

# Presbyopic IOL Comparison

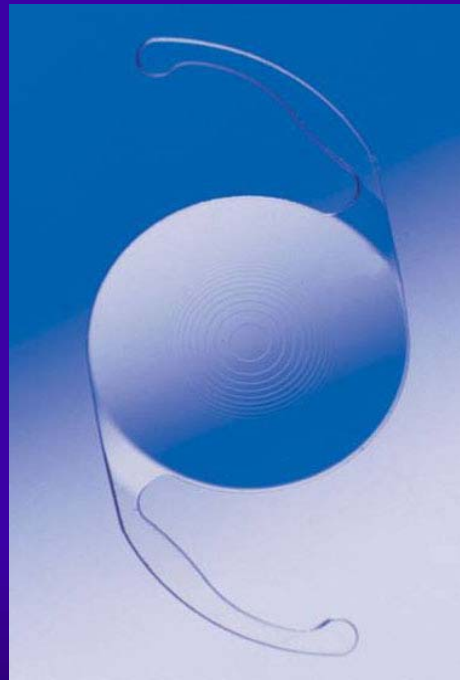
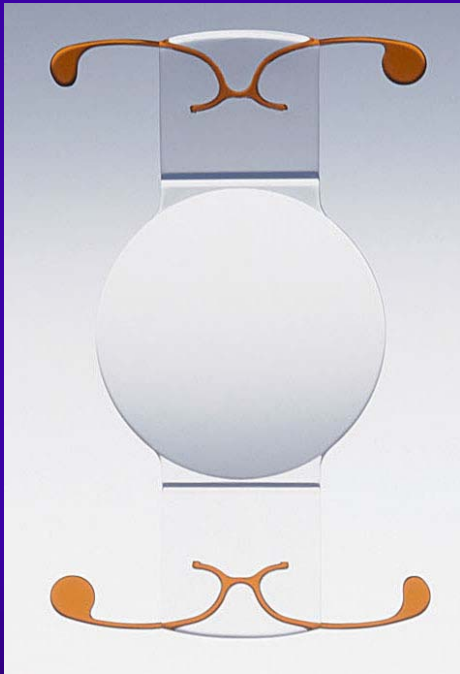
## One Aspect: Patient Satisfaction / Explantation

John F. Doane, M.D.

Discover Vision Centers

Kansas City, Missouri, U.S.A.

# Presbyopic IOL's



# Financial Interest

Investigator for  
ReVision Optics, Bauch &  
Lomb, Carl Zeiss Meditec, Ista,  
I-Therapeutixs, Calhoun Vision

# My Experience

2000 FDA Crystalens AT-45 FDA Study

2004 AT-45 Square Edge

2005 AT-50 Square Edge

2006 AT-52 Square Edge

2007 HD-100 FDA Study

2004 ReStor and ReZoom

# My Experience

Matching – overall very pleased

Yet, some patient profiles demanded very  
precise near

Mixing late 2005 – aka I went off the ranch

# Combining the crystalens and ReStor IOL's in Cataract and Refractive Lens Extraction Patients

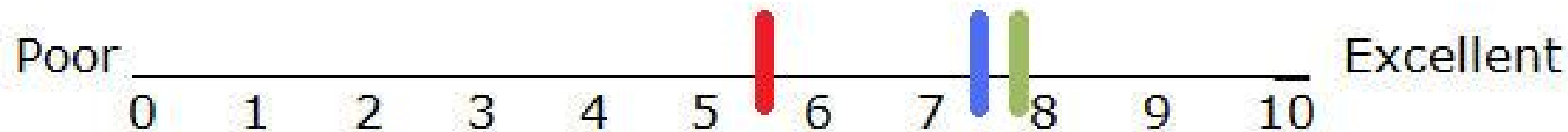
Randy T. Jackson, M.D.

John F. Doane, M.D., F.A.C.S.

Discover Vision Centers

Kansas City, Missouri

On the following line how would you rate your **DISTANCE vision**:

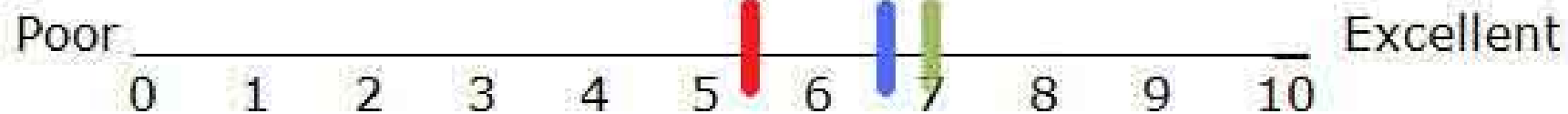


$p < 0.02$

## Distance



On the following line how would you rate your **INTERMEDIATE** vision:



$p < 0.02$

## Intermediate

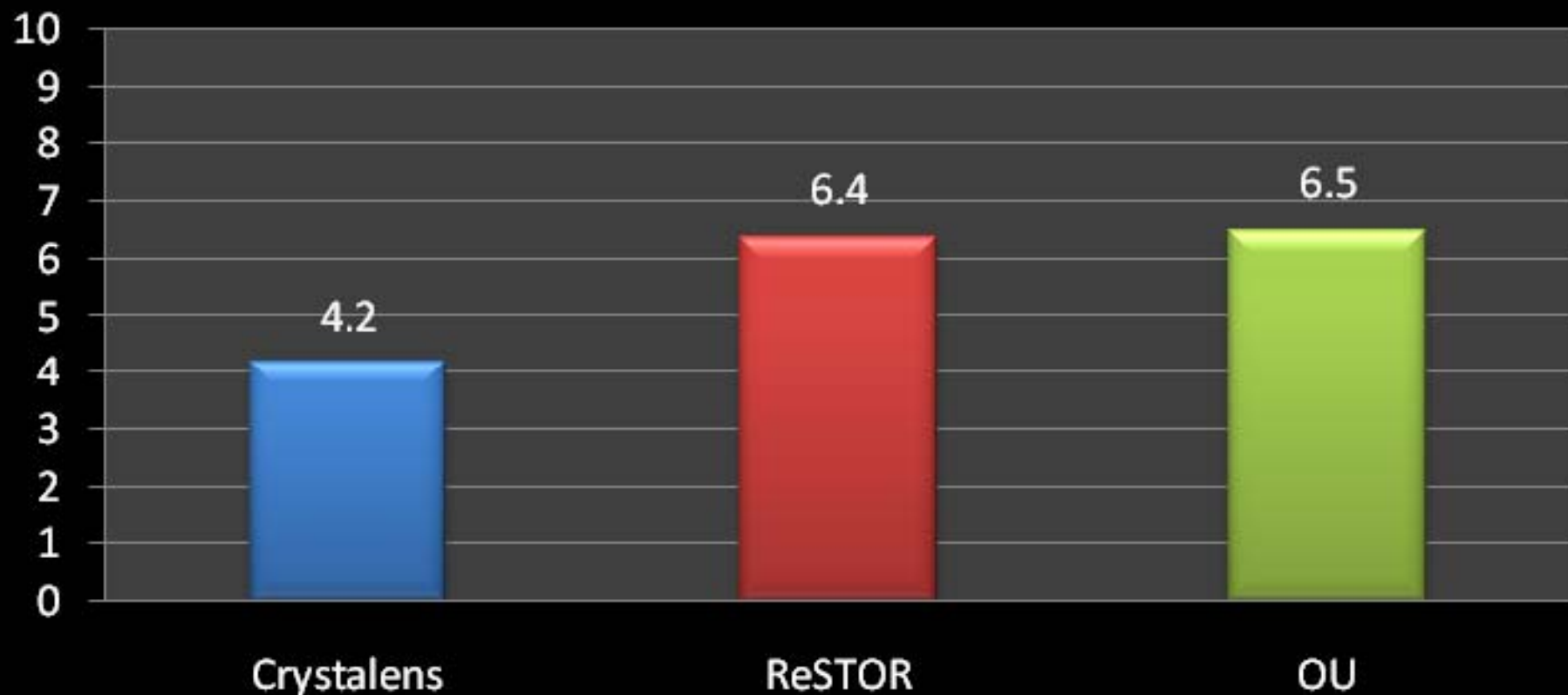


On the following line how would you rate your **NEAR vision**:



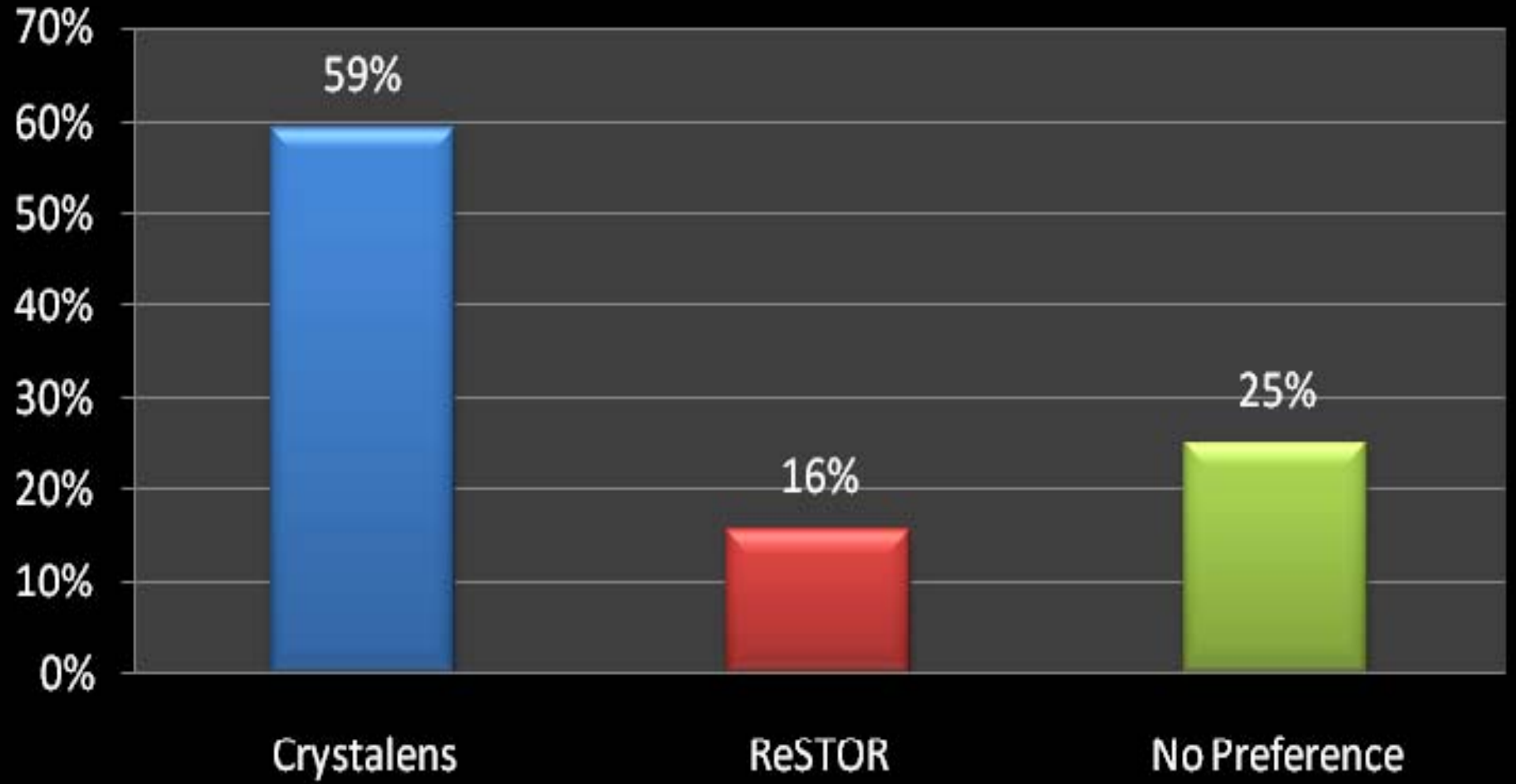
$p < 0.02$

## Near



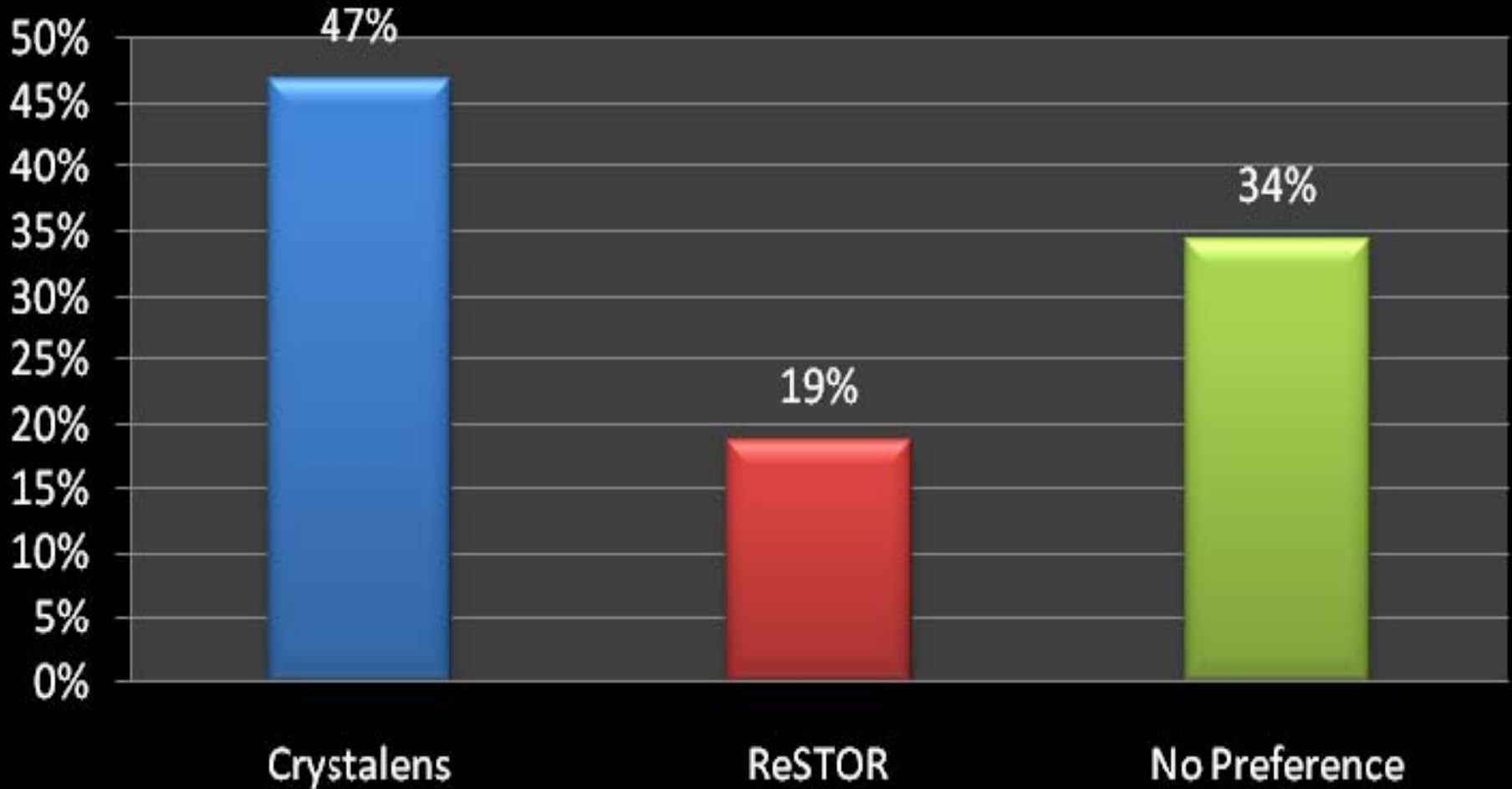
# Driving Preference

p<0.02



# Computer Preference

$p < 0.05$



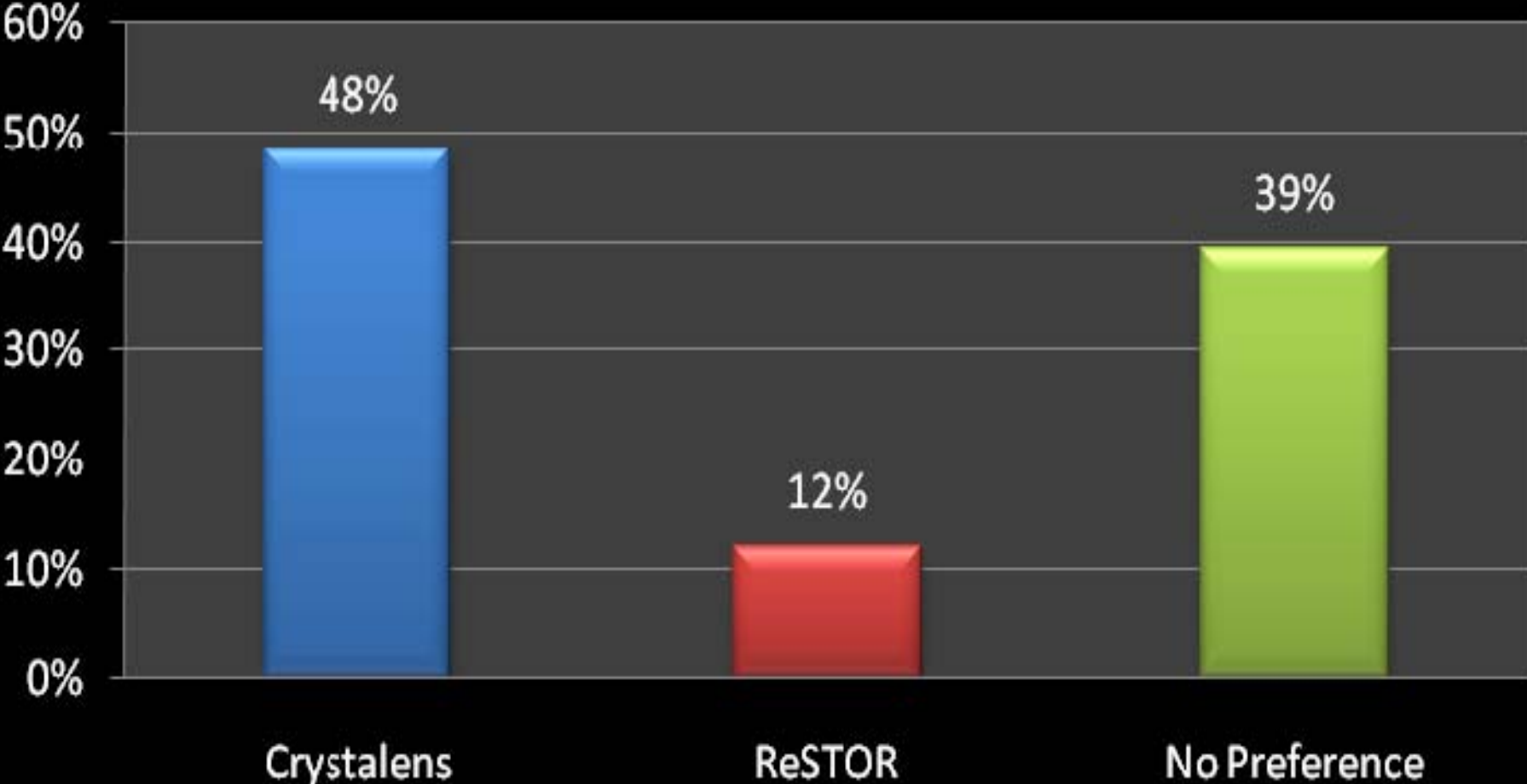
# Reading Preference

p<0.02



# Overall Preference

p<0.02



# Conclusions

Overall quality of vision → Crystalens

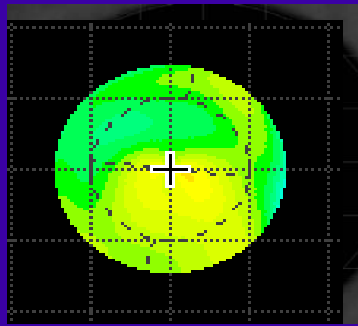
Reading vision → ReSTOR

The combination was tolerated by most  
and provides patients with the strengths  
of both lenses

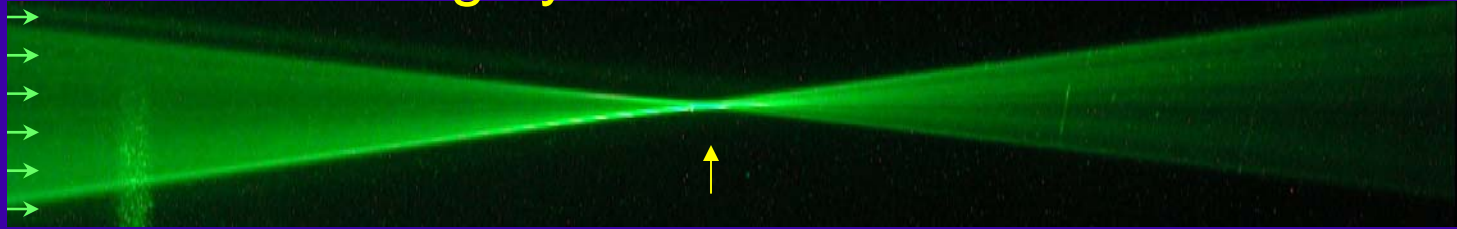
# Separate Issue

# My Global Eplantation Rate

# Complications Change Surgeon Behavior!

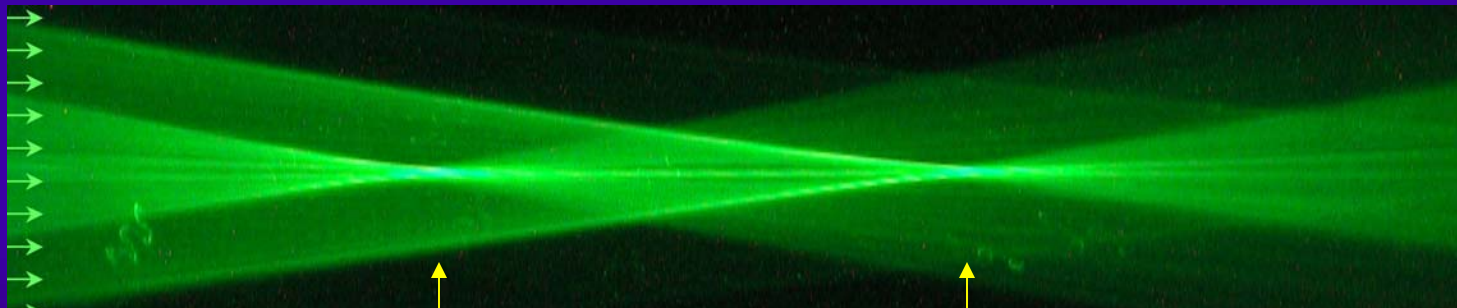
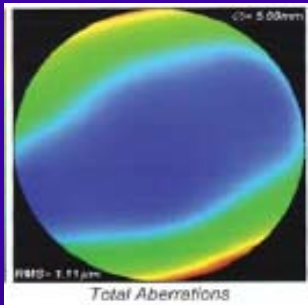


Accommodating eye focused at distance



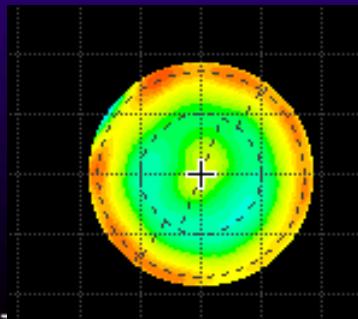
far focus

Diffractive lens focused at distance

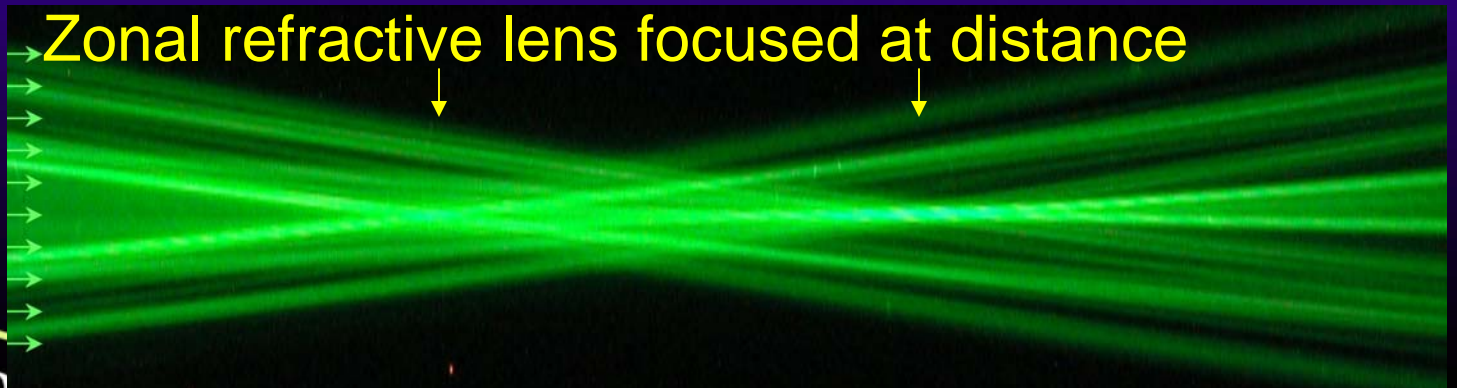


near focus

far focus



Zonal refractive lens focused at distance



# Perspective

Ken Hoffer, M.D. – Santa Monica, CA

“ If you have to explant anywhere near 1% of the IOL model you normally use there is a major problem that can not continue..... “

# My Explantation Rate / Reason

Crystalens – 3 of 1090 = 0.27%

2 AT-45 , same patient, night issues; exchange with 9002 Tecnis, still some symptoms

1 AT-50 night issues, exchanged with 9002 Tecnis still some symptoms

ReStor 9 of 17165 = 5.26 %

all due to significant day time “ waxy / washed-out vision “, exchanged with Crystalens in 5 patients and 9002 Tecnis in other three and all functioning well

ReZoom 1 of 8 = 12.5%

Had a ReStor in opposite eye so exchanged with a ReStor, still not happy with overall vision and quality of vision after exchange.

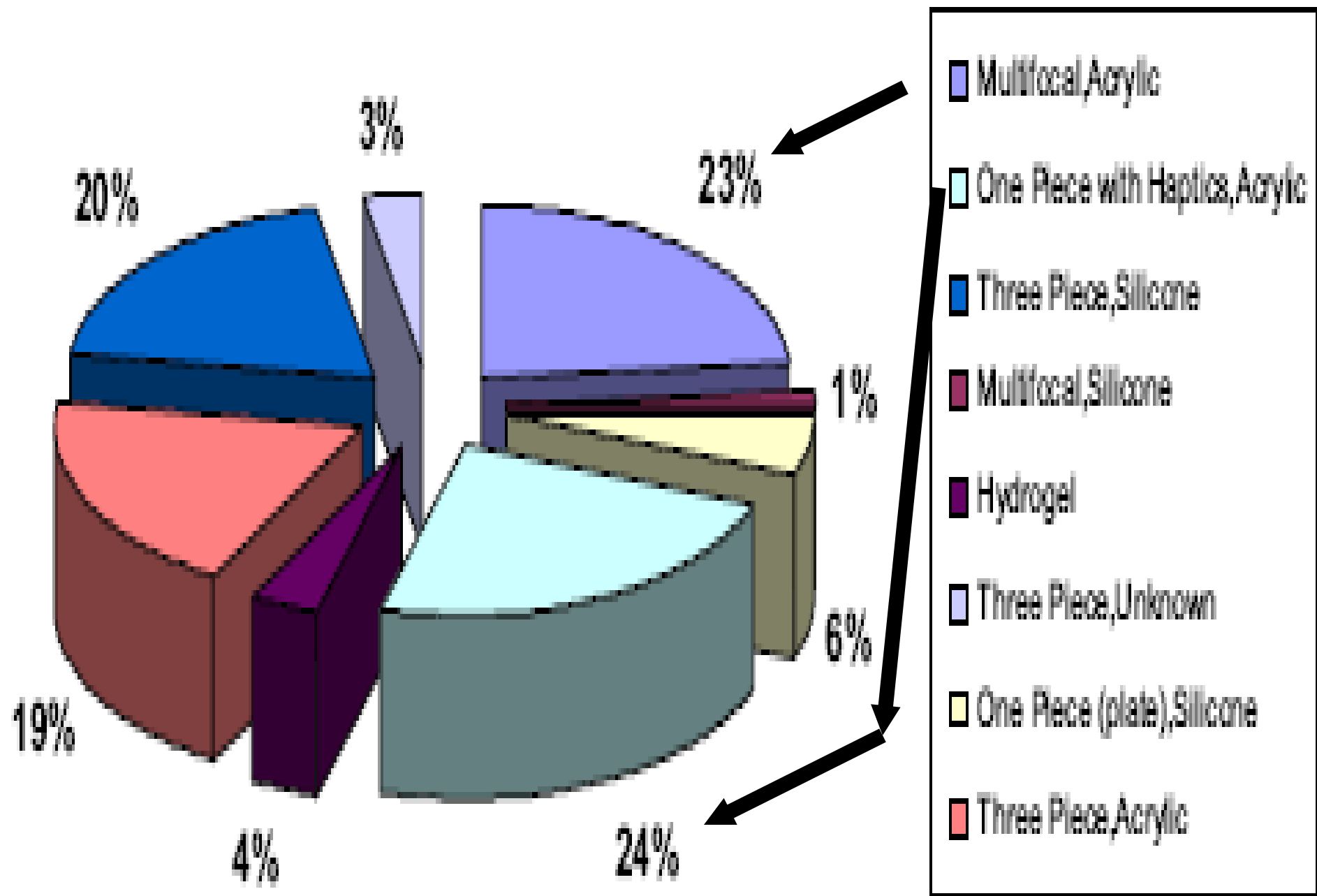
# Bottom Line

6 of 9 patients that requested ReStor  
explantation received Crystalens –  
happy

0 of 3 that requested Crystalens  
explantation asked for ReStor

# Complications of foldable intraocular lenses requiring explantation or secondary intervention—2007 survey update

Nick Mamalis, MD, Jacob Brubaker, MD, Don Davis, MD, Ladan Espandar, MD,  
Liliana Werner, MD, PhD



# 2009

Personally, I implant bilateral HD and try to push some myopia in non-dominant eye, -0.5 to -1.0

Implanted two ReStor 3.0

Waxy vision remains the concern

Thank You for  
Your Attention!