. TALAMINI: We could but we still will
16 be left with the question of whether to mandate it or
17 not but mandate some kind of training. We certainly
18 could do that. Do the sponsors have a quick response
19 regarding their plans for training?

20 DR. WITJES: Well, since I'm the only one
21 who would have training, and I hate computers, it's
22 very easy and I had to go to Milan unfortunately to
23 have the training but it's an easy program.

24 DR. BHUTANI: So what I'm hearing is it's
25 not as easy as putting a Foley catheter. Otherwise,

1 you wouldn't have gone from The Netherlands to Milan
2 and personally saying it's as easy as a Foley
3 catheter, it should be optional to a urologist to get
4 training, and if there is injury, the urologist won't
5 use it. I have an ethical problem from a patient
6 perspective that if I have injury, then my urologist
7 won't use it on others but I'm already injured. So
8 from that standpoint, I think if we say training is
9 required, why can't we create some sort of assurance
10 from the company that before they put this device or
11 sell it to any physician, they will have a minimum
12 training program, orientation or as some of you
13 suggested, the rep will be there for a certain number
14 of procedures, for troubleshooting and so on, and I
15 think that would be a small price to pay for safety
16 of our patients and probably would insure that the
17 safety data that looks good in Europe continues to be
18 good for American patients.

19 DR. WITJES: Well, I think Dr. Kalota made
20 a very good point. If you have some training, which
21 it's not very difficult, but it's, of course,
22 essential to work with the machine, the doctor will
23 perform well, the patients will have good treatment
24 and, of course, the company will support that.

25 DR. TALAMINI: Very quickly.

1 DR. KOREN: Yes, I would just like to
2 comment, first of all, we do offer training programs,
3 but there is a question, you know, once the machine
4 is in the department, and you have a second
5 generation of physicians who are also coming to use
6 this device, and the question is whether they can
7 learn this from their senior colleagues and they do
8 not need the help of the company to come again and
9 give them the guidance. So this may be the
10 difference between required. We do offer it in
11 Europe today.

12 DR. TALAMINI: Okay. Thank you. So the
13 Panel members can think about all those issues, but
14 not talk about them to anybody while we take a 10-
15 minute break. It'll just have to be 10 minutes
16 because we still have the voting to do. So we'll
17 adjourn for 10 minutes.

18 (Off the record.)

19 (On the record.)

20 DR. TALAMINI: We will now resume with the
21 meeting.

22 I want to remind the speakers to follow the
23 disclosure recommendations as stated in the open
24 public hearing disclosure statement that was read
25 during the first open public hearing session. For

1 example, state your name, affiliation and indicate
2 your financial interest, if any, in the device being
3 discussed today or any other device.

4 Is there anyone in the audience who would
5 like to address the Panel now? If so, please raise
6 your hand and come forward.

7 (No response.)

8 DR. TALAMINI: Okay. Not seeing anyone,
9 we'll not proceed to the FDA and sponsor summations.

10 Is there any further comment or
11 clarification from the FDA?

12 MS. BROGDON: No, Dr. Talamini. Thank you.

13 DR. TALAMINI: Is there any further comment
14 or clarification from the sponsors? Please be brief,
15 if possible.

16 DR. GROSSMAN: The sponsor would like to
17 thank the Panel for a careful review.

18 DR. TALAMINI: Thank you, sir. That was
19 indeed brief.

20 We're now ready to vote on the Panel's
21 recommendation to FDA for this PMA. Dr. Cooper will
22 now read the Panel Recommendation Options for Pre-
23 market Approval Applications and I would encourage
24 all Panel members to listen very, very carefully.
25 Dr. Cooper.

1 DR. COOPER: The Medical Device Amendments
2 to the federal Food, Drug and Cosmetic Act, as
3 amended by the Safe Medical Devices Act of 1990,
4 allows the Food and Drug Administration to obtain a
5 recommendation from an expert advisory panel on
6 designated medical device pre-market approval
7 applications, PMAs, that are filed with the Agency.
8 The PMA must stand on its own merits, and your
9 recommendation must be supported by safety and
10 effectiveness data in the application or by
11 applicable publicly available information. The
12 definitions of safety, effectiveness and valid
13 scientific evidence are as follows. Don't stop me if
14 you've heard this before.

15 Safety as defined in 21 C.F.R. 860.7(d)(1),
16 there is reasonable assurance that a device is safe
17 when it can be determined, based upon valid
18 scientific evidence, that the probably benefits to
19 health from use of the device for its intended uses
20 and conditions of use, when accompanied by adequate
21 directions and warnings against unsafe use, outweigh
22 any probably risks.

23 Effectiveness as defined in 21 C.F.R.
24 860.7(e)(1), there is reasonable assurance that a
25 device is effective when it can be determined, based

1 upon valid scientific evidence, that in a sign
2 portion of the target population, the use of the
3 device for its intended uses and conditions of use,
4 when accompanied by adequate directions for use and
5 warnings against unsafe use, will provide clinically
6 significant results.

7 Valid scientific evidence as defined in 21
8 C.F.R. 860.7(c)(2) is evidence from well-controlled
9 investigations, partially controlled studies, studies
10 and objective trials without matched controls, well-
11 documented case histories conducted by qualified
12 experts, and reports of significant human experience
13 with a marketed device, from which it can fairly and
14 responsibly be concluded by qualified experts that
15 there is reasonable assurance of safety and
16 effectiveness of the device under its conditions of
17 use. Isolated case reports, random experience,
18 reports lacking sufficient details to permit
19 scientific evaluation, and unsubstantiated opinions
20 are not regarded as valid scientific evidence to show
21 safety or effectiveness.

22 Your recommendation options for the vote
23 are as follows:

24 One, approval, if there are no conditions
25 attached.

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1 Two, approvable with conditions. The Panel
2 may recommend that the PMA be found approvable
3 subject to specified conditions such as physician or
4 patient education, labeling changes or further
5 analysis of existing data. Prior to voting, all of
6 the conditions should be discussed by the Panel.

7 Third is not approvable. The Panel may
8 recommend that the PMA is not approvable if the data
9 do not provide a reasonable assurance that the device
10 is safe, or the data do not provide a reasonable
11 assurance that the device is effective under the
12 conditions of use prescribed, recommended or
13 suggested in the proposed labeling.

14 Following the voting, Dr. Talamini will ask
15 each Panel member to present a brief statement
16 outlining the reasons for his or her vote.

17 Dr. Talamini.

18 DR. TALAMINI: Are there clarification or
19 questions from the Panel about these voting options
20 before we look for a motion?

21 (No response.)

22 DR. TALAMINI: So it's clear, it's either
23 approval and there aren't any conditions, it's
24 disapproval, or it's approval and there are
25 conditions. And if it's approval and there are

1 conditions, then we need to one by one go through
2 those conditions. So it's sort of a three trees as
3 up here.

4 So can we entertain a motion from a voting
5 Panel member? Dr. Donatucci.

6 DR. DONATUCCI: I vote that we approve with
7 conditions, the condition being that labeling change
8 that I recommended and that training be required.

9 DR. TALAMINI: So as I understand it, and
10 I'll have to be kept in line by the FDA, what we
11 simply do is have -- we have a motion on the table
12 for approvable with conditions. We'll need a second
13 for that motion, and if we get that second, then
14 we'll need to discuss what those possible conditions
15 may be and amend the motion one by one with those
16 conditions. So we would be looking for a second to
17 Dr. Donatucci's motion of approvable with conditions.
18 Dr. Kalota.

19 DR. KALOTA: I second that.

20 DR. TALAMINI: Okay. So we have a motion
21 made and seconded for approval with conditions. Now,
22 we need to entertain a discussion regarding the
23 conditions or we need to have a motion regarding each
24 condition. We need to second that, discuss it and
25 then add that to the main motion. So if I could

1 entertain a motion for a condition. Dr. Donatucci.

2 DR. DONATUCCI: Okay. I move that we
3 approve with the condition that the label include
4 reference to non-treatment of Ta grade 1 tumors, that
5 in addition to the labeling.

6 DR. TALAMINI: All right. Do I hear a
7 second to a condition that the labeling be changed as
8 stated by Dr. Donatucci?

9 DR. KALOTA: Not a second. I have a
10 clarification. Single --

11 DR. TALAMINI: No, we just have to second
12 that or not before we discuss it because if we don't
13 like it we can do it again, but we need a second or
14 not. Do I hear a second for Dr. Donatucci's
15 stated --

16 DR. DAHM: I second that.

17 DR. TALAMINI: Okay. Dr. Dahm. So
18 Dr. Dahm second's that motion. So that's now on the
19 table for discussion. Dr. Kalota.

20 DR. KALOTA: Is that a single site,
21 multiple site?

22 DR. DONATUCCI: It's the definition of low
23 risk that was presented earlier today which I believe
24 was defined as Ta grade 1, less than 3 centimeters.

25 DR. TALAMINI: Further discussion.

1 DR. DONATUCCI: Single.

2 DR. KALOTA: Okay. That was my question.

3 DR. DONATUCCI: Single.

4 DR. KALOTA: Single. Okay.

5 DR. TALAMINI: Further discussion for that
6 condition from the Panel?

7 (No response.)

8 DR. TALAMINI: Okay. So that's been made
9 and seconded and discussed. Is there another motion
10 for a condition, and again you need to help me make
11 sure this is right, Ms. Brogdon.

12 MS. BROGDON: I believe you need to vote on
13 this condition and whether it should be added to the
14 motion or not.

15 DR. TALAMINI: Okay. That -- we don't have
16 that on our yellow tree but okay. Now, do we have to
17 also -- per each vote, do each Panel member need to
18 explain their vote for each condition or not? No.
19 Just for the main motion.

20 MS. BROGDON: Correct.

21 DR. TALAMINI: Okay. So does somebody have
22 the official language of Dr. Donatucci's condition or
23 can you state it precisely again, Dr. Donatucci.

24 DR. DONATUCCI: My motion is that we add a
25 clause after -- at the end of the black box, instead

1 of a period, after intermediate and high-risk, there
2 will be a semicolon that says, patients with low risk
3 disease defined as Ta grade 1, single focus, less
4 than 3 centimeters not be treated.

5 DR. TALAMINI: All right. So we will need
6 the voting Panel members to vote on that motion.
7 It's been discussed. All those who vote in the
8 affirmative, please raise their hands.

9 DR. CONNOR: Can we --

10 DR. TALAMINI: We already discussed it.

11 DR. CONNOR: It's a procedural matter.

12 DR. TALAMINI: Let's do the vote then.

13 DR. CONNOR: That's what it's about.

14 DR. TALAMINI: Okay. What's the question?
15 Procedural question.

16 DR. CONNOR: My procedural question is
17 something that I perceive as strictly clinical or
18 maybe my opinion. I know less about it. Is there a
19 present or --

20 DR. TALAMINI: You may abstain.

21 DR. CONNOR: Okay.

22 DR. TALAMINI: You main abstain, yes.

23 Those not in favor? Abstentions? Okay. So I need
24 to state the names. Will the yeses raise their hands
25 again please? Dr. Marcovich is a yes. Dr. Donatucci

1 is a yes. Dr. Lippert is a yes. Dr. Dahm is a yes.
2 Dr. Kalota is a yes. Dr. Redman is a yes.

3 And those not in favor?

4 (No response.)

5 DR. TALAMINI: Those abstaining, if you
6 could raise your hands? So that would be Dr. Connor
7 and Dr. Bhutani.

8 Okay. So that condition then gets added to
9 the main approval with conditions motion that's on
10 the floor. Other conditions?

11 DR. BHUTANI: I'd like to introduce a
12 motion that in the labeling in the contraindications
13 which is number 3 in the labeling, and I'm going to
14 read it, because the patient's ability to detect pain
15 is an essential safety mechanism, Synergo treatment
16 is contraindicated in patients whose pain response
17 has been significant decreased by any means (previous
18 surgery or ionizing radiation therapy, general
19 anesthetic or other condition) and between anesthetic
20 and other condition, use a narcotic pain medications
21 be added, as that would blunt a patient's ability to
22 detect pain.

23 DR. TALAMINI: Do I hear a second?

24 (No response.)

25 DR. TALAMINI: Not hearing a second, is

1 there a further -- so that motion would go down in
2 defeat for not having a second. Is there a new
3 motion related to that. Dr. Donatucci.

4 DR. DONATUCCI: I would just add that --

5 DR. TALAMINI: Are you making a motion?

6 DR. DONATUCCI: Yeah, I would add basically
7 the word narcotics -- how did you state it please?

8 DR. BHUTANI: Or general anesthetic or
9 narcotic pain --

10 DR. TALAMINI: I guess my recommendation
11 would be to watch the specificity and stick with the
12 theme. I'm not -- I can't make the motion but in
13 making these motions, I probably need to think
14 carefully about the specificity issues.

15 DR. DONATUCCI: I move we further qualify
16 it by saying chronic narcotic therapy.

17 DR. BHUTANI: I second that.

18 DR. TALAMINI: Discussion regarding that
19 condition?

20 DR. DONATUCCI: We're open for discussion
21 now. The reason I say that, of course, is that not
22 knowing what the -- not having treated a patient, not
23 knowing what the pain threshold in the office would
24 be for treatment with heat, you're going to need to
25 provide some sort of sedation/analgesia I believe and

1 therefore if we preclude all narcotics, we've just
2 essentially eliminated our ability to do that in the
3 patients.

4 DR. TALAMINI: Dr. Kalota.

5 DR. KALOTA: I actually disagree
6 completely. Someone who is on chronic narcotic is
7 still going to be able to sense pain. If you're
8 going to treat them at the time, to cover up their
9 pain, then that's different but people who are on
10 chronic narcotic actually usually have a lower pain
11 threshold and are more likely to complain.

12 DR. TALAMINI: Might I suggest that, and
13 again we have a motion on the table that we're going
14 to vote on, that we consider -- the problem with this
15 is the specificity. It may be better to ask that the
16 labeling refer to this issue of narcotic pain during
17 treatment rather than specifically mandate or
18 contraindicate it. Does that make sense? Other
19 discussion on this motion?

20 (No response.)

21 DR. TALAMINI: Okay. So that specific
22 motion is on the table. Dr. Donatucci, you want to
23 state it again for us?

24 DR. DONATUCCI: The word was we were going
25 to add chronic narcotic --

1 DR. TALAMINI: Okay.

2 DR. DONATUCCI: -- as to the precaution.

3 DR. TALAMINI: Okay. So a motion's been
4 made and seconded and discussed. All those in favor
5 of that motion as the additional condition, raise
6 your hand? Those opposed. We have Dr. Redman
7 opposed, Dr. Kalota opposed, Dr. Lippert opposed,
8 Dr. Donatucci opposed, Dr. Marcovich opposed. Do we
9 have abstentions? Dr. Connor abstained. Dr. Dahm
10 abstained. So I believe that goes down to defeat.
11 Am I correct, Ms. Brogdon? I believe that goes
12 down --

13 MS. BROGDON: Yes, I believe so.

14 DR. TALAMINI: Okay. So do we have a new
15 motion to be entertained? Dr. Donatucci.

16 DR. DONATUCCI: My move is that we -- well,
17 I'm not sure how to handle as you just suggested in a
18 motion. I'm looking at you, Mark, because you're the
19 one that made the suggestion.

20 DR. TALAMINI: I can't make a motion.

21 DR. DONATUCCI: We'll just need an
22 explanation frankly.

23 DR. TALAMINI: Well, my suggestion was that
24 the real issue is this device being used in patients
25 that are narcotized, and that if we simply -- that we

1 just have the labeling refer to that as an issue,
2 that might be adequate for the Panel, but again, I'm
3 not making a motion.

4 DR. DONATUCCI: I'll make the motion. I
5 move that the labeling refer in precautions to a
6 narcotized patient who may not be able to sense pain
7 appropriately.

8 DR. TALAMINI: Do we have a second?
9 Dr. Kalota. Discussion of that condition?
10 Discussion, Dr. Redman.

11 DR. REDMAN: I don't think there's any
12 medical definition of a narcotized patient.

13 DR. TALAMINI: Well, this motion isn't
14 mandating that in the language. It's merely saying
15 that it be the topic. Is that right?

16 DR. DONATUCCI: The motion as I think I
17 suggested it was that in the precautions,
18 consideration would be given to the state -- let me
19 rephrase that.

20 DR. KALOTA: Medically induced decreased
21 pain sensation.

22 DR. TALAMINI: So we've got a motion on the
23 table. It's been discussed. Further discussion?

24 (No response.)

25 DR. TALAMINI: So let's ask -- yeah,

1 Dr. Lippert.

2 DR. LIPPERT: So this is already in the
3 labeling a contraindication. So what is it that
4 we're doing?

5 DR. BHUTANI: It's not in the
6 contraindications. It says in the contraindications,
7 because a patient's ability to detect pain is an
8 essential safety mechanism and it gives -- it's
9 contraindications for pain response has been
10 significantly decreased by any means.

11 DR. LIPPERT: But isn't that enough?

12 DR. BHUTANI: Previous surgery, ionized
13 radiation, generalized anesthetic or other condition.

14 DR. LIPPERT: Which says it all.

15 DR. BHUTANI: But I think -- yeah. I think
16 Dr. Donatucci's motion is instead of putting it as a
17 contraindication in the precaution section, we just
18 list that in patients who are on narcotic pain
19 medicine, care should be -- some sort of wording
20 about taking that into consideration. Is that
21 correct?

22 DR. DONATUCCI: That's correct.

23 DR. BHUTANI: It's not a contraindication
24 but it's a precaution to the physician to be aware of
25 this issue when he or she decides to stop chronic

1 medicine or whatever their judgment is regarding
2 that.

3 DR. TALAMINI: Okay. So the motion on the
4 table again, Dr. Donatucci, is --

5 DR. DONATUCCI: That reference be made in
6 the precautions to the possibility that narcotics
7 decrease the sensation and therefore may impact the
8 ability -- the safety issues.

9 DR. TALAMINI: Okay.

10 DR. DONATUCCI: I'm not a writer. So I'm
11 not going to give you the exact wording.

12 DR. TALAMINI: All right. Those in favor
13 of adding that requirement to the labeling?
14 Ms. Brogdon, you're uncomfortable.

15 MS. BROGDON: Sometime we're going to ask
16 you to put that into words. You don't have to do it
17 at this moment, but I think we're going to want some
18 fairly clear direction on that.

19 DR. TALAMINI: Okay. Fair enough.

20 DR. DONATUCCI: Chair?

21 DR. TALAMINI: Yes, sir.

22 DR. DONATUCCI: Can I withdraw my motion?

23 DR. TALAMINI: I think once it's been made
24 and seconded, it has to be voted upon.

25 DR. DONATUCCI: Okay.

1 DR. TALAMINI: You certainly can vote
2 against it. All right. Those in favor of the
3 motion? Those opposed? I'm sorry. We had one in
4 favor. Dr. Bhutani. Those opposed? We have
5 Dr. Marcovich, Dr. Donatucci, Dr. Lippert,
6 Dr. Connor, Dr. Dahm, Dr. Kalota, Dr. Redman. So the
7 motion goes down to defeat.

8 So now that we've practiced with Robert's
9 Rules of Order, it's time for somebody to think about
10 a motion for some of these bigger issues that are
11 lurking in your minds. Dr. Kalota.

12 DR. KALOTA: I propose that there is
13 training by the company.

14 DR. TALAMINI: Can you put that into motion
15 language for us? And I think specifically as we've
16 discussed, we have to have a motion that either
17 mandates or doesn't mandate training.

18 DR. KALOTA: My motion would be that the
19 company offers training. Or if we mandate training,
20 then we're back to what does that mean? I don't
21 think we should have to be sent to San Diego even if
22 we want to but the rep coming in is fine with me.
23 So --

24 DR. MARCOVICH: My understand is --

25 DR. KALOTA: Or colleague training is fine.

1 DR. MARCOVICH: -- if we mandate the
2 training, we don't necessarily mandate what the
3 training is.

4 DR. TALAMINI: So actually procedurally
5 again I can't make a motion but I believe the
6 cleanest way to approach this would be if somebody
7 could make a motion that proposed mandated training.
8 That would allow us to fully discuss it and either
9 approve it that way or not, and if not, then think
10 about something else. Again, I can't make the motion
11 but I think that's the cleanest way to deal with it.

12 DR. KALOTA: Then the motion is to mandate
13 training.

14 DR. TALAMINI: Okay. So we have a motion
15 on the table that the sponsor mandate training for
16 this device.

17 DR. MARCOVICH: I second that motion.

18 DR. TALAMINI: Okay. Discussion other than
19 that which we've already had? I guess my question
20 for discussion would be how the details of that
21 training would be worked out?

22 DR. CONNOR: So can I ask a question?

23 DR. TALAMINI: Yes.

24 DR. CONNOR: I wanted to clarify that this
25 mandate is mandating that training is offered but not

1 requiring a clinician receive training.

2 DR. TALAMINI: I believe the motion on the
3 table is that it be required. Mandated to me means
4 that that's a condition of approval that physicians
5 be trained on the device. Dr. Lippert.

6 DR. LIPPERT: As was pointed out to us that
7 training could be a mentor in your group who already
8 knows how to do it. So that training could take any
9 form but it's mandated. So I have a senior partner
10 who knows how to do it, has been doing it, that
11 person can teach me. (Trouble with mic.)

12 DR. TALAMINI: Did everybody hear that,
13 first of all? Tap on it and make sure it's working.
14 Just give it a tap. We have too many mics on.
15 Everybody else turn --

16 DR. LIPPERT: Can you hear me now? My
17 understanding is that training can be my senior
18 partner who has been doing this for sometime could
19 teach me, a mentor or it could be that I'm trained by
20 the company personnel. We're mandating training but
21 my understanding was it could be any form.

22 DR. TALAMINI: So not included in the
23 motion was how that training could be worked out but
24 potentially it could be that the details of the
25 training be determined by the FDA with the sponsor.

1 DR. BHUTANI: What I would suggest is that,
2 yes, a mentor, a physician performing this could
3 teach his or her partner but when a new device is
4 introduced, the initial physicians who are going to
5 be using it will need -- preferably should have some
6 sort of training. So perhaps we could mandate a
7 requirement to the company that when they install a
8 new device in an office or a hospital, where that
9 device doesn't exist, that whoever at the time
10 intends to use it, they will provide some sort of
11 orientation and training, not necessarily that any
12 physician ever in that facility who is going to use
13 it be required, whenever they install or sell a new
14 device, that presumably whoever is there hasn't used
15 it. They don't have it, and at the time of initial
16 installation or --

17 DR. TALAMINI: So I guess I'll take the
18 privilege of the Chair to say that whereas this Panel
19 is expert on issues of urology and GI, we probably
20 are not experts on issues of competency and training.
21 So I think it's probably up to us to figure out
22 whether we believe training should be mandated or not
23 but to have the details be worked out by experts who
24 do understand those issues. I say that humbly and
25 carefully, but I think that's probably true.

1 Dr. Donatucci.

2 DR. DONATUCCI: Since I originally brought
3 up the fact that I was against it, I'm not for it,
4 and I'll tell you why. Once I was told that actually
5 FDA does require training for microwave thermal
6 therapy, I'm comfortable, since I went through that,
7 that the training is not overly intrusive, and I
8 think contrary to a prior experience, I think I
9 believe that FDA has the good sense and the common
10 sense and the expertise to make it, require it, to do
11 it right, not make it burdensome. So I'm comfortable
12 with the requirement and leaving it to them to figure
13 out how.

14 DR. TALAMINI: Further discussion?
15 Ms. Brogdon, did you have a comment?

16 MS. BROGDON: I just want to make sure that
17 I understand that this condition would be that the
18 sponsor design and set up a training program, and
19 that would be the condition of approval, and then we
20 would work off line with the sponsor to work out the
21 details of that. Is that correct?

22 DR. TALAMINI: That wasn't specifically
23 stated in the motion but I certainly comfortable with
24 that. I don't think we probably need to go back and
25 redo the motion for that detail. Other discussion?

1 Dr. Dahm.

2 DR. DAHM: No.

3 DR. TALAMINI: Further discussion on this
4 condition? If not, we'll go ahead and call the
5 question, those in favor of adding this condition to
6 the main motion, please raise your hand.

7 DR. REDMAN: Can you read the motion? I'm
8 still not sure what it is?

9 DR. TALAMINI: To the best of my
10 recollection, as it now stands, it's that as a
11 condition of approval, the company be required to
12 provide a training program, a mandated training
13 program.

14 DR. REDMAN: Required to provide.

15 DR. TALAMINI: No, that it be required for
16 use with -- I mean we didn't redo the motion. I
17 supposed we could if we wanted to be completely
18 clean, but what Ms. Brogdon clarified was that this
19 was a training program to be developed by the company
20 in conjunction with the FDA.

21 DR. REDMAN: And that what is being
22 required is not only the development of that program
23 but that that program be utilized before a
24 physician -- so both. There's two mandates. One,
25 the development of a program, and one that it be

1 required to be administered --

2 DR. TALAMINI: Correct.

3 DR. REDMAN: -- for lack of a better word.

4 DR. TALAMINI: Correct. Okay. Those in
5 favor? We have Dr. Marcovich in favor, Dr. Donatucci
6 in favor, Dr. Lippert in favor, Dr. Bhutani in favor,
7 Dr. Dahm in favor, and Dr. Kalota in favor.

8 Those opposed? Dr. Redman is opposed.
9 Dr. Connor is opposed.

10 Do we have any abstentions?

11 (No response.)

12 DR. TALAMINI: So that motion carries.
13 Further conditions? Dr. Redman.

14 DR. REDMAN: I'll bite the bullet. That
15 there be a post-approval study as currently
16 outlined --

17 DR. TALAMINI: I know you're going to be
18 very careful with this motion.

19 DR. REDMAN: -- by the sponsor -- I lost my
20 page -- as currently proposed by the sponsor in their
21 presentation, which I don't have exactly, to assess
22 the safety profile of -- only the safety profile and
23 that for one-year follow-up which is what they're
24 proposing to do. That didn't come out very clean.

25 DR. TALAMINI: Want to give it another shot

1 before we put it in stone?

2 DR. REDMAN: Yeah. That the -- I guess the
3 easiest thing would be the post-approval study as
4 outlined by the sponsor in their presentation, that's
5 not what they initially recommended, but what they
6 presented in their presentation today, be part of the
7 approval process. I don't think I need to go through
8 bit by bit their proposal.

9 DR. TALAMINI: Do we have a second?

10 DR. KALOTA: Second.

11 DR. TALAMINI: Dr. Kalota seconds the
12 motion. Discussion? Dr. Dahm.

13 DR. DAHM: I think the timeframe to look at
14 it should be two years rather than one year.

15 DR. TALAMINI: So the motion doesn't state
16 specifically other than as proposed by the sponsor.
17 But your recommendation, your discussion point is
18 that you believe it should be two years?

19 DR. DAHM: I think the sponsor's proposing
20 the one-year time horizon but I was thinking maybe
21 somebody could --

22 DR. TALAMINI: There are heads nodding but
23 I think it would be best if you gave -- are they
24 allowed to give a formal answer at this point to a
25 question?

1 MS. BROGDON: I believe so.

2 DR. TALAMINI: Okay. If you could formally
3 tell us.

4 DR. DAHM: So the objective of the PAS was
5 to provide data on safety, and on that basis, we
6 propose a one-year program follow-up specifically for
7 the safety elements, realizing we would also be
8 collecting data on the effectiveness but it was not
9 the primary objective of the PAS.

10 DR. TALAMINI: Okay. Dr. Connor.

11 DR. CONNOR: May I ask, Doctor, that given
12 the motion was for, to better understand the safety
13 profile, your rationale for asking that that be
14 extended to two years?

15 DR. DAHM: I guess my next discussion point
16 would have been that I also would like to get
17 additional data on effectiveness and the issue I had
18 mentioned before that I'd be concerned of is the
19 performance of the agent in the intermediate versus
20 the high-risk group. So I don't think the study
21 should only look at safety. It should also look at
22 effectiveness.

23 DR. TALAMINI: So you're actually
24 speaking -- you're not speaking in favor of the
25 motion as stated?

1 DR. DAHM: I guess not.

2 DR. TALAMINI: Okay. Other discussion?
3 Dr. Connor.

4 DR. CONNOR: The easiest way for us to
5 handle this, there was a motion regarding adverse
6 event data and the safety profile. Should we be
7 considering that and then we should separately
8 consider efficacy. That way we're not trying to
9 build one huge thing that we all have differing
10 opinions of or identifying individual components that
11 we think are important.

12 DR. TALAMINI: That sounds like a great
13 strategy. Other discussion regarding this motion on
14 the table for this post-market study?

15 DR. REDMAN: Will we be requiring two
16 studies then if we get two different --

17 DR. TALAMINI: We might be requiring two
18 studies but the second motion, if it arises, could
19 propose that they actually be one study with a second
20 element. Further discussion? Dr. Connor.

21 DR. CONNOR: My only comment is I guess I
22 would leave open -- I think that the motion would
23 entail the 120 sample size and I would recommend that
24 the sample size be left open such that the FDA with
25 input from the sponsor could arrive at the sample

1 size that answers the scientific question. I think
2 we should be recommending what our scientific
3 question is and let the experts at FDA identify the
4 sample size necessary. We're saying one year is
5 enough. The one year goes to the scientific question
6 but sample size is implicit in the motion. We have
7 no idea if that answers the scientific question or
8 not. So I think we should leave that to FDA to work
9 out with the sponsor.

10 DR. TALAMINI: Well, thankfully,
11 Dr. Connor, all of what we do here today are
12 officially recommendations. So the FDA can take our
13 recommendations or not.

14 Further discussion?

15 DR. DAHM: Let's say one year. Does that
16 mean one year from the day of approval that that
17 clock starts ticking and 365 days later we stop
18 looking? Because that doesn't make sense.

19 DR. REDMAN: It's an additional -- well, my
20 interpretation, it's an additional study that the one
21 year is from -- they start treatment, each patient is
22 followed for a year as outlined here.

23 DR. TALAMINI: Ms. Brogdon, did you have a
24 comment?

25 MS. BROGDON: No, Dr. Redman's description

1 is correct.

2 DR. TALAMINI: Further discussion on this
3 condition?

4 DR. REDMAN: So the current motion is that
5 there be a safety study and that the safety study
6 have a timeframe, a time horizon of one year of
7 follow-up. Is that --

8 DR. TALAMINI: Right. That would be and
9 again, this is all framed within this Panel's
10 recommendation.

11 DR. REDMAN: Right.

12 DR. TALAMINI: Okay. So let's call that
13 question, those in favor of the study motion that
14 Dr. Redman proposed, those affirmative, please raise
15 your hand? Dr. Marcovich is affirmative.
16 Dr. Donatucci is affirmative. Dr. Lippert is
17 affirmative. Dr. Bhutani is affirmative. Dr. Connor
18 is affirmative. Dr. Dahm is affirmative. Dr. Kalota
19 is affirmative, and Dr. Redman is affirmative. So
20 that motion carries.

21 Do we have another condition motion to be
22 entertained? Dr. Dahm.

23 DR. DAHM: So I make the motion that there
24 be a study that provide additional information on the
25 effectiveness that has a two-year time horizon and

1 that looks at the -- let me leave it at that.

2 DR. TALAMINI: And not to mess with your
3 motion, but would that necessarily need to be a
4 separate study or could it be part of this study or
5 an extension of this study?

6 DR. DAHM: It could be an extension of the
7 study.

8 DR. TALAMINI: Okay. Do we have a second
9 for that motion? Looking for a second.

10 DR. DONATUCCI: Second.

11 DR. TALAMINI: Dr. Donatucci seconds the
12 question so it's open for discussion. Further
13 discussion on this extension of the study.

14 DR. DONATUCCI: Since I seconded it, I'll
15 just quality that. We have previously stated that
16 we're comfortable, despite the issues with the
17 pivotal trial, that the efficacy data was
18 satisfactory, that the change was between therapy
19 and -- was satisfactory to make it approvable. In a
20 post-market study, I just need some clarification,
21 Phillip on your thoughts, what you want to see
22 between the intermediate and high-risk group
23 differentially. Can you expand upon that?

24 DR. DAHM: I guess I'm concerned -- this is
25 a delicate balancing act because as you say, we've

1 kind of decided that we have reasonable assurance of
2 efficacy but when you look into the individual
3 subgroups and I'm particularly worried about the
4 high-risk patients, I think we have less -- it would
5 be fair to say that we have less assurance of
6 efficacy. So -- and there we have -- and also
7 current guidelines recommend for the high-risk
8 patients recommends BCG and cystostomy as the
9 "standard" of care. And in our study, we compared in
10 the pivotal trial that we reviewed here, the
11 comparator was mitomycin which is not what is
12 primarily recommended for these patients. So as I
13 think about this further, I think I would -- so this
14 post-marketing study should specifically look at
15 those patients in my opinion.

16 DR. TALAMINI: I think a further potential
17 argument for an ongoing effectiveness study is this
18 European versus American issue. I don't know how
19 important that is but certainly there would be those
20 who would say it's important to look again in the
21 American population.

22 Further discussion? Dr. Kalota.

23 DR. KALOTA: If we request this, how
24 specific do we have to be? I refer to the questions
25 brought up by Dr. Redman, and are you going to

1 mandate how many people of a certain type of cancer
2 in it to get the answers that you want?

3 DR. DAHM: So what -- similarly to what
4 Dr. Connor brought up for the previous discussion, I
5 don't think we'll be able to arrive at the details of
6 this study here at this Panel meeting. So I think
7 things like sample size and those kind of things
8 would have to be discussed separately. So I don't
9 think we can provide those details.

10 DR. TALAMINI: But your motion is that it
11 be an effectiveness study. Am I correct?

12 DR. DAHM: Yes.

13 DR. TALAMINI: Further discussion on the
14 motion?

15 DR. BHUTANI: Let me understand this
16 correctly. The sponsor has already stated that in
17 their PAS proposed, even though their one-year study
18 is based to look at safety, they will be looking at
19 efficacy. So that's at least as proposed a minimum
20 on the table, one-year safety and efficacy and what
21 you are proposing is those same group of patients be
22 followed for up to another year so that efficacy of
23 two year be then determined. Is that what your
24 motion is?

25 DR. DAHM: I guess that deserves specific

1 considerations in the trial design if we're going to
2 look at effectiveness. So it can be the same trial,
3 can be the same study, but we'd have to plan it
4 accordingly if that is information we'd like to
5 derive from the study.

6 DR. LIPPERT: If your concern is only the
7 high-risk group, why are you including high and
8 intermediate?

9 DR. DAHM: I follow that. That sounds --
10 so my real concern is the high-risk group.

11 DR. BHUTANI: Could you then suggest
12 perhaps, perhaps so that we don't -- since your
13 concern is high-risk, could that be just the high-
14 risk group patients be followed for two years and not
15 the low risk group or the intermediate risk group,
16 excuse me.

17 DR. DAHM: That sounds good. That sounds
18 like a --

19 DR. TALAMINI: Dr. Connor.

20 DR. CONNOR: That's what I was going to
21 recommend and point out. I guess again I think the
22 motion, we should be motioning that we have
23 scientific questions that we'd like to see answered
24 and let the experts at FDA answer those questions and
25 it sounds like we want to know more about efficacy in

1 the high right American group, and that may be
2 achievable by taking a subset of patients that would
3 be in the study that Dr. Redman proposed and we voted
4 on. So I think that by doing a subset in that
5 population, if that's what FDA thinks is best, then
6 we could achieve our goal that way.

7 DR. TALAMINI: Well, and I think that is
8 the sense of the motion. I'm not sure we need to
9 defeat it and have a new motion. That's the sense of
10 the motion. Further discussion?

11 (No response.)

12 DR. TALAMINI: Okay. So let's call the
13 question on an extension study for looking at
14 effectiveness. Those in favor, please raise your
15 hand. I see Dr. Donatucci, Dr. Dahm. Those opposed,
16 please raise your hand. Dr. Marcovich, Dr. Connor,
17 Dr. Redman. Those abstaining. Dr. Kalota and
18 Dr. Bhutani. Dr. Lippert, you're opposed.

19 DR. LIPPERT: Yes.

20 DR. TALAMINI: Dr. Lippert is opposed. So,
21 Dr. Cooper, where do we stand on that motion?

22 DR. COOPER: Two to five opposed.

23 UNIDENTIFIED SPEAKER: So it's defeated.

24 DR. TALAMINI: So that condition is
25 defeated. So we're standing by at three conditions

1 to the main motion. Are there any further motions
2 for conditions? Dr. Lippert?

3 DR. LIPPERT: I motion that they provide
4 the patient information guide to all purchasers so
5 that the user can provide that to patients. I can
6 think of purchases of equipment we've made that came
7 with no patient information guide.

8 DR. TALAMINI: Do we have a second for that
9 motion?

10 DR. CONNOR: I second.

11 DR. TALAMINI: Second. Discussion?

12 (No response.)

13 DR. TALAMINI: Was the company planning on
14 doing that? Perhaps could the company tell us
15 whether that is already planned or not as part of our
16 data input for our discussion?

17 DR. O'DONNELL: Yes, it's already planned.

18 DR. TALAMINI: Further discussion on that
19 condition?

20 (No response.)

21 DR. TALAMINI: Okay. Let's call the
22 question on that condition. Those in favor of adding
23 that as a condition for approval, raise your hands.
24 Dr. Marcovich, affirmative. Dr. Lippert,
25 affirmative. Dr. Bhutani, affirmative. Dr. Connor,

1 affirmative. Dr. Redman, affirmative. Those
2 opposed? I see no opposed. Those abstaining?
3 Dr. Kalota abstains. Dr. Dahm abstains and
4 Dr. Donatucci abstains. So I believe that motion
5 carries.

6 Further conditions?

7 (No response.)

8 DR. TALAMINI: Okay. So I think we are
9 ready for our main motion vote, and we are standing
10 by with four conditions. Ms. Brogdon.

11 MS. BROGDON: Yes. Before you go any
12 farther, I'm just looking at my notes on the
13 condition about the post-approval study to assess
14 safety, the one-year study, and I wonder if I could
15 just ask our epidemiologist whether there is any
16 clarification they need about the question that this
17 study would answer. So could I ask if the staff has
18 any comment on that? Dr. Wei, come to the microphone
19 please.

20 DR. WEI: Yeah, I only have one more
21 question about the comparison group, Study 101 and
22 the comparison group or use other.

23 DR. TALAMINI: The comparative group or use
24 other -- use a different comparative group or --
25 perhaps you could state the question again for us.

1 I'm sorry.

2 DR. WEI: Yeah, the Panel want to use Study
3 101 and the comparison group, I wanted to hear your
4 comment, and do you think that a comparison group is
5 okay or you have another recommendation for the
6 comparison group?

7 DR. TALAMINI: Panel members? Dr. Redman.

8 DR. REDMAN: I didn't imply any comparative
9 group. It's reporting incidents.

10 DR. BHUTANI: But I believe the sponsor is
11 planning to compare the adverse effects in the United
12 States -- with the results that were reported in 101.
13 Is that correct?

14 DR. TALAMINI: So it looks like there's
15 some confusion regarding the data in 101, I guess.
16 Ms. Brogdon, would this be -- would it be
17 appropriate to have the sponsor answer that question
18 or not?

19 MS. BROGDON: I think, Dr. Wei, we've asked
20 our question enough. If the Panel wants to ask the
21 sponsor to clarify what their proposal is, I think
22 that's appropriate.

23 DR. TALAMINI: Does the Panel feel they
24 need that clarification?

25 DR. DAHM: No.

1 DR. TALAMINI: No. Okay. Dr. Connor,
2 comments?

3 DR. CONNOR: I think the motion was that we
4 want information about the adverse event profile in
5 Americans, that we were not asking for a comparator
6 group, and I think that's our recommendation to FDA
7 and our vote and they can take that under guidance.

8 DR. TALAMINI: Okay. Ms. Brogdon, are you
9 okay with that?

10 MS. BROGDON: Yes. Thank you.

11 DR. TALAMINI: Thank you. Okay. So I
12 think we're ready for our main motion vote.

13 Dr. Cooper, have you been keeping track of
14 conditions? You might be more reliable than I in
15 reviewing them and stating them for the Panel.

16 DR. COOPER: The first treatment of
17 condition was to add to the labeling, not treating
18 the low risk tumors. I think that was the Ta grade
19 1, less than 3 centimeters, single, definition of low
20 risk tumors.

21 The second condition of approval was to
22 have training mandated for the use of the device.

23 The third condition was to have a post-
24 market, one-year study as outlined by the sponsor on
25 safety, and I believe that extended to the high-risk

1 group. Is that correct?

2 UNIDENTIFIED SPEAKER: No.

3 DR. COOPER: No. We did not go there.

4 Okay. And the fourth condition was the patient
5 information guide being provided to all users.

6 DR. TALAMINI: Correct. So it's been moved
7 and seconded that PMA P010045 for the Synergo SB-TS
8 101.1 Device and mitomycin C from Medical
9 Enterprises, Ltd. be approved with those conditions.
10 With a show of hands, please indicate if you concur
11 with the recommendation that the Synergo SB-TS 101.1
12 Device and mitomycin C be found approvable. Hands
13 please. With the conditions. Excuse me. So
14 Dr. Marcovich is affirmative. Dr. Donatucci,
15 affirmative. Dr. Lippert, affirmative. Dr. Bhutani,
16 affirmative. Dr. Connor, affirmative. Dr. Dahm,
17 affirmative. Dr. Kalota, affirmative. And,
18 Dr. Redman, affirmative. So a unanimous Panel vote.

19 So there are no disapproving votes and
20 there are no abstentions, I believe we now need to --
21 well, it's the recommendation of this Panel to FDA
22 that the Medical Enterprise, Ltd. PMA Apparently
23 P010045 for the Synergo SB-TS 101.1 Device and
24 mitomycin C be approved with the conditions as
25 stated. The motion was unanimous with how many in

1 favor?

2 MR. COOPER: Eight.

3 DR. TALAMINI: Eight in favor, none opposed
4 and no abstentions.

5 I will now ask each Panel member to state
6 the reason for his or her vote starting with
7 Dr. Marcovich.

8 DR. MARCOVICH: I voted that way because I
9 believe the data provided a reasonable assurance that
10 the device is effective and safe as per the
11 discussion today.

12 DR. TALAMINI: Dr. Donatucci.

13 DR. DONATUCCI: I agree that I believe the
14 data as presented led to my decision to vote
15 affirmatively for safety and efficacy for this
16 device.

17 DR. TALAMINI: Dr. Lippert.

18 DR. LIPPERT: It works. I voted to approve
19 the device because it is effective and safe based on
20 the data.

21 DR. TALAMINI: Dr. Bhutani.

22 DR. BHUTANI: I voted for approval with
23 conditions because I believe there is reasonable
24 scientific evidence regarding its efficacy and safety
25 with potential health benefits to American patients.

1 DR. TALAMINI: Dr. Connor.

2 DR. CONNOR: I voted for approval because I
3 have reasonable assurance of efficacy and safety.

4 DR. TALAMINI: Dr. Dahm.

5 DR. DAHM: Based on the evidence that was
6 presented here today, I have reasonable assurance
7 that the product is effective and safe.

8 DR. TALAMINI: Dr. Kalota.

9 DR. KALOTA: Likewise, I voted in the
10 affirmative because I believe the data supported
11 efficacy and safety.

12 DR. TALAMINI: Dr. Redman.

13 DR. REDMAN: I voted approval because I
14 have a reasonable assurance that it's effective and
15 safe.

16 DR. TALAMINI: Terrific. Well, I want to
17 thank the Panel -- if we could ask for comments from
18 Ms. Stokes and Dr. Layton.

19 MS. STOKES: I would just like to comment
20 that I agree with the Panel, that indeed the product
21 appears to be reasonably -- there's a reasonable
22 assurance that it is safe and is effective.

23 DR. LAYTON: I agree with the
24 recommendations and the conditions.

25 DR. TALAMINI: Thank you very much. So I