

UNITED STATES OF AMERICA  
 DEPARTMENT OF HEALTH AND HUMAN SERVICES  
 CENTER FOR DEVICES AND RADIOLOGIC HEALTH  
 MEDICAL DEVICES ADVISORY COMMITTEE  
 OPHTHALMIC DEVICES PANEL  
 110<sup>th</sup> MEETING

FRIDAY, APRIL 25, 2008

+ + + + +

The Panel met at 8:30 a.m. in the Ballroom of the Gaithersburg Holiday Inn, 2 Montgomery Village Avenue, Gaithersburg, Maryland, Jayne S. Weiss, MD, presiding.

PRESENT:

JAYNE S. WEISS, MD	Chairperson
NEIL M. BRESSLER, MD	Voting Member
TIMOTHY EDRINGTON, OD	Voting Member
DALE K. HEUER, MD	Voting Member
ANDREW HUANG, MD,MPH	Voting Member
JANINE A. SMITH, MD	Voting Member
STEPHEN D. MCLEOD, MD	Consultant
DAVID C. MUSCH, PHD,MPH	Consultant
RICHARD T. BUNNER	Consumer Representative
BARBARA A. NIKSCH	Industry Representative
PAULA COFER	Patient Representative
MALVINA EYDELMAN, MD	FDA

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## TABLE OF CONTENTS

<u>AGENDA ITEM</u>	<u>PAGE</u>
Call to Order, Introductory Remarks	3
Open Public Hearing	14
FDA Presentation:	
Introduction, Donna Bea Tillman, PhD	206
LASIK Regulatory Background Kwame O. Ulmer, M.S.	224
ANSI Standard, Gene Hilmantel, OD, MS	232
FDA Postmarket Assessment Quynh T. Hoang, M.S.	241
Quality of Life Assessment Eva M. Rorer, M.D.	245
Adverse Event Reporting Bernard P. Lepri, O.D., M.S.	255
Panel Questions for FDA	263
Guest Speaker: David J. Tanzer, M.D. Commander, Medical Corps, US Navy US Navy Refractive Surgery Program Director What Refractive Surgery Means to the Military	285
FDA Questions and Panel Discussion	307
Open Public Hearing	377
FDA Presentation:	383
PIOL Regulatory Background ANSI/ISO PIOL Standard	
FDA Questions and Panel Discussion	394

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## P R O C E E D I N G S

(8:29 a.m.)

1  
2  
3 CHAIRPERSON WEISS: I would like to  
4 call this meeting of the Ophthalmic Devices  
5 Panel to order. My name is Dr. Jayne Weiss.  
6 I am a cornea and refractive surgeon and  
7 Professor of Ophthalmology, Director of  
8 Refractive Surgery, at Kresge Eye Institute,  
9 Wayne State University, Detroit Medical Center  
10 in Detroit, Michigan.

11 If you haven't already done so,  
12 please sign the attendance sheets that are on  
13 the table by the doors.

14 Ms. Warburton, the Executive  
15 Secretary for Ophthalmic Devices Panel, to my  
16 left, will make some introductory remarks.

17 MS. WARBURTON: Good morning,  
18 everyone. I would like to first read the  
19 conflict of interest statement and then the  
20 appointment of temporary voting member and  
21 Acting Chairperson statement.

22 FDA conflict of interest disclosure

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1 statement for particular matters of general  
2 applicability: Ophthalmic Devices Panel of  
3 the Medical Devices Advisory Committee. Date  
4 of meeting, April 25, 2008.

5 The Food and Drug Administration is  
6 convening today's meeting of the Ophthalmic  
7 Devices Panel of the Medical Devices Advisory  
8 Committee under the authority of the Federal  
9 Advisory Committee Act of 1972.

10 With the exception of the Industry  
11 Representative, all members and consultants of  
12 the Panel are Special Government Employees or  
13 regular federal employees from other agencies,  
14 and are subject to federal conflict of  
15 interest laws and regulations.

16 The following information on the  
17 status of this Panel's compliance with federal  
18 ethics and conflict of interest laws covered  
19 by, but not limited to, those found at 18 USC  
20 Section 208 and Section 712 of the Federal  
21 Food, Drug and Cosmetic Act, are being  
22 provided to participants in today's meeting

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1 and to the public.

2 FDA has determined that members and  
3 consultants of this Panel are in compliance  
4 with federal ethics and conflict of interest  
5 laws. Under 18 USC Section 208, Congress has  
6 authorized FDA to grant waivers to Special  
7 Government Employees who have financial  
8 conflicts when it is determined that the  
9 agency's need for a particular individual's  
10 services outweighs his or her potential  
11 financial conflict of interest.

12 Under Section 712 of the Federal  
13 Food, Drug and Cosmetic Act, Congress has  
14 authorized FDA to grant waivers to Special  
15 Government Employees and regular government  
16 employees with potential financial conflicts  
17 when necessary to afford the Committee  
18 essential expertise.

19 Related to the discussions of  
20 today's meeting, members and consultants of  
21 this Panel who are Special Government  
22 Employees have been screened for potential

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1 financial conflicts of interest of their own,  
2 as well as those imputed to them, including  
3 those of their spouses or minor children and,  
4 for purposes of the 18 USC Section 208, their  
5 employers.

6 These interests may include  
7 investments; consulting; expert witness  
8 testimony; contracts; grants or CRADAs;  
9 teaching, speaking or writing; patents and  
10 royalties; and primary employment.

11 Today's agenda involves a  
12 discussion on general issues concerning the  
13 post-market experience with Phakic intraocular  
14 lenses and laser-assisted in situ  
15 keratomileusis, or LASIK. This is a  
16 particular matters meeting involving general  
17 applicability.

18 Based on the agenda for today's  
19 meeting and all financial interests reported  
20 by the Panel members and consultants,  
21 conflict of interest waivers have been issued  
22 in accordance with 18 USC Section 208(b)(3)

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1 and Section 712 of the Food, Drug and Cosmetic  
2 Act to Dr. Dale Heuer.

3 Dr. Heuer's waivers address the  
4 consulting interests with a firm at issue. He  
5 received less than \$10,001 for this  
6 involvement, which is unrelated to today's  
7 agenda.

8 These waivers allow Dr. Heuer to  
9 participate fully in today's deliberations.  
10 FDA's reasons for issuing the waivers are  
11 described in the waiver documents, which are  
12 posted on FDA's website at  
13 [www.fda.gov/ohrmf/dockets/default.htm](http://www.fda.gov/ohrmf/dockets/default.htm).

14 Copies of the waivers may also be  
15 obtained by submitting a written request to  
16 the agency's Freedom of Information Office,  
17 Room 6-30 of the Parklawn Building. A copy of  
18 this statement will be available for review at  
19 the registration table during this meeting and  
20 will be included as part of the official  
21 transcript.

22 Barbara A. Nicksch is serving as the

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1 Industry Representative, acting on behalf of  
2 all related industry, and is employed by  
3 Visiogen, Incorporated.

4 Commander David Tanzer, M.D., U.S.  
5 Navy, is a guest speaker today.

6 We would like to remind members and  
7 consultants that, if the discussions involve  
8 any other products or firms not already on the  
9 agenda for which an FDA participant has a  
10 personal or imputed financial interest, the  
11 participants need to exclude themselves from  
12 such involvement, and their exclusion will be  
13 noted for the record.

14 FDA encourages all other  
15 participants to advise the Panel of any  
16 financial relationships that they may have  
17 with any firm at issue. Thank you.

18 Now I will read the appointment to  
19 temporary voting status.

20 Pursuant to the authority granted  
21 under the Medical Devices Advisory Committee  
22 charter dated October 27, 1990, and amended

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1 August 18, 2006, I appoint Jayne Weiss, M.D.,  
2 as temporary voting member and Acting  
3 Chairperson of the Ophthalmic Devices Panel of  
4 the Medical Devices Advisory Committee for the  
5 duration of this meeting on April 25, 2008.

6 For the record, Dr. Weiss is a  
7 Special Government Employee and a consultant  
8 to this Panel. She has undergone the  
9 customary conflict of interest review and has  
10 reviewed the material to be considered at this  
11 meeting.

12 This was signed by Daniel G.  
13 Schultz, M.D., Director, Center for Devices  
14 and Radiological Health, and dated April 21,  
15 2008.

16 Before I turn the meeting back over  
17 to Dr. Weiss, I would like to make a few  
18 general announcements.

19 Transcripts of today's meeting will  
20 be available from Neal Gross & Company, who  
21 may be reached by phone at 202-234-4433.  
22 Information on purchasing videos of today's

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1 meeting can be found at the table outside of  
2 the meeting room.

3 I would also like to remind  
4 everyone that members of the public and the  
5 press are not permitted in this Panel area,  
6 which is the area just beyond the speaker's  
7 podium.

8 The press contact for today's  
9 meeting is Peper Long. Peper, could you  
10 please stand? I would also request that  
11 reporters please wait to speak to FDA  
12 officials until after the Panel meeting has  
13 concluded today.

14 If you are presenting in any of the  
15 open public hearing sessions today -- there  
16 will be one in the morning and also one in the  
17 afternoon -- and have not previously provided  
18 an electronic copy of your slide presentation  
19 to FDA, please arrange to do so with Ann Marie  
20 Williams. Anne Marie, would you please stand?

21 Thank you.

22 Of course, finally, please silence

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1 your cell phones, if you haven't already done  
2 so. Thank you very much. Dr. Weiss?

3 CHAIRPERSON WEISS: Thank you,  
4 Karen. Good morning, everyone. At this  
5 meeting, the Panel will discuss the post-  
6 market experience of laser-assisted in situ  
7 keratomileusis, as well as Phakic intraocular  
8 lenses.

9 Before we begin, I would like to  
10 ask our Panel members and FDA staff seated at  
11 the table to introduce themselves. We will  
12 start with Dr. Eydelman, and I would like each  
13 of the members to state their name, area of  
14 expertise, position and affiliation. Dr.  
15 Eydelman?

16 DR. EYDELMAN: Malvina Eydelman,  
17 Director of the Division of Ophthalmic and  
18 Ear, Nose, Throat Devices in the Office of  
19 Device Evaluation.

20 DR. McLEOD: Stephen McLeod. I am  
21 the Chairman of the Department of  
22 Ophthalmology at University of California, San

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1 Francisco. My expertise is in cornea external  
2 disease and refractive surgery.

3 DR. MUSCH: David Musch. I am at  
4 the University of Michigan in the Department  
5 of Ophthalmology and Visual Sciences, and I am  
6 a professor there. I am also in the  
7 Department of Epidemiology there, and that is  
8 my area of expertise.

9 DR. HEUER: Dale Heuer, Professor  
10 of Ophthalmology at the Medical College of  
11 Wisconsin.

12 DR. EDRINGTON: Tim Edrington,  
13 Southern California College of Optometry,  
14 Professor there, cornea and contact lenses.

15 DR. HUANG: Andrew Huang. I am at  
16 Washington University, East St. Louis. I am a  
17 cornea specialist. I am a Professor of  
18 Ophthalmology there.

19 DR. BRESSLER: Neil Bressler. I am  
20 a professor of Ophthalmology at the Wilmer Eye  
21 Institute, Johns Hopkins. I am Chief of the  
22 Retina Division there, and I have an expertise

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1 or interest in clinical trials in retinal  
2 diseases and quality of life outcomes.

3 DR. SMITH: Janine Smith, Deputy  
4 Clinical Director, National Eye Institute,  
5 National Institutes of Health. My areas of  
6 expertise are cornea and uveitis.

7 MS. COFER: Paula Cofer, patient  
8 representative.

9 MR. BUNNER: Richard Bunner. I am  
10 consumer representative. I am a volunteer for  
11 Prevent Blindness America.

12 MS. NIKSCH: Barbara Nicksch. I am  
13 currently a Vice President, Regulatory,  
14 Quality, Clinical at Physiogen, and I am  
15 serving as the industry representative.

16 CHAIRPERSON WEISS: Thank you very  
17 much. We will now proceed with the general  
18 discussion regarding LASIK.

19 Prior to hearing our presentation  
20 from the FDA, we will hold the Open Public  
21 Hearing for this meeting topic. The FDA has  
22 also received many written comments prior to

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1 this meeting. They are available for public  
2 viewing at the table adjacent to the meeting  
3 room. They will also be posted on the FDA  
4 website with the other meeting records after  
5 the meeting at  
6 <http://www.fda.gov/oc/advisory/acdevices.html>.

7 We will now proceed with the Open  
8 Public Hearing portion of the meeting. Public  
9 attendees are given an opportunity to address  
10 the Panel to present data, information or  
11 views relevant to the meeting agenda.

12 There is an open public hearing  
13 statement on disclosure that I will now read:

14 Both the Food and Drug  
15 Administration and the public believe in a  
16 transparent process for information-gathering  
17 and decision-making. To ensure such  
18 transparency at the Open Public Hearing  
19 session of the Advisory Committee meeting, FDA  
20 believes that it is important to understand  
21 the context of an individual's presentation.

22 For this reason, FDA encourages

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1 you, the open public hearing speaker, at the  
2 beginning of your written or oral statement to  
3 advise the Committee of any financial  
4 relationship that you may have with any  
5 company or group that may be affected by the  
6 topic of this meeting.

7 For example, this financial  
8 information may include a company's or a  
9 group's payment of your travel, of your  
10 lodging or other expenses in connection with  
11 your attendance at this meeting.

12 Likewise, FDA encourages you, at  
13 the beginning of your statement, to advise the  
14 Committee if you do not have any such  
15 financial relationships. If you choose not to  
16 address this issue of financial relationships  
17 at the beginning of your statement, it will  
18 not preclude you from speaking.

19 As we have a large number of public  
20 speakers today, I would like to go over the  
21 process to ensure a smooth transition from one  
22 speaker to another.

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1           Ann Marie Williams will direct you  
2 to the podium. Ann Marie, can you wave?  
3 There is the Princess Diana wave. When you  
4 speak, the green light will appear. We have  
5 to hold assiduously to the five minutes  
6 because of the amount of speakers. So, listen  
7 up for how the procedure will work.

8           Five minutes, the green light will  
9 appear. At one minute, the yellow light will  
10 appear. The next speaker should then approach  
11 the podium to be ready to start, because when  
12 the yellow light goes out, your time is up.  
13 At the end of five minutes, a red light will  
14 appear, and your presentation will be  
15 completed, and I have master controls here.  
16 So I can tell you, whether you stop speaking  
17 or whether I have you stop speaking, at five  
18 minutes you will stop speaking.

19           Since we have a large number of  
20 speakers, please adhere to these time  
21 limitations.

22           The Panel will be given an

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1 opportunity to ask questions of the public  
2 presenters at the conclusion of the Open  
3 Public Hearing. If recognized by a Panel  
4 member and only if recognized by a Panel  
5 member, please approach a podium to answer  
6 questions.

7 I would also like to remind the  
8 public observers at this meeting that public  
9 attendees may not participate except at the  
10 specific request of the Chair.

11 We will now start the public  
12 portion of this meeting. I would request the  
13 first speaker, Dr. Michael Patterson, to come  
14 up to the podium. We would also ask everyone  
15 to speak clearly to allow the transcriptionist  
16 to provide an accurate transcription of the  
17 proceedings of this meeting, which will  
18 eventually appear on the FDA website.

19 DR. PATTERSON: (A short video is  
20 played.)

21 Stop using medical devices for  
22 LASIK. This is a simulation of the vision in

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1 my left eye. LASIK ruined my vision and my  
2 quality of life. Not all 20/20 is the same.  
3 Eye chart at the bottom here shows what  
4 doctors say is a good LASIK outcome versus  
5 normal vision. LASIK often causes even more  
6 vision quality loss, which is very important.

7 Partial lists of my LASIK complications  
8 include: Microkeratome failure, blade reuse  
9 scar, et cetera.

10 The FDA states safety was  
11 determined with a risk/benefit analysis, but  
12 where is it? Make the formal risk/benefit  
13 analyses public. The risks of cutting a flap  
14 for LASIK far away the benefits. Quality of  
15 vision and Dry Eye risks were not evaluated.  
16 I believe no risk/benefit analysis was  
17 actually done, and the FDA will not compare  
18 the safety of these dangerous devices to any  
19 alternative, like contacts.

20 What value was put on human injury  
21 and suffering in the FDA's analysis? Clinical  
22 trials are not FDA risk/benefit analyses.

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1 Devices approved for LASIK are not safe,  
2 because cutting a flap for LASIK is not safe.

3 Compared to glasses or contacts,  
4 there is no way the benefits of LASIK outweigh  
5 the severe risks of permanent injury for life.

6 A failure rate of five percent or higher is  
7 not safe, and the post-market standard of care  
8 for LASIK is not safe.

9 LASIK surgeons lied to me and other  
10 patients over and over. Why aren't doctors  
11 reporting the truth to the public? If the FDA  
12 followed federal law, lives can be saved.

13 Regarding the FDA not taking any  
14 action to regulate LASIK centers as ASFs under  
15 MDR regulation 21, CFR Part 803, LASIK surgery  
16 centers meet the devices or facility  
17 definition as an ambulatory surgical facility  
18 or ASF. CFR 803 requires the FDA to regulate  
19 LASIK centers, including their reporting and  
20 written procedures.

21 What has the FDA done to inspect  
22 any LASIK facility for written procedures or

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1 for not making reports to the FDA to assure  
2 that each LASIK center follows the ASF  
3 procedures, like maintaining files and  
4 reporting?

5 Will the FDA explain how they know  
6 these LASIK ASFs are complying? Probably not.

7 What FDA surveillance program confirms that  
8 LASIK ASFs are reporting adverse events that  
9 occur in the ASFs to the FDA? Disclosing FDA  
10 inaction in this public forum is shocking. I  
11 am skeptical about the ability of the FDA's  
12 CDRH to explain or defend its performance in  
13 public.

14 I would not be surprised to learn  
15 that few, if any, of these ASF centers meet  
16 the requirements. LASIK is a surgery done on  
17 millions of people. MDR regulation appearing  
18 in 21 CFR 803 defines devices or facility  
19 includes ASFs. I believe this encompasses  
20 LASIK centers.

21 The types of adverse events and  
22 serious injuries LASIK victims suffer from

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1 must be reported by the ASFs to the FDA.  
2 Annual reporting of MDR events can be  
3 submitted on FDA Form 3419.

4 Publicize the FDA's lack of action,  
5 please. If my suspicion is correct, the FDA  
6 has been intentionally negligent in the  
7 discharge of its responsibility to assure  
8 compliance with the regulations.

9 Why have there been so few adverse  
10 event reports to the FDA, despite numerous  
11 consumer reports? By statute, ASFs are  
12 required under penalty of law to report device  
13 malfunctions. The reporting requirements  
14 apply, regardless of clearance and approval.

15 I have presented the FDA with  
16 evidence of unreported adverse events, but the  
17 FDA did nothing.

18 Regarding bias in the LASIK  
19 quality of life study, the AAO and NEI should  
20 be involved, but ASCRS' involvement represents  
21 an obvious conflict of interest. Researchers  
22 should not already have drawn a conclusion

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1 about quality of life and LASIK, not have a  
2 financial interest in LASIK, or a bias. Yet  
3 ASCRS is already announced three LASIK  
4 surgeons for the study.

5           Regarding bias in the LASIK quality  
6 of life study, the FDA knows there is a study  
7 showing a connection between LASIK and suicide  
8 -- Emory University. A significant  
9 correlation between these two separate events  
10 connects them.

11           The medical community should know  
12 that LASIK patients may be committing suicide  
13 at four times the expected rate. That's huge.

14           LASIK surgeon Dr. Richard Lindstrom has  
15 financial interests in the device  
16 manufacturers or the procedure, has already  
17 drawn his conclusion about quality of life  
18 after LASIK.

19           Having already stated his bias, I  
20 believe he should not be allowed to design and  
21 conduct a post-LASIK study in connection with  
22 the FDA's post market review of LASIK. I ask

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1 this Panel and the FDA, after submitting four  
2 petitions: 1) to redo the FDA risk/benefit  
3 analysis for LASIK; report the serious nature  
4 of post market LASIK risks; include all the  
5 post market risks like vision quality problems  
6 and dry eye. We don't do anything to the  
7 microkeratome in between eyes, say the  
8 doctors.

9 2) For the FDA to regulate LASIK  
10 centers as ASFs under existing FDA MDR  
11 regulations. LASIK surgery centers meet the  
12 device user facility definition as an ASF.

13 For the quality of life study to be  
14 used, qualify professionals who are completely  
15 independent of the LASIK industry; and 4) a  
16 moratorium on the devices used for LASIK,  
17 because LASIK surgery is far too risky and the  
18 research was not ethically done.

19 5) Evaluate potential LASIK dry eye  
20 treatments like unscented natural body butter  
21 or those on mercola.com.

22 6) Stop LASIK.

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1 Dr. Huang e-mailed me that there  
2 were 12 patients with a single microkeratome  
3 blade reuse. Dr. Huang is sitting on this  
4 Panel. We do not need your expertise. We do  
5 not need your conflicts of interest.

6 Say no to LASIK surgeons sitting on  
7 any FDA panel evaluating devices used for  
8 LASIK.

9 CHAIRPERSON WEISS: Our next  
10 speaker will be Dean Kantis.

11 MR. KANTIS: Good morning, FDA  
12 Panel, honored guests, and fellow victims of  
13 the flawed and unpredictable LASIK eye  
14 surgical procedure.

15 My name is Dean Andrew Kantis,  
16 founder of lifeafterlasik.com. For the past  
17 nine years, I have spent \$30,000 seeking  
18 restoration of my ruined vision, only to find  
19 out there is no cure.

20 Through my website, hundreds of  
21 victims have contacted me expressing their  
22 suicidal thoughts. Some have already

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1 committed suicide. It is always the same  
2 story: I was lied to. The name says it all,  
3 "lay-sick, lay-sick."

4 When I began to speak out against  
5 LASIK years ago, I encountered a severe  
6 backlash. Even my own doctor, Nick Caro, St.  
7 George in Chicago, tried to sue me for \$2  
8 million for exposing his 40 law suits. He  
9 then caused my family to get a divorce last  
10 year by harassing my wife, attempting to her  
11 fired from her nursing profession.

12 My family has been harassed, has  
13 had death threats, and was lied to by this  
14 doctor. Yet no one has punished him for his  
15 actions. Where was the FDA?

16 How is it that a doctor in this  
17 country can have forty-plus law suits with no  
18 known disciplinary action? I feel that my  
19 second-opinion doctors also lied to me, and I  
20 know they are the problem.

21 How is a patient ever able to find  
22 out they have a problem if all the follow-up

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1 doctors lie to protect the original doctor?  
2 Where was the FDA?

3 After submitting complaints in  
4 these same doctors' department of regulations  
5 in Florida and Chicago, backed by solid  
6 evidence, I soon found all were denied. They  
7 all went up to probable cause, and there at  
8 the top sits a medical doctor in order to  
9 cover a fellow doctor. I feel like I have  
10 been raped.

11 Because of the lies, I was unable  
12 to sue my doctor before the statute of  
13 limitations ran out. I guess that is why they  
14 all kept telling me that it would take three,  
15 maybe four, maybe five years, Dean, for you to  
16 fully heal. Sound familiar?

17 I had to go online to find out the  
18 truth. I am now out of pocket for medical  
19 expenses, lost wages and for daily suffering.

20 I don't know of any other procedure where  
21 hundreds of patients have created websites  
22 warning the public about the unpredictability

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1 and corruption of LASIK surgery.

2 I have outlined five key emerging  
3 points which should be thoroughly investigated  
4 by this Panel to ensure that the LASIK  
5 industry does not continue to dupe the  
6 misinformed public.

7 Number 1: What is the truth about  
8 the flap and the pupil size? I was told that  
9 the flap created heals like a cut on your  
10 hand, but the truth is the flap never heals.  
11 Isn't that right? It is unpredictable, and  
12 leaves the patient with a permanently scarred  
13 cornea for life to see through. My pupils  
14 were measured off the charts at 9 millimeters.  
15 Yet my doctor told me I was the perfect  
16 patient candidate for LASIK.

17 Just remember, today's happy 20/20  
18 LASIK patient may regress and be tomorrow's  
19 LASIK casualty driving a school bus picking up  
20 your children. Oh, yes, it affects everybody  
21 in this room.

22 Number 2: What is the true

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1 informed consent? I have submitted a complete  
2 pamphlet to this Panel that gives the patient  
3 true informed consent with full color pictures  
4 illustrating the known side effects.

5 Please consider mandating this  
6 pamphlet, for yours is antiquated. Then  
7 educate the consumer on the statute of  
8 limitations, so they know the time frame to  
9 sue their doctor starts from the date of the  
10 procedure, not from the date of discovery.  
11 The line LASIK doctors all know this.

12 Number 3: What constitutes a LASIK  
13 success? I see double vision, halos,  
14 starbursts, fluctuating vision, dry eye  
15 syndrome. Yet I was told I was a success.  
16 Can you believe that?

17 In order to believe the LASIK  
18 industry's reported satisfaction rate of 95  
19 percent, you must accept these complications  
20 to be acceptable normal outcomes. That's the  
21 question. Do you believe a patient who has  
22 these problems to be a success, because the

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1 LASIK industry does.

2                   Shouldn't patient success be  
3 decided by each individual patient, however  
4 they define success? How does this Panel  
5 define success?

6                   Number 4: What is a breach of the  
7 standard of care for LASIK doctors? The FDA  
8 has stated over and over that it is not their  
9 job to discipline doctors. Then whose job is  
10 it, because nobody seems to be doing it?

11                   I am out of a life that I once  
12 enjoyed, because money came first. My well-  
13 being came last. I ask this Panel to hold the  
14 FDA responsible for reviewing the ambulatory  
15 code, 21 Charlie-Foxtrot-Romeo 803.17,  
16 requiring all LASIK facilities since 1997 to  
17 report all adverse patient outcomes.

18                   I feel every LASIK facility in this  
19 country is in violation of this mandatory  
20 requirement, which should prompt a class  
21 action law suit.

22                   If the CDRH has not even bothered

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1 to check the LASIK centers in their own  
2 neighborhood, why do they, all of a sudden,  
3 set up visionsite.net as a new initiative for  
4 their own incompetence? I do hope the media  
5 here today will run with this and investigate  
6 this.

7           Lastly, number five: What are the  
8 unforeseen emotional consequences of LASIK  
9 that affects every LASIK doctor, their family  
10 members and patients?

11           I come today at my own expense  
12 after eight years of research to inform this  
13 Panel that you have a serious problem on your  
14 hands, a very desperate, suicidal and angered  
15 patients that know their LASIK doctors lied to  
16 them and blame their LASIK doctors for ruining  
17 their precious lives.

18           I ask this Panel to set up an  
19 emergency hurt LASIK patient fund immediately  
20 in order to help patients with suicidal  
21 preventive therapy, ongoing medical expenses,  
22 legal representation, and lost wages.

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1           Please take immediate action to  
2 protect the people who are under your care and  
3 pay you for protecting them. Thank you.

4           CHAIRPERSON WEISS:       Our next  
5 speaker will be Glen Hagele, who will be  
6 speaking in place of Barbara Berney or  
7 presenting her statement.

8           MR. HAGELE:       Thank you. As you  
9 said, I am Glen Hagele. I am making the  
10 statement on behalf of Dr. David Hartzog and  
11 Barbara Berney, co-founders of the Vision  
12 Surgery Rehab Network.

13           The Vision Surgery Rehab Network,  
14 VSRN, is a 501(c)(3) nonprofit organization  
15 whose purpose is to help patients with  
16 complications from any surgery that alters the  
17 refractive status of the eye.

18           The bulk of our work focuses on  
19 LASIK patients. We define their condition as  
20 refractive surgery syndrome, RSS, a complex,  
21 chronic visual, psychological and  
22 physiological symptoms following any surgery

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1 that affects the refractive effects of the  
2 eye.

3 This Panel must be prepared to hear  
4 the extremes of two sides of an ongoing  
5 argument, those who maintain that LASIK does  
6 not generate depression and other  
7 psychological issues versus those who argue  
8 strenuously that their lives have been  
9 irretrievably harmed.

10 VSRN believes that both extremes  
11 are at times disingenuous in their arguments  
12 and unnecessarily defiant in their  
13 perspective. It is our hope that the  
14 definition of refractive surgery syndrome  
15 and, in particular, its psychological  
16 components will be recognized and accepted by  
17 the FDA, and that this definition will be a  
18 starting point toward dialogue between the two  
19 perspectives.

20 Physical, physiological and  
21 psychological symptoms following LASIK may  
22 combine to produce varying degrees of RSS. A

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1 common complaint of LASIK, dry eye, may be  
2 thought of as a physical symptom, dryness,  
3 burning or pain, that may have physiological  
4 attributes relative to an inadequate tear  
5 film, which creates a psychological awareness  
6 of reduced vision.

7 As a contributing factor to RSS,  
8 physical dryness can be an intractable  
9 condition. The other end of the RSS spectrum  
10 is less tangible and leads to most of the  
11 post-surgery frustrations. VSRN contends that  
12 vision as a perception is more complex than  
13 LASIK advocates acknowledge.

14 Vision, as described in so many  
15 studies and post-operative accounts,  
16 concentrates heavily on the measurable optical  
17 attributes of the eye's condition. While  
18 knowledge of the refractive components of the  
19 eye has grown, there has been no proportionate  
20 increase in understanding how the alteration  
21 of the eye's optical elements adversely affect  
22 perception. Clearly, a broader perspective is

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1 needed.

2 Vision abnormalities induced by  
3 LASIK are perceptual in a way that existing  
4 technology cannot discern. LASIK has elicited  
5 the gamut of subjective response from euphoric  
6 elation to panicked angst. While newer  
7 technology may be safer and more effective  
8 than in the past, even today's advanced  
9 procedures can reduce visual quality.

10 Our world, our reality, is the  
11 summation of all of our perceptions, vision  
12 being the most powerful. VSRN's experience  
13 with patients is that LASIK alters their  
14 reality in ways that disrupt their sense of  
15 normalcy and well-being.

16 LASIK is an elective procedure. It  
17 is natural for providers to downplay negative  
18 outcomes, particularly when there is no  
19 causative effect.

20 Too frequently, patients'  
21 frustrations are compounded by denial of the  
22 complaints by surgeons and other post-surgery

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1 examiners. They begin to believe that denial  
2 is systemic in the industry and that their  
3 doctors are uncaring.

4 Those feelings, combined with  
5 aggressive marketing and inadequate informed  
6 consent agreements exacerbate the  
7 psychological aspects of RSS. Patients'  
8 visual perceptions should be validated, not  
9 denied.

10 The loss of visual quality reduces  
11 patients' overall sense of well-being and  
12 leads to depression and chronic anxiety. How  
13 doctors manage LASIK problems is just as  
14 critical to their patients' recovery as the  
15 optical outcome. Any sense of non-caring  
16 creates additional stress for the patient.

17 The visual complications of LASIK  
18 suggest that certain properties in curvatures  
19 of the cornea are unique to the individual and  
20 may not be subject to generalized nomographic  
21 approach.

22 Even Wavefront analysis, while

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1 elegant and attractive, fails to guarantee a  
2 satisfactory surgical result. Patients with  
3 Wavefront customized surgeries regularly  
4 contact VSRN for help with RSS.

5 Rigid gas permeable contact lenses  
6 and additional surgeries are the most common  
7 rehab options. Informed consent agreements  
8 fail to mention that neither is consistently  
9 satisfactory nor successful. Patients whose  
10 rehab efforts fail to restore normal vision  
11 suffer a proportionately higher degree of RSS.

12 The number of patients affected is  
13 incalculable, since successful LASIK, in the  
14 surgeon's view, is procedural -- you are 20/20  
15 -- while success of LASIK in the patient's  
16 view is perceptual -- but it's not clear.

17 RSS will continue to remain under-  
18 reported until the doctor versus patient  
19 discrepancy is resolved. VSRN believes that  
20 refractive surgery syndrome results in quality  
21 of life issues for a significant but unknown  
22 number of patients.

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1 Any meaningful investigation of the  
2 quality of life after LASIK must be impartial,  
3 undertaken by behavioral and perceptual  
4 specialists with no vested interest in the  
5 outcome. Thank you.

6 Those are the words of Barbara  
7 Berney and David Hartzog.

8 CHAIRPERSON WEISS: Thank you. Our  
9 next speaker will be Mr. Gerard J. Dorrian.

10 MR. DORRIAN: My name is Gerard  
11 Dorrian. I have no financial interests in any  
12 LASIK-related entity that I know of.

13 Can everyone hear? Oh, this one is  
14 on. I'm sorry.

15 My name is Gerard Dorrian. I have  
16 no financial interests with any LASIK-related,  
17 anything that I am aware of.

18 I am here to tell the story of my  
19 son, Colin. Before Colin had LASIK surgery,  
20 he was a very confident, outgoing person.  
21 There was no sign of any mental illness. He  
22 had never been diagnosed with mental illness,

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1 didn't use illegal or recreational drugs, and  
2 he seldom drank.

3 This is a picture of Colin at his  
4 graduation from Cooper Union with a degree in  
5 engineering. As you can see, he wasn't much  
6 more than a child.

7 It was a number of months after  
8 this that he had LASIK surgery, while he was a  
9 law student at the University of Michigan.  
10 Before the surgery, he had become intolerant  
11 to contact lenses, because of dry eye. This  
12 is his justification for getting the surgery.

13 He has large pupils. There's other technical  
14 information for all the medical people here.

15 When he was assessed for this, he  
16 was warned that his large pupils would be  
17 something to consider, but was told that it  
18 was no worse than he would experience with  
19 contacts. It is actually noted on the medical  
20 forms that I found after his death, that there  
21 was less than one percent chance it would be  
22 worse.

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1           This is information about his  
2 treatment.       After the treatment, Colin  
3 experienced large starbursts. He said he had  
4 triple overlapping images and ghosting off  
5 white objects, and he said that he lost  
6 contrast sensitivity.

7           He also complained about dry eye,  
8 and that made it impossible for him to  
9 tolerate contact lenses. Three times, he  
10 tried to be fitted with contact lenses, but  
11 couldn't wear them.

12           This is Colin again, and it's  
13 difficult to do this, but I think the thing  
14 that best explains where Colin was is to read  
15 the last words he left for us: If I can't get  
16 my eyes fixed, I am going to kill myself. At  
17 the time of this writing, I have lived for six  
18 and a half years like this, and it drives me  
19 more and more crazy every single day. For a  
20 while, I coped fairly well and have gone  
21 forward with things I had to do; but this  
22 problem has kept me from enjoying life the way

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1 I used to. Every single thing I look at, more  
2 or less throughout the entire day, looks ugly  
3 and confusing to me. I just cannot accept the  
4 fact that I am supposed to live like this. It  
5 may not make much sense to someone who has not  
6 experienced these symptoms, but I am rotting  
7 from the inside out. I have other problems,  
8 like most people do. In fact, I might tend  
9 toward the depressive side naturally. Who  
10 knows? But this is something else. As soon  
11 as my eyes went bad, I fell into a deeper  
12 depression than I had ever experienced, and I  
13 never really came out. I could get down about  
14 things before, but I always had my health to  
15 rely on. Without that, just getting by is not  
16 enough. I can't continue living without my  
17 responsibility, my esteem and my happiness.  
18 There is nothing at all ennobling or  
19 enlightening about suffering. The more I live  
20 with this problem, the more it will warp me  
21 and the more hateful and bitter I will become.  
22 I refuse to picture myself starting a family

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1 that I won't be able to enjoy and love because  
2 one mistake has so damaged me mentally and  
3 physically. It seems reasonable at this point  
4 to say that, if this problem doesn't get  
5 resolved by the end of the summer, it never  
6 will. I've put up with this this long,  
7 because killing myself would be such a blow to  
8 those who love me. But I can't and won't  
9 continue facing this horror anymore. I am  
10 sorry for that. I am sorry for what I've done  
11 to you guys, my family and friends, but I have  
12 been living with this long enough and I have  
13 gone over and over it in my head long enough  
14 that I accept and forgive myself for my  
15 mistakes, and I hope you guys can do the same  
16 for me at some point. If it seems to have  
17 come out of nowhere, know that I have been  
18 keeping my counsel on this for a long time. I  
19 was incredibly afraid that, if anyone found  
20 out how badly I was feeling, my only escape  
21 would be cut off, and I couldn't risk having  
22 what I feel is my only dignified choice taken

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1 away from me. I obviously never meant for  
2 this to happen, but after the first mistake, I  
3 don't know that there is anything else I could  
4 have done differently to change things, and I  
5 absolutely know there is nothing you guys  
6 could have done differently. You may have  
7 trouble following this request, but I am  
8 asking that you do not blame yourselves for  
9 this. I made a choice six years ago, and I  
10 lived with that choice for as long as I could,  
11 until one day I decided I simply couldn't take  
12 it any longer.

13 Mom, Dad, Nora and all the rest,  
14 know that I enjoyed the bulk of my life,  
15 mainly because you were in it. I love you  
16 all. I'm sorry, and goodbye.

17 These are purely my observations as  
18 a layperson. I feel that people that are  
19 involved with refractive surgery need to take  
20 responsibilities for the problems they create,  
21 not just point to the successes that they  
22 have.

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1 I don't think a patient  
2 satisfaction survey, no matter how you dress  
3 it up or what else you call it, really gives  
4 anyone any information about how people are  
5 suffering. It doesn't illuminate what happens  
6 to people who have bad outcomes.

7 Colin said that it wasn't just a  
8 matter of what his high order --

9 CHAIRPERSON WEISS: Mr. Dorrian,  
10 you have -- you are very, very compelling.  
11 Thank you very much.

12 MR. DORRIAN: Thank you.

13 (Applause.)

14 CHAIRPERSON WEISS: The next  
15 speaker will be Mr. Glenn Hagele, who will  
16 also be giving the -- speaking for Sandy  
17 Keller and Barry Elbasani.

18 MR. HAGELE: I am Glenn Hagele.  
19 These are the words of Sandy Keller.

20 My name is Sandy Keller. I was a  
21 three and a half diopter myope before I had  
22 LASIK in Los Angeles in late 1999. I

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1 experienced multiple serious complications and  
2 proved through litigation that I had been a  
3 victim of malpractice and improper referral.

4 Virtually all of my pre-op testing  
5 was performed after I had taken 5 milligrams  
6 of Valium. I met my surgeon five minutes  
7 prior to my procedure, and by that time, all  
8 concerns and questions I had planned to  
9 discuss with him didn't matter to me any  
10 longer, due to the drug's effect.

11 I had dry eyes, plus my  
12 topographies demonstrated corneal warpage from  
13 25 years of hard contact lens wear.

14 My scotopic pupil size was over 8  
15 millimeters, but I was treated with an  
16 elliptical 6-millimeter ablation zone. Less  
17 than half of my dark adaptive vision was  
18 corrected with the laser. All of these issues  
19 were ignored by my surgeon.

20 During my surgery, the blade jammed  
21 in my first eye, but the surgeon didn't stop,  
22 and left a ridge which is within my dim light

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1 pupil. By 28 hours post-op, inflammation had  
2 begun to infiltrate my right cornea, which my  
3 optometrist did not recognize as Diffuse  
4 Lamellar Keratitis or DLK.

5 By one week post-op, I had Grade 4  
6 DLK, and one-third of my cornea had been  
7 digested. More or less blind in the right  
8 eye, I was finally referred back to my  
9 surgeon, who blamed my optometrist for the  
10 advanced stage of destruction.

11 At eight weeks post-op, my vision  
12 measured six diopters of hyperopia, and my  
13 surgeon performed a plus-4.7 treatment with a  
14 five to nine millimeter zone, further reducing  
15 my effective optical zone.

16 The result was a return to myopia  
17 and multiple images. Eventually, I found the  
18 website, which is now Vision Surgery Rehab  
19 Network with stories of many other patients  
20 who had been damaged by laser eye surgery.

21 I realized that I had several  
22 contraindications for LASIK. My trusted

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1 optometrist of 14 years had told me that I was  
2 an excellent candidate, and he referred me to  
3 a rookie surgeon, although I had made it clear  
4 that I would pay for the best.

5 I later discovered that he had a  
6 financial interest in the laser center I was  
7 sent to, and that he received \$1100 for  
8 referring me, although my surgeon was paid  
9 \$900 to perform the surgery.

10 The betrayal I felt was immense and  
11 disturbed me so deeply that I was unable to  
12 fall asleep at night. I would stay up until  
13 2:00 a.m. or later most nights, seeking  
14 information and emotional support on the  
15 Internet.

16 I consulted with many doctors,  
17 several of whom told me I would need a corneal  
18 transplant. I decided to file a law suit, and  
19 in their depositions, my surgeon and  
20 optometrist blamed each other for my horrible  
21 condition. My case settled out of court.

22 It was determined during the

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1 litigation that the measure size of my pupils  
2 had been altered by my surgeon when they were  
3 finally measured just prior to my second  
4 surgery. He had publicly stated that an 8  
5 millimeter is no-go for LASIK, and with my  
6 measuring above 8 millimeters in the dark, he  
7 had a bit of a problem on his hands.

8 I filed a MAUDE report via the FDA  
9 website in 2001. A few months later I  
10 discovered that the disposition was that there  
11 was no record of me, and according to the  
12 Laser Center where my surgery was performed, I  
13 didn't exist.

14 After filing the report, I was  
15 given the news that the blade jam had not  
16 caused a stop-start ridge in my eye, but since  
17 I didn't exist, I had no way to add that  
18 information to my adverse event report.

19 I subsequently had seven additional  
20 surgeries, none of which were successful in  
21 removing the wrinkles. I was able to discern  
22 at least 19 images when viewing a point of

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1 light. The small ablation zones caused  
2 intolerable glare at night.

3 I felt into deep depression over my  
4 vision problems, the betrayal of my  
5 optometrist and the incompetence of my  
6 surgeon. One night while preparing dinner, I  
7 looked at a knife on the counter, and I had  
8 the thought that if I stabbed my right eye, at  
9 least I could put aside the hope that it would  
10 ever be fixed. The thought frightened me, and  
11 I sought psychiatric help.

12 Along with severe depression, I was  
13 given a diagnosis of post-traumatic stress  
14 disorder. I worked with my psychiatrist for  
15 many months. My business suffered. I was  
16 unable to concentrate or make timely decisions  
17 on important matters. There were times that I  
18 wanted to die and rid my family of the burden  
19 I had become.

20 The hyper-correction my surgeon  
21 performed caused the DLK - I'm sorry.

22 CHAIRPERSON WEISS: If you would

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1 prefer, we can go to the next speaker.

2 MR. HAGELE: The unfortunate next  
3 speaker is me.

4 CHAIRPERSON WEISS: Well, Mr.  
5 Hagele, no problem. We can go to Mr. Morgan,  
6 and we will suspend the rules and come back to  
7 your next two talks. So no problem.

8 MR. HAGELE: Thank you, Madam  
9 Speaker.

10 CHAIRPERSON WEISS: Mr. Morgan, can  
11 you come up to the podium, please?

12 Perhaps, until I give anyone any  
13 other notification, if we can just proceed  
14 from Mr. Morgan to Mr. Shell and then, when  
15 Mr. Hagele wants to come back, he can let Ann  
16 Marie know.

17 MR. MORGAN: Ladies and gentlemen,  
18 my name is Dom Morgan. I am legally blind  
19 from my surgeon's improper use of an  
20 investigational laser, a laser sanctioned by  
21 the FDA, known to be responsible for damaging  
22 over 30 people.

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1 I had retinopathy prematurity,  
2 meaning that my retinas were structurally  
3 incomplete at birth. I was 20/50 and barely  
4 legal to drive when I had LASIK.

5 I was never a candidate. The  
6 intraocular pressure created by the suction  
7 ring destroyed my retinas. My problems are  
8 permanent. As retinal problems, they will  
9 never be addressed by contact lens. I believe  
10 my doctor knew this and did the procedure  
11 anyway. I was dropped from their clinical  
12 study. So were others.

13 Those data were never reported to  
14 the FDA. The doctor sued me, because I set up  
15 a website and told the truth.

16 I have addressed my concerns to the  
17 FDA for over five years, not only on my behalf  
18 but also on behalf of others. In 2003, I  
19 filed a petition regarding medical devices and  
20 safety of refractive surgery, which was  
21 ignored.

22 Help was offered by Ombudsman Les

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1 Weinstein, and then retracted. My concerns  
2 today are with those needlessly damaged by  
3 refractive surgery. Even with the most modern  
4 technology, there are still too many people  
5 writing me, telling of the nightmares they now  
6 live with on a daily basis.

7 I received several hundred e-mails  
8 this past year from people seeking help. Many  
9 of those are depressed. Some of them have  
10 confided that they want to commit suicide, and  
11 this is just to one website.

12 Having corresponded with many of  
13 those patients, I believe they are just  
14 ordinary people caught in unusual  
15 circumstances. There is nothing remarkable  
16 about them, certainly nothing to suggest  
17 perfectionism or any of the other reasons that  
18 some LASIK doctors use to excuse their own bad  
19 results.

20 The FDA's capacity to oversee the  
21 refractive surgery industry is, in my opinion,  
22 no different than the doctors who have

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1 tarnished it. The FDA has been ineffective in  
2 overseeing investigational studies,  
3 ineffective in enforcing the policies mandated  
4 for the industry, and ineffective in providing  
5 thus far the protection that many of us here  
6 today should have had.

7 Everyone in this room today is here  
8 for a reason. Please do not allow what is  
9 presented to you to continue falling on deaf  
10 ears. The public must depend on government  
11 agencies like the FDA to protect them.

12 In a recent press release, ASCRS  
13 volunteered to contribute funding for the FDA  
14 study on LASIK complications and quality of  
15 life. The FDA has already received copious  
16 amounts of criticism, because of funding  
17 received from the pharmaceutical industry.

18 Essentially, industry funds the  
19 FDA, which creates conflicts of interest. I  
20 ask the Panel how funding received from ASCRS  
21 is any different.

22 Most of the patients who have e-

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1 mailed my website feel deceived and lied to by  
2 surgeons who have exploited the public  
3 perception that doctors are healers. Why  
4 should damaged patients trust an organization  
5 of such surgeons any more than they trusted  
6 their own surgeon?

7           Included with my submission today,  
8 I would like to emphasize there are two  
9 letters written to the FDA which are already  
10 public record. These letters apply not only  
11 to me but many others.

12           The letter written by Dr. Stephen  
13 Friedman to the FDA's Office of Criminal  
14 Investigation summarizes not only my  
15 experience and, I believe, the outright  
16 criminal activity of my doctors, but also  
17 explains why the civil justice system does not  
18 work.

19           The letter written by Dr. James  
20 Salz, respected laser surgeon and principal  
21 investigator for past FDA studies, emphasizes  
22 that I was not a proper candidate for LASIK,

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1 and tells why.

2 Also included are a few documents  
3 and previous correspondence I sent to the FDA.

4 I believe this further supports what I just  
5 outlined. My story, and more, can be found at  
6 [lasikdecision.com](http://lasikdecision.com).

7 I ask the Panel to recommend that  
8 FDA conduct its own independent and unbiased  
9 study, survey damaged LASIK patients  
10 nationwide and ask how many feel lied-to by  
11 their LASIK doctors. Conducted without  
12 funding from the industry, the results might  
13 be believable.

14 I would also ask that the Criminal  
15 Division of the FDA conduct an investigation  
16 of specific doctors, such as mine, in regard  
17 to their actions in dealing with many of us.

18 I think a moratorium on advertising  
19 by doctors is an intriguing idea, as well.

20 So much is made on patient  
21 selection, but more should be done on doctor  
22 selection, maybe a website listing doctor

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1 qualifications in the standardized, verified  
2 format.

3 Thank you for your time, and I  
4 would gladly post any presentation unedited on  
5 my website.

6 CHAIRPERSON WEISS: Mr. David Shell  
7 is our next speaker.

8 MR. SHELL: Ladies and gentlemen, I  
9 am David Shell. I elected to have LASIK eye  
10 surgery for farsightedness in October of 1998,  
11 the worst day of my life. In one short  
12 procedure, my eyesight was needlessly damaged  
13 in both eyes.

14 I went from a healthy, happy,  
15 physically active, skilled engineer with a  
16 bright life and career ahead of him to a man  
17 able to work only with near-constant eye pain  
18 and strain, who now has difficulty reading due  
19 to double vision, who can no longer view a TV  
20 or computer monitor comfortably and clearly,  
21 who is reluctant to drive at night, into a man  
22 who has been diagnosed with clinical

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1 depression.

2 For the record, my eyes were  
3 problem free for 50 years. I had crisp, clear  
4 vision during the day and night with the aid  
5 of a simple pair of glasses. Since LASIK, I  
6 am visually handicapped by double vision,  
7 starbursts, glare, fluctuating vision,  
8 floaters, and impaired vision in dim light.  
9 And that is with my glasses or rigid contact  
10 lenses. I have not experienced a moment of  
11 crisp, clear, good quality vision since my  
12 surgery with any form of correction.

13 What do these visual quirks look  
14 like? Well, they say a picture is worth a  
15 thousand words. This is a standard E chart,  
16 standard Snellen Eye Chart. These are ghosted  
17 eye charts. My double vision looks like this  
18 chart.

19 This is the way I see when driving.

20 I have starbursts in my eyes. These are what  
21 the headlights look like, before LASIK and  
22 after LASIK.

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1                   This is what I see when I am  
2 walking with someone special at night. I see  
3 multiple moons. Anybody want to have LASIK  
4 now?

5                   So you see, my quality of life  
6 after -- and ability to perform the activities  
7 of daily living such as driving, career,  
8 hobbies and sports after LASIK has severely  
9 been compromised.

10                  In August of 2002 I testified  
11 before the FDA concerning my LASIK-induced dry  
12 eye. At that time, I chose to focus my  
13 testimony on this relatively common and life-  
14 altering complication.

15                  My LASIK dry eye is a burning  
16 and/or stinging type of pain in your eye,  
17 similar magnitude to an ant sting or shampoo  
18 in your eye. While this condition comes and  
19 goes for me, it can be maddening at times. My  
20 eyes never feel comfortable.

21                  I have seen the best ocular surface  
22 dryness experts in the country. I have tried

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1 everything from eye plugs to fish oil. To  
2 date, no treatment for my LASIK-induced dry  
3 eyes has been beneficial to any meaningful  
4 degree.

5 I am back today to tell you that 10  
6 years have passed, and I still suffer from  
7 this problem. I recommend the FDA reclassify  
8 such life-altering effects as complications.

9 Failed LASIK eye surgery may affect  
10 all aspects of a patient's physical and mental  
11 health.

12 For example, my LASIK-induced dry  
13 eye destroyed my ability to obtain a full,  
14 restful night of sleep. I typically wake up  
15 three to five times during the night because  
16 of the burning and stinging in my eyes. I  
17 must apply ointment to my eyes to reduce the  
18 pain.

19 Failed LASIK eye surgery may  
20 trigger clinical depression. I was never  
21 depressed in my life until I had LASIK eye  
22 surgery. I had to endure two major health

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1 crises in a short period of time.

2 Ladies and gentlemen, whether you  
3 pick the best surgeon, do your homework, or  
4 make sure you are a good candidate, LASIK  
5 surgery has inherent problems due to the  
6 nature of the procedure.

7 All eyes have weakened corneas.  
8 All eyes have severed corneal nerves that  
9 don't grow back fully. All eyes have higher  
10 order aberrations, and so on and so on. This  
11 happens, whether a patient likes their outcome  
12 or not.

13 I believe too many Americans have  
14 been harmed by this procedure, and it is about  
15 time this message is heard.

16 What I am looking for: first, I  
17 think it is imperative that the FDA conduct  
18 its own investigation independent of any  
19 individual or group with financial interests  
20 in the LASIK procedure.

21 Secondly, reclassify LASIK-induced  
22 dry eye and visual quality issues such as

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1 double vision, starbursts, glare, ghosts as  
2 serious complications of LASIK, not as  
3 symptoms or side effects.

4 Finally, that the FDA should take  
5 another look at the safety and effectiveness  
6 of LASIK over the decade that has passed since  
7 LASIK was introduced. I believe there is now  
8 solid scientific evidence that indicates this  
9 procedure is not all that safe. Thank you.

10 CHAIRPERSON WEISS: Thank you. Mr.  
11 Glenn Hagele will now give the presentation  
12 for Sandy Keller.

13 MR. HAGELE: Actually, I am going  
14 to go ahead and make the presentation for  
15 Barry Elbasani.

16 CHAIRPERSON WEISS: Okay. Very  
17 good. Thank you.

18 MR. HAGELE: Thank you for time to  
19 gather my composure.

20 This is the presentation of Barry  
21 Elbasani, a focus on independence. These are  
22 his words.

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1 I appreciate the FDA Devices Panel  
2 allowing me to present the story of how LASIK  
3 has affected my quality of life. Corrective  
4 lenses have always been a bit of a nuisance,  
5 but they were tolerable until the summer of  
6 2002 when a swimming pool accident left me a  
7 quadriplegic. I am paralyzed from the chest  
8 down with limited mobility of my arms.

9 Many tasks that I took for granted  
10 became impossible or difficult. In the course  
11 of the day, there are an average of 50 things  
12 I need help with: Drop a cellphone; your  
13 shoelace is untied; buttons, zippers; on and  
14 on, you name it.

15 Glasses are one of those things  
16 that tend to be huge. Not being able to see  
17 compounds my physical limitations. Each  
18 morning I would need someone to put my glasses  
19 on. If I dropped my glasses, someone would  
20 need to find them and put them on for me.

21 Let's say I'm driving my vehicle  
22 and wearing my glasses. If they come off, get

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1 a smear or anything, I don't have a free hand  
2 to mess with them, because I need both hands  
3 to operate my van.

4 As I have recovered and adapted, I  
5 have learned many new ways to do things, but  
6 just as important is eliminating things to do.

7 Each is a measurable event that helps you  
8 become more independent.

9 I had considered LASIK, but the  
10 cost was prohibitive. Then one day I read an  
11 article about a Kansas City LASIK doctor who  
12 said that he wanted to reach out and help the  
13 community. I decided to put that offer to a  
14 test.

15 I will play a brief news article.

16 (Video played.)

17 CHAIRPERSON WEISS: I think the  
18 microphone may have turned off. If you could  
19 move the microphone slightly toward your  
20 computer, it might help the audience to hear.

21 VIDEO NEWS ARTICLE: -- Barry  
22 Elbasani always wore contact lenses. He never

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1 had trouble with them. Then a year ago a  
2 swimming pool accident left Barry paralyzed,  
3 with no use of his legs, limited use of his  
4 arms and hands.

5 Barry soon realized his contacts  
6 were going to be a problem. "Probably the  
7 first time my Dad was in the restroom putting  
8 my contacts in, and I was yelling at him, and  
9 when it fell on the floor, it was tough."

10 And glasses? Barry had trouble  
11 putting them on, adjusting them, and hated  
12 that others had to do it for him. "I've had  
13 this done myself; so I know what it's like."  
14 Lucky for Barry, Dr. Daniel Durrie had been  
15 thinking about this problem after seeing actor  
16 Christopher Reeve on TV. "I just looked at  
17 him and said how did he get his glasses on and  
18 off, and here is somebody, Superman on  
19 television, having to ask a friend or somebody  
20 to take his glasses on and off, when we have  
21 the tools nowadays to help people like that."

22 You see, Dr. Durrie is a nationally

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1 known specialist in vision correction. He  
2 practices in Overland Park. Barry heard that  
3 Dr. Durrie would do LASIK surgery for people  
4 whose arms are paralyzed, and the \$4500  
5 operation would be free. "What he has done  
6 for me, I can never thank him, and that is  
7 very, very exciting."

8 Dr. Durrie cuts a flap on the eye,  
9 then uses a laser to flatten the cornea in one  
10 eye, then the other. Barry's dad looks on,  
11 thinking pretty amazing. It took only minutes  
12 to do what Barry had wanted done for a year,  
13 to say goodbye to his contacts and glasses.

14 Dr. Durrie gets a hug from Barry's  
15 dad, and Barry gets more freedom, something he  
16 wants for others who are paralyzed. "That's  
17 my goal, as many people as we can get the word  
18 out to," letting them know that a farsighted  
19 doctor can help them focus on independence.  
20 Melanie McCain, Fox 4 News, Overland park.

21 MR. HAGELE: Since LASIK, I don't  
22 have limitations with my eyes. I see 20/10,

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1 and it is an amazing gift. It is a gift I  
2 want available to other quadriplegics. So Dr.  
3 Durrie and I founded the nonprofit, Focus On  
4 Independence.

5           Funded by small personal donations,  
6 Focus On Independence helps quadriplegics get  
7 LASIK from doctors who donate their time and  
8 expenses. Already, more than four dozen  
9 quadriplegics are free of the limitations of  
10 glasses through Focus On Independence. Our  
11 website is [www.focusonindependence.org](http://www.focusonindependence.org).

12           I no longer fear my glasses falling  
13 off. I no longer need to have someone put the  
14 contacts lens in, and I no longer need to  
15 worry about what to do if I get dust  
16 underneath one. I may have my limitations,  
17 but thanks to LASIK, bad vision is not one of  
18 them.

19           When you measure a quality of life  
20 by what others may consider small acts,  
21 freedom from glasses is huge. LASIK has made  
22 my life better, and Focus On Independence aims

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1 to do the same for others.

2 Thank you for your time.

3 Those are the words of Barry  
4 Elbasani.

5 CHAIRPERSON WEISS: Thank you. Now  
6 you are going to go to your last portion, Mr.  
7 Hagele?

8 MR. HAGELE: Yes. These are  
9 actually my words.

10 I am Glenn Hagele. I am the  
11 Executive Director of the Council for  
12 Refractive Surgery Quality Assurance. By way  
13 of disclosure, I have no financial interest in  
14 any medical devices. We are a nonprofit  
15 organization, but our funding comes from  
16 certification fees.

17 We provide surgeon certification.  
18 We distribute objective patient information,  
19 including our 50 Tough Questions for Your  
20 LASIK Doctor, and the opinions expressed here  
21 are not necessarily those of the people who  
22 finance this or those who have been certified

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1 by us.

2 We are known primarily for our  
3 website at usaeyes.org. In fact, we are known  
4 mostly as USAEyes.

5 Quality of life has always been the  
6 yardstick by which LASIK patients have  
7 measured failure or success. It is not  
8 Snellen 20/20. It is not a refraction. It is  
9 not any objective measurement. It is always  
10 how LASIK affects the patient's life.

11 Procedure and device evaluation  
12 chart data is viable, but it is limited. We  
13 decided about two years ago to move from  
14 doctor's chart to patient's opinion. Our  
15 research found that there are three primary  
16 factors on which success or failure of LASIK  
17 is based: expectations, expectations, and  
18 expectations.

19 If the patient is not fully  
20 informed and doesn't know what to expect, or  
21 if the patient's expectations are  
22 unreasonable, or if the patient doesn't get

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1 what is expected, you are going to have an  
2 upset patient.

3 Madam Chairperson, with your  
4 permission, how many people are here because  
5 of bad LASIK? Now those of you who have just  
6 raised your hand, if you had what you expected  
7 from LASIK, would you be here testifying to  
8 the FDA how great your vision is? Exactly.

9 Are patients getting what they  
10 expect from LASIK and their doctor? That is  
11 the ultimate question. We developed the  
12 USAEyes CORE survey. That is short for  
13 Confidence Opinion Relative to Expectation.

14 The survey is structured with as  
15 expected as the baseline. So we have as  
16 expected and degrees of better than expected  
17 or worse than expected.

18 The survey is multi-center. We  
19 currently have six surgeons. We are  
20 expanding. It is a retrospective patient  
21 opinion survey. Patients are consecutive.  
22 All types of refractive surgery, including

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1 lens, laser and mechanical. Patients are  
2 targeted for sickness post-op.

3 They are mailed hard copies of the  
4 survey. Responses are mailed directly to our  
5 organization. Patient anonymity is provided.

6 We have mailed 1800 surveys thus  
7 far. That is 300 for each of the surgeons,  
8 from March 8 to April 16. Yes, that is about  
9 a week ago. We have already received 553  
10 responses, which is a 31 percent response  
11 rate.

12 We have excluded for the purposes  
13 of this report those that reported they were  
14 less than six months post-op, that had prior  
15 ocular surgery, and those that had non-LASIK  
16 procedures, which gives us 462 eligible, which  
17 is a healthy 26 percent response rate.

18 This is preliminary data. We are  
19 still receiving surgery responses. Gender,  
20 mostly female, mostly myopes. Several had  
21 astigmatism, and the pre-op use of reading  
22 glasses -- this is important. We had 40

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1 percent of the people who are reporting the  
2 effects of presbyopia.

3 So we, of course, talk about  
4 monovision. Seventeen percent specifically  
5 selected monovision, 17 percent specifically  
6 declined monovision. Seventy-eight percent of  
7 the patients are 6 to 18 months post-op,  
8 relative recent patients. This is the target  
9 we are looking for.

10 Post-op use of corrective lenses,  
11 including reading glasses. That is important.

12 Eighty-nine percent are seldom or are never  
13 wearing corrective lenses. Is this what they  
14 expected? By and large, it is.

15 Ninety-six percent wear corrective  
16 lenses as frequently or less frequently than  
17 they had expected. Post-op day vision: 98  
18 percent say their quality of day vision is as  
19 expected or better. Night vision: 91 percent.

20 That is a seven percent drop.

21 Pre-op vision with lenses versus  
22 post-op vision without lenses: 96 percent

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1 post-op compared to pre-op, expected or  
2 better. Post-op overall quality of vision:  
3 96 percent overall quality of vision is as  
4 expected or better.

5           Quality of life -- this is the  
6 reason that we are here: 99 percent of the  
7 people who reported stated that their quality  
8 of life is as expected, better or much better.

9           Nine-tenths of one percent said it was worse  
10 than expected, and none in this cohort stated  
11 that it was much worse than expected.

12           Would you have surgery now? Always  
13 a good barometer. 97 percent would have  
14 surgery now.

15           Would you recommend surgery? 98  
16 percent would recommend surgery. Apparently  
17 one percent would rather recommend than do.

18           Now we have a lot of detailed  
19 information on the different incidents of the  
20 adverse events, such as dry eyes, ghosting,  
21 but I am going to focus, because of time  
22 constraints, just on people who report they

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1 have complications.

2 We have 91 percent stating that  
3 either they didn't have complications or they  
4 had complications that had been resolved. But  
5 we have identified a very unique group, an  
6 important group here, and I am going to run  
7 right through this.

8 There's seven percent who said that  
9 they had complications, but they are seldom  
10 problematic. We drilled down, took a look.  
11 Ninety-one percent of these people -- this is  
12 the seven percent who have problems that are  
13 seldom problematic -- would have surgery  
14 again.

15 So in summary, I am not going to go  
16 through all of these numbers, and all of this  
17 data has been provided to the Panel. But what  
18 we do have, basically, is the quality of life  
19 is much higher than I would have ever  
20 expected.

21 I think that -- I have five  
22 seconds. I think what is going to be

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1 important is, if the FDA is going to look at  
2 quality of life, don't look at that alone,  
3 because it appears, at least in our study, to  
4 have much higher positive results than other  
5 qualifying factors.

6 CHAIRPERSON WEISS: Thank you. Our  
7 next speaker will be Diana Zuckerman.

8 DR. ZUCKERMAN: Hi. I am Dr. Diana  
9 Zuckerman. I am President of the National  
10 Research Center for Women and Families. We  
11 are a nonprofit organization that is focused  
12 on using research to improve programs and  
13 policies that affect the health and safety of  
14 adults and children, and we particularly focus  
15 on FDA issues.

16 I am also a Fellow at the Center  
17 for Bioethics at the University of  
18 Pennsylvania.

19 I am trained in epidemiology at  
20 Yale, and so I am going to use my scientific  
21 perspective, not just -- I will be talking  
22 about some of the research findings, but also

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1 to put in perspective all the individual  
2 stories that you are going to be hearing  
3 today, because it is that pattern that is  
4 really very important and an important part of  
5 epidemiology, not just the data.

6 I actually do want to start out by  
7 saying that in my training as a psychologist  
8 and an epidemiologist, there's a lot of  
9 problems with self-reports, the kind of  
10 subjective research that you have just heard  
11 about.

12 The FDA's mission, as you know, is  
13 to ensure the safety and effectiveness of  
14 medical products. When we think about LASIK  
15 surgery, we have to think of the context, and  
16 that is that there are safe and readily  
17 available and less expensive alternatives,  
18 namely contact lenses and glasses.

19 Now it is clear, and it will be  
20 even more clear as the day goes on, that there  
21 are many patients that have been harmed by  
22 LASIK. So the question is what are those

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1 benefits, and what are the risks?

2           There's very good information on  
3 the FDA website about the risks, but who reads  
4 the FDA website? So as this Advisory  
5 Committee is looking and asked about what  
6 should be on the FDA website, please keep in  
7 mind and remind the FDA that there are other  
8 mechanisms that are more effective at getting  
9 information to patients than the FDA website,  
10 and then product labeling.

11           Even though the FDA website has  
12 good information, there are problems with it.

13           Parts of it are very difficult to navigate,  
14 and particularly the parts that have to do  
15 with individual devices, individual LASIK  
16 devices. That information is really not  
17 appropriate for patients.

18           It does not seem to be geared  
19 toward patients, and even the patient booklets  
20 that are available on the website and that  
21 apparently are available through device  
22 manufacturers are really not designed to help

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1 patients. They are much too long. They are  
2 much too sophisticated in their use of  
3 language, and frankly, they look like grad  
4 student homework assignments.

5 So they are not really designed to  
6 be read, because if they were, they wouldn't  
7 start out with a rather complicated biology  
8 lesson about the eye. So to be blunt, they  
9 seem to be -- These patient booklets seem to  
10 be designed to satisfy somebody at the FDA who  
11 doesn't actually care whether any patient will  
12 actually read or understand these booklets.

13 I want to conclude my remarks by  
14 commenting on the questions that you are going  
15 to be addressing today, because there are  
16 several adverse reactions that really don't  
17 seem to be part of those questions that you  
18 are talking about, but they should be, and I  
19 hope you will make sure that they are.

20 Most important is eye pain and dry  
21 eye, which you have heard some about. Dry  
22 eyes are the most common complication from

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1 LASIK. The most recent research shows that  
2 half the patients have adverse reactions like  
3 dry eye during the first week of surgery, but  
4 that 20 percent persisted six months. And  
5 these problems are more likely among women  
6 patients and those with attempting higher  
7 corrections.

8 Eye pain can be caused by dry eye  
9 or it can come from other causes, but  
10 whatever, it is terribly debilitating, and  
11 these are serious complications that really  
12 need to be included in the advice that you are  
13 going to be giving today.

14 The need for additional surgery is  
15 also very important, and something that has to  
16 be studied appropriately. Research that was  
17 just published this year in the American  
18 Journal of Ophthalmology reported that 28  
19 percent -- 28 percent of eyes corrected  
20 through LASIK needed re-treatment within 10  
21 years because of either under-correction,  
22 over-correction or regression, and that is 28

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1 percent of the eyes, and it is even higher if  
2 you look at the patients. It is 35 percent of  
3 the patients. That's a very high percentage,  
4 and patients need to have that kind of  
5 information before they make any kind of  
6 decisions.

7           The possibility of a higher suicide  
8 rate among patients has been raised, and will  
9 be raised. More research and really good  
10 quality objective scientific research is  
11 needed.

12           I tried to get that information. I  
13 contacted Emory University, but was not able  
14 to get better information about that research,  
15 which has not been published.

16           Overall, patients do not seem to  
17 have informed consent when they have LASIK  
18 surgery --

19           CHAIRPERSON WEISS: Would you be  
20 able to --

21           DR. ZUCKERMAN; Yes, I will.

22           CHAIRPERSON WEISS: Thanks.

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1 DR. ZUCKERMAN; Part of the reason  
2 is lack of data, but it is also because, as we  
3 know, health professionals tend to focus on  
4 the consent part of informed consent, not the  
5 informed part.

6 Informed consent is a process. It  
7 is not a piece of paper. Even the best --  
8 will be undermined if -- agree with what is  
9 there. So I hope that you will address  
10 informed consent today, and I'm happy to  
11 answer any questions.

12 CHAIRPERSON WEISS: Not at this  
13 time. Thank you very much.

14 We are going to now move on to Dr.  
15 Burch. We are beginning to run over a little  
16 bit, and I would like to remind the speakers  
17 that the yellow light, one minute; at the red  
18 light, you are done. Thank you.

19 DR. BURCH: I appreciate the  
20 opportunity to speak at this FDA hearing on  
21 post market LASIK issues.

22 My name is Lauranell Burch. I have

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1 a PhD in molecular biology and genetics and  
2 have been -- Am I not speaking in the  
3 microphone? Sorry. -- and have been a medical  
4 researcher for over 20 years. I am trained to  
5 design, conduct and review medical research  
6 studies.

7 I come here today as a private  
8 citizen with no financial interests to report.

9 We are all aware of recent media  
10 attempts by the LASIK industry to reframe the  
11 discussion of these hearings around post-LASIK  
12 satisfaction and quality of life issues.

13 The public should be made aware  
14 that the proposed task force to examine post-  
15 LASIK quality of life issues is dominated by  
16 individuals with conflicts in interests. One  
17 of these individuals, Dr. Kerry Solomon, was  
18 quoted this week by ABC News regarding this  
19 meeting, saying this is not about safety and  
20 effectiveness of LASIK at all.

21 If there were no serious concerns  
22 about the safety and effectiveness of LASIK,

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1 we wouldn't be here today. What is most  
2 important for all of us to consider now is the  
3 growing body of evidence accumulating in peer  
4 reviewed ophthalmology journals that indicate  
5 that LASIK is a harmful procedure.

6 Despite claims made by surgeons in  
7 the industry about patient satisfaction,  
8 today's happy 20/20 LASIK patients are often  
9 today's dangerous drivers on our highways at  
10 night due to LASIK induced loss of contrast  
11 sensitivity, and may ultimately experience  
12 debilitating late onset complications of  
13 LASIK.

14 Patients who report that they are  
15 currently happy with the LASIK procedure  
16 likely have no idea of the nature and extent  
17 of the damage they incurred during the LASIK  
18 procedure, and the consequences of this damage  
19 for their future ocular health and vision.

20 I believe that no patient would  
21 want this surgery if they fully understood its  
22 consequences.

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1           Here is a short list of permanent  
2 adverse effects of LASIK eye surgery. Number  
3 one, the flap never heals. It just seals it  
4 better on the edges like a Tupperware lid,  
5 leading patients who have had LASIK  
6 susceptible to traumatic flap injury for life.

7           Number two: LASIK separates the  
8 stronger anterior corner, leaving only the  
9 weaker posterior cornea to support the  
10 intraocular pressure of the eye. This can  
11 lead to corneal ectasia and corneal failure  
12 months or years after the surgery.

13           Number three: LASIK causes  
14 permanent pathologic changes in all corneas.  
15 According to an Emory University study that  
16 examined post mortem LASIK corneas, a spectrum  
17 of abnormal histopathologic and  
18 ultrastructural findings was present in all  
19 corneas.

20           Some examples of these findings  
21 include: Deranged and disordered collagen  
22 fibers, granules under the flap, and

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1 epithelial ingrowth under the flap.

2           Number four: There is no evidence  
3 that corneal nerves ever fully regenerate to  
4 their normal patterns and density after LASIK.

5           Number five: LASIK complicates  
6 future cataract surgery.

7           Number six: LASIK invalidates  
8 intraocular pressure motion which is critical  
9 in the diagnosis of glaucoma.

10           Number seven: Perhaps gravest of  
11 all, Mayo Clinic researchers recently found  
12 that all patients undergoing laser corneal  
13 refractive surgeries lose coracite or corneal  
14 stromal cell density at higher rates even  
15 years after surgery.

16           Apparently, excimer laser ablation  
17 to corneal stroma results in progressive cell  
18 loss in the cornea. In a peer discussion  
19 following this study, LASIK surgeon Dr. Roger  
20 S. Steiner commented, and I quote him, "One  
21 can speculate that this loss might lead to  
22 corneal ectasia."

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1                   Clearly,     patient     satisfaction  
2     surveys   are   no   substitute   for   objective,  
3     quantitative   testing,   particularly   when   the  
4     technology   for   performing   objective   tests   is  
5     widely   available.

6                   I   ask   that   the   FDA   abandon   the  
7     proposed   quality   of   life   study   in   favor   of   a  
8     study   which   objectively   and   quantitatively  
9     measures   aspects   of   post-LASIK   dry   eye   disease  
10    and   post-LASIK   visual   quality.

11                   These   studies   can   be   performed   on  
12    existing   patient   populations   with   unoperated  
13    eyes   serving   as   controls.   Withdrawal   of   FDA  
14    approval   for   the   LASIK   procedure   should   take  
15    place   immediately   pending   the   outcome   of   these  
16    studies.

17                   Only   then   will   the   FDA   be   able   to  
18    achieve   evidenced   based   policy   about   corneal  
19    or   refractive   surgery   devices,   and   only   then  
20    will   the   public   receive   the   benefits   of  
21    evidence   based   medicine.   Thank   you.

22                   (Applause.)

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1 CHAIRPERSON WEISS: Thank you. Our  
2 next speaker will be Dr. Burch, Dr. Lauranell  
3 Burch. Sorry, excuse me. Mr. Matt  
4 Kotsovolos.

5 MR. KOTSOVOLOS: Thank you. My  
6 name is Matt Kotsovolos. I had LASIK surgery  
7 in 2006 using the current IntraLase Wavefront  
8 technology. At the time of my LASIK, I was  
9 the Chief Financial Officer at the Duke eye  
10 Center in Durham, North Carolina.

11 My surgery was considered a success  
12 based on my uncorrected visual acuity now  
13 being 20/20. However, for the last two years  
14 I have suffered from debilitating and  
15 unremitting eye pain as a result of LASIK.

16 The public hears LASIK complication  
17 rates quoted by the LASIK industry as ranging  
18 from between one to three percent. What the  
19 public doesn't know, because the LASIK  
20 industry markets this surgery in a most  
21 unethical way, is that the complication rate  
22 is likely in the 20 to 30 percent range.

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1 Data from the FDA clinical trials  
2 for LASIK reveals that the FDA allows laser  
3 manufacturers to hide complications such as  
4 dry eyes and impaired night vision by  
5 reporting these as, quote, "symptoms." The  
6 overall percentage of patients reporting these  
7 complications in the FDA trials is  
8 approximately 20 percent.

9 In April 2007, researchers from  
10 Ohio State University College of Optometry  
11 published results from a review of FDA  
12 clinical trials of the 12 lasers approved for  
13 LASIK between 1998 and 2004, including newer  
14 wavefront technology. They reported that six  
15 months after LASIK, roughly 20 percent of  
16 patients experienced worse or significantly  
17 worse dry eyes, and six months after LASIK  
18 roughly 15 percent experienced worse or  
19 significantly worse night vision disturbances.

20 Recently, the LASIK industry has  
21 hired a media consulting firm in its mass  
22 circulated results of a global LASIK patient

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1 satisfaction rate of 95.4 percent. The LASIK  
2 industry wants the public to believe that a  
3 high satisfaction rate indicates a low  
4 complication rate. However, being satisfied  
5 with one's visual outcome and being free of  
6 complications are two entirely different  
7 matters.

8 Dr. Leo Maquire once wrote the  
9 following in an ophthalmology editorial: "The  
10 kerato-refractive literature contains  
11 disturbing examples of patients who have  
12 visual handicaps that place themselves and  
13 others at significant risk for nighttime  
14 driving accidents, and yet they are happy with  
15 their results."

16 One of the most perplexing cases of  
17 patient satisfaction comes from a 2007 report  
18 of a patient who developed bilateral ectasia,  
19 a serious sight-threatening complication which  
20 may require corneal transplantation, who was  
21 reportedly satisfied with his surgery.

22 As illustrated, patients can suffer

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1 significantly complications or "symptoms," and  
2 still claim to be satisfied patients. Patient  
3 satisfaction surveys in LASIK are guaranteed  
4 to lead to skewed results and significant  
5 false positive data.

6 In addition, there is enough  
7 evidence for the FDA to investigate that shows  
8 the effects of devastating and irreversible  
9 physical complications from bad LASIK outcomes  
10 often leads to clinical depression.

11 Clinical depression can lead to  
12 suicidal ideation. The length between bad  
13 LASIK outcomes and suicidal ideation is real.

14 The link is further evidenced by true stories  
15 of LASIK patients taking their own lives and  
16 leaving suicide notes behind that detail their  
17 struggles due to debilitating post-LASIK  
18 complications.

19 I have met plenty of people who are  
20 depressed and considering suicide because of  
21 complications that are currently buried in the  
22 device labeling and classified as symptoms or

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1 side effects. How is it that patients want to  
2 commit suicide because of side effects?

3 Can the Panel before us today  
4 explain this? Why was there no research into  
5 what constitutes a symptom, and what  
6 constitutes a complication? Was it so that  
7 the LASIK industry could obtain approval for  
8 medical devices that otherwise would never  
9 have seen the light of day?

10 Patients do not want to continue to  
11 exist as helpless victims with no solutions  
12 and no voice. The LASIK industry wants to use  
13 the upcoming quality of life study that will  
14 not commence until sometime in 2009 to stall  
15 for an extended period of time. The time for  
16 stalling is over.

17 I urge the FDA Advisory Panel to  
18 recommend placing a moratorium on LASIK until  
19 a proper comprehensive study of long term  
20 LASIK patient complications and symptoms,  
21 including clinical depression, is completed.

22 I ask the FDA to change the

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1 labeling for lasers for LASIK once this  
2 moratorium is lifted, to report dry eyes and  
3 night vision disturbances as complications and  
4 not symptoms. Both of these so called  
5 symptoms can last for a patient's entire post-  
6 LASIK lifetime.

7 Those who are familiar with the  
8 phenomena of deep capture understand that over  
9 time regulatory agencies end up being  
10 controlled by the very industries they are  
11 supposed to regulate. The FDA is now  
12 controlled and works for the benefit of the  
13 LASIK surgeons and LASIK manufacturers.

14 This is easily illustrated by an  
15 ASCRS press release on April 7, 2008, a full  
16 two weeks before today's hearing. In that  
17 press release, the FDA stated that LASIK is  
18 safe and effective.

19 Clearly, the fix is in. ASCRS  
20 would not have issued such a --

21 CHAIRPERSON WEISS: Can you please  
22 start closing your remarks?

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1 MR. KOTSOVOLOS: Yes, thank you.  
2 Clearly, the fix is in. ASCRS would not have  
3 issued such a press release, had they not  
4 known in advance that the FDA was going to  
5 dismiss --

6 CHAIRPERSON WEISS: We are going on  
7 to our next speaker, please. Thank you.

8 (Applause.)

9 CHAIRPERSON WEISS: Our next  
10 speaker is Beth Kotsovolos. Again, I would  
11 urge the speakers to stop at the red light.  
12 Otherwise, I will be cutting off your  
13 presentation.

14 MS. KOTSOVOLOS: My name is Beth  
15 Kotsovolos, and Matthew, obviously, the  
16 previous speaker, is my husband.

17 When you look upon my husband and  
18 myself, you may not see the battle scars of  
19 the past two years, but they are there.  
20 Despair, depression, disbelieve, anger,  
21 suicidal ideation, and post-traumatic stress  
22 disorder. They are there.

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1                   To put it bluntly, the post-LASIK  
2 symptoms of severe dry eye and unremitting eye  
3 pain almost destroyed our family. My children  
4 almost lost their father.

5                   As I look upon the Panel today, I  
6 see that many of you are LASIK surgeons or  
7 have close ties to LASIK surgeons. I truly,  
8 truly hope that today you can put your vested  
9 ties with LASIK aside and be objective, and  
10 really listen to what we have to say, the  
11 people who have walked in the shoes of LASIK  
12 failure.

13                  So I ask the media now that you  
14 hold the FDA accountable for their decisions  
15 regarding whether or not the minority matter.

16                  I also ask the media to not stop here, and to  
17 continue investigating the stories of LASIK  
18 failures and shine the light on the link  
19 between bad LASIK outcomes and suicidal  
20 ideation.

21                  Think of the numbers of LASIK  
22 surgeries that are done annually. Based on

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1 the complication rates stated, LASIK is  
2 destroying thousands and thousands of patients  
3 and family lives. How many will it take for  
4 you to recognize that LASIK cannot continue in  
5 its current form?

6 I spoke to a gentleman by the name  
7 of Roger from Wisconsin. His brother, Robert,  
8 was a great outdoorsman. He was a champion at  
9 pack burro racing.

10 Robert kept a journal in his last  
11 months before he took his life. He wrote that  
12 the constant unremitting eye pain, burning,  
13 post-LASIK was unbearable. He said that the  
14 pain was too much to overcome. He couldn't  
15 live that way anymore.

16 A young doctor who had LASIK in the  
17 summer of 2003 committed suicide in September  
18 of 2004. This doctor consulted with many  
19 physicians in search of solutions to his post-  
20 LASIK visual disturbances. He committed  
21 suicide after realizing that the solutions to  
22 his physical post-LASIK complications were

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1 nonexistent.

2 Major Eric J. Rupert is a military  
3 physician serving in Iraq. His LASIK surgery  
4 was done in July of 2003. He states, "I  
5 strongly believe that the loss of tear  
6 function which is deemed an acceptable  
7 downside to LASIK surgery is, in fact, not at  
8 all acceptable for many people who lead active  
9 lifestyles."

10 Finally, Linda Knuckles had LASIK  
11 surgery in January of 2007. She went from  
12 doctor to doctor in her city and experts long  
13 distance, trying to find help to get her life  
14 back. Linda states in her testimonial, "I  
15 could not escape the intense burning, even  
16 with my eyes closed. I didn't want to get out  
17 of bed anymore and face the day. If this is  
18 what my life was going to be like, I wasn't  
19 even sure I wanted to go on living. I began  
20 to think about death being the only escape  
21 from misery. Along with the guilt of choosing  
22 to have the ill-fated elective surgery, I had

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1 to live with the guilt of what effect this was  
2 having on my husband and children. I was an  
3 empty shell of my pre-LASIK self in my own  
4 personal hell."

5 As I read those words for the first  
6 time, I was astounded as to how very similar  
7 her words were to my husband's, and listening  
8 to all the testimonials today again it is just  
9 over and over I am hearing the same thing from  
10 LASIK patients who have similar complications.

11 Linda goes on further to explain:  
12 "Ten years ago I had cancer. Although it was  
13 scary and difficult, I got through the surgery  
14 and treatment without needing any anti-  
15 depressants. In 20 minutes, as the  
16 advertisers say, all of our lives were  
17 permanently altered."

18 It is time for the FDA to stand up  
19 and protect the public for whom it is  
20 entrusted to serve. LASIK has wreaked havoc  
21 upon thousands and thousands of families. The  
22 eye is the most vital sensory organ that

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1 significantly impacts our quality of life. We  
2 use our eyes every second of the day.

3 When you permanently damage a  
4 person's previously healthy eyes, that  
5 person's physical and emotional state will be  
6 significantly impacted. Anyone who states  
7 otherwise lacks common sense or is  
8 disingenuous.

9 Permanently damaging a person's  
10 most vital sensory organ with no Plan B fix is  
11 not a straw that breaks the camel's back.  
12 It's the 200 pound gorilla that brings most  
13 post-LASIK complications --

14 CHAIRPERSON WEISS: Would you be  
15 able to wrap up? We are on the red again.

16 MS. KOTSOVOLOS: Sure. I ask that  
17 the FDA begin investigation of post-LASIK  
18 depression and suicide ideation and its  
19 clinical --

20 CHAIRPERSON WEISS: Thank you very  
21 much. We are now going to go to our next  
22 speaker, Mr. Michael Klein. Again, I will cut

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1 you off at the red light. So please, if you  
2 have important comments to make, get them in  
3 by taking out those comments that may run over  
4 that you are less interested in the audience  
5 hearing.

6 We are going to have Dr. Kerry  
7 Solomon, who will be presenting for Dr.  
8 Richard Lindstrom.

9 DR. SOLOMON: Good morning. My name  
10 is Dr. Kerry Solomon, and I have been asked to  
11 read the statement of Dr. Richard L.  
12 Lindstrom, who because of illness is unable to  
13 join us this morning.

14 I am Dr. Richard Lindstrom, founder  
15 and an attending surgeon at the Minnesota Eye  
16 Consultants, an adjunct professor emeritus at  
17 the University of Minnesota, Department of  
18 Ophthalmology.

19 I have been involved in the  
20 development of laser refractive surgery since  
21 1985 and have participated in several FDA IDE  
22 clinical trials. I have performed LASIK on

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1 over 10,000 patients, including three of my  
2 partners, six immediate family members,  
3 innumerable close friends, and over 100  
4 ophthalmologist colleagues.

5 Of note, nearly 30 percent of LASIK  
6 surgeons themselves have elected to undergo  
7 LASIK, nearly five times more than the rate of  
8 the population at large.

9 In the interest of disclosure, I  
10 want the Committee to know that I am the co-  
11 medical director and serve on the board of  
12 directors of TLC Vision. I also have  
13 consulting relationships with AMO, Bausch &  
14 Lomb and AlCon, all of which manufacture  
15 excimer lasers.

16 I am the immediate past President  
17 of the American Society of Cataract and  
18 Refractive Surgery, ASCRS. This society was  
19 founded in 1974, and it has fostered the  
20 development of cataract surgery and refractive  
21 surgery, LASIK and other forms of vision  
22 correction into highly sophisticated forms of

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1 ophthalmic treatment.

2 Today the Society is 10,000  
3 members, primarily in the United States with a  
4 significant percentage of members from around  
5 the world. Through its educational programs  
6 and services, ASCRS has become the physician's  
7 primary source of up-to-date information on  
8 scientific developments within the field  
9 domestically and internationally.

10 After a review of more than 10  
11 years of peer reviewed medical and scientific  
12 research, we find that all the available  
13 clinical data reinforces the safety and  
14 effectiveness of LASIK.

15 As you will see from today's  
16 presentations, the overwhelming majority of  
17 patients, more than 95 percent, are satisfied.

18 Yet a small percentage feel they have not  
19 experienced the same satisfaction benefit. To  
20 those patients, I want to be clear. We hear  
21 your concerns. We care, and we respond in a  
22 tangible and constructive manner.

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1           The goal of any elective medical  
2 procedure is to ensure all patients are  
3 satisfied. While the satisfaction rate for  
4 LASIK is higher than any other elective  
5 procedure, there is always room to improve.

6           In this case, that means learning  
7 more about why some patients are dissatisfied.

8           What are the factors that bear on that  
9 subjective experience of quality of life, and  
10 what can we do about it to improve it? That  
11 is why we are here today.

12           The joint LASIK study task force is  
13 a result of our collaboration with the  
14 American Academy of Ophthalmology, the  
15 National Eye Institute and the FDA to better  
16 understand the small percent of patients who  
17 don't get the experience they expected.

18           A group of ophthalmologists from  
19 ASCRS and AAO are working together with the  
20 FDA and NEI to look at the impact of LASIK on  
21 quality of life. ASCRS and AAO have completed  
22 a meta analysis of the global literature. You

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