

Cataract Review 2014

Patients with **symptomatic**
cataracts may wish to consider
cataract surgery **before** starting
Flomax

April 2014

AAO: American Academy of Ophthalmology

ASCRS: American Society Of Cataract and Refractive
Surgery

Medicare Measure G8915

- Patient documented **not** to have experienced a hospital transfer or hospital admission upon discharge from ASC
- Patients at very high risk should not be done in an ASC

Hawaiian Private Clinic

Broken capsule

$$23 / 2339 = 0.68\%$$

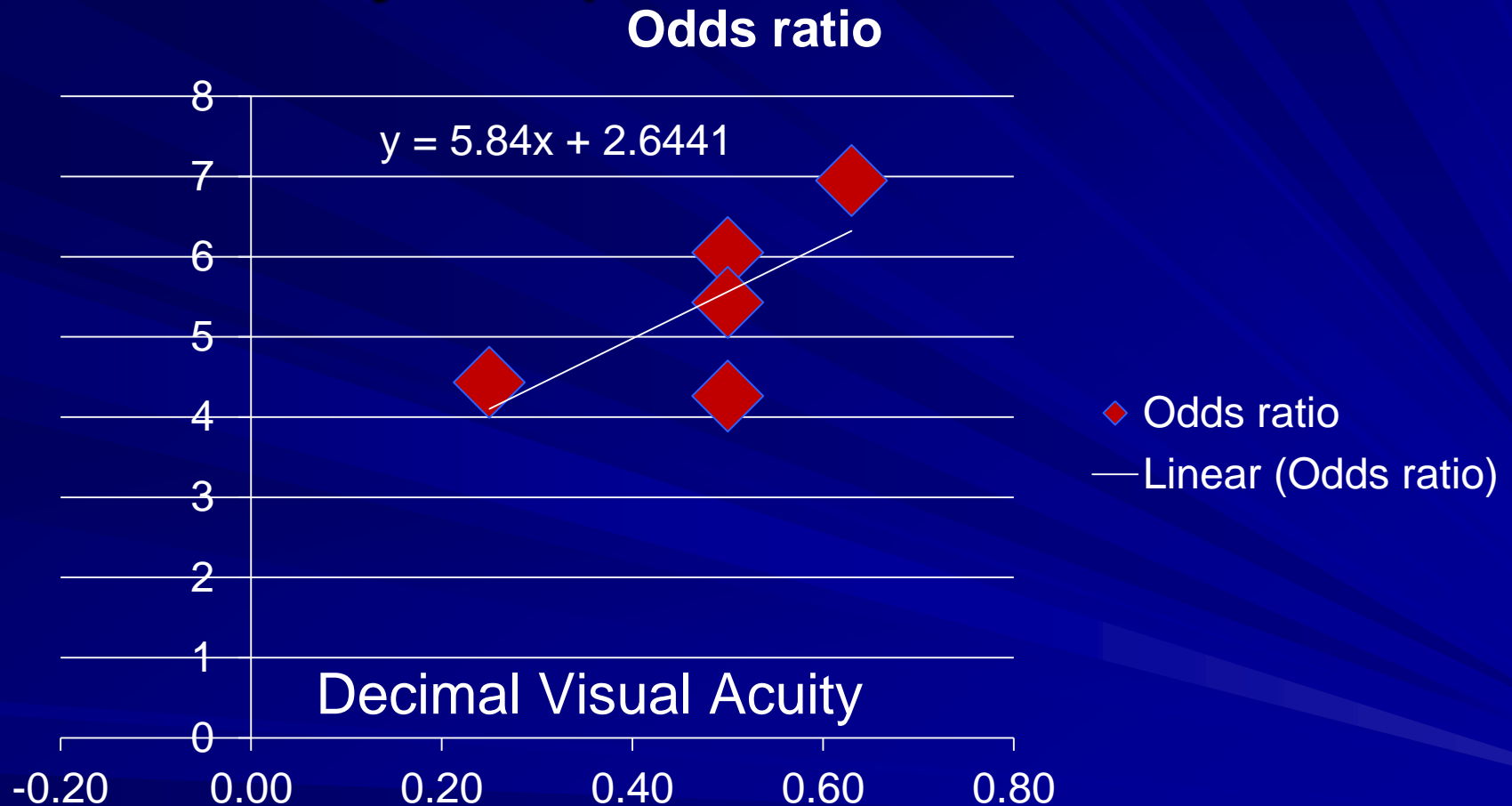
Cause (Increased risk with decreased Pupil size and increased Age)	# cases
Restlessness	6
Miosis	7
Shallow chamber	8
Pseudoexfoliation	5
Small eye	1
Floppy Iris	6
Zonular dehiscence	5

The Cataract National Dataset electronic multi-centre audit of 55 567 operations: risk stratification for posterior capsule rupture and vitreous loss (United Kingdom)

Multiple factors to estimate risk

Risk factor		Adjusted Risk
Brunescent or White		2.99
No View Fundus		2.46
PXE/Phacodonesis		2.92
Age	90's/80's/70's/60's	2.37/1.58/1.41/1.14
Diabetic		2.46
Doxazosin (Cardura)	Alpha one blocker	1.51
Small / Medium pupil		1.45/1.14
Axial length over 26 mm		1.47
Glaucoma		1.30
Male		1.28
Unable to lie flat		1.27

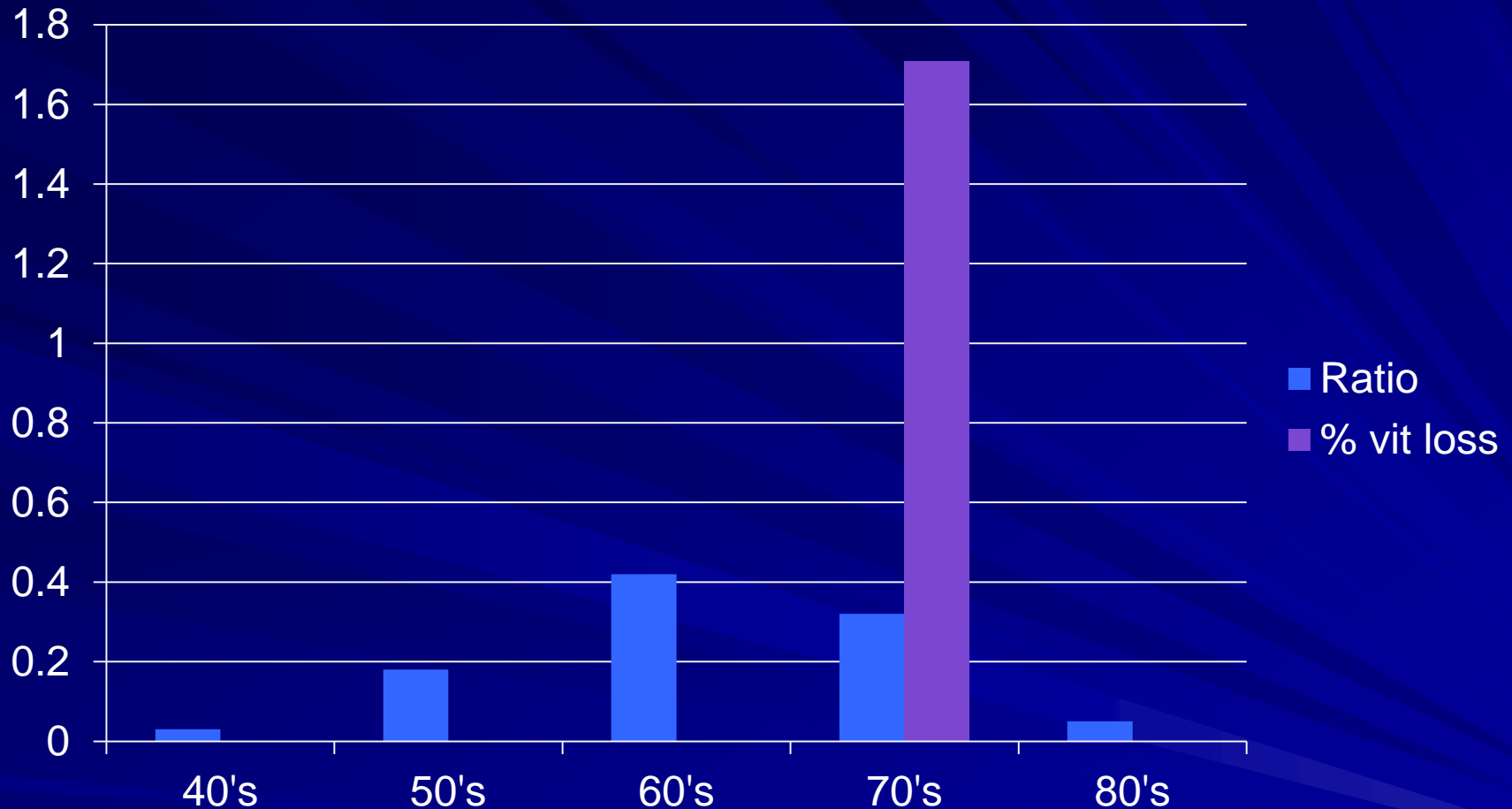
Risk odds ratio in 5 patients over a two year period with PCR



Poor vision acuity is an independent risk factor in some studies

We have excluded the two foreign born with hyper-mature cataracts from this analysis

Age is the big risk factor for complications



Average age all patients is 66 years
Average age complications 76 years

3 Year simvastatin treatment and lens nuclear back scattering

Wen Qian, Per G Söderberg, Enping Chen, Karin Magnus, Bo Philipson

Br J Ophthalmol 2000;84:512-516

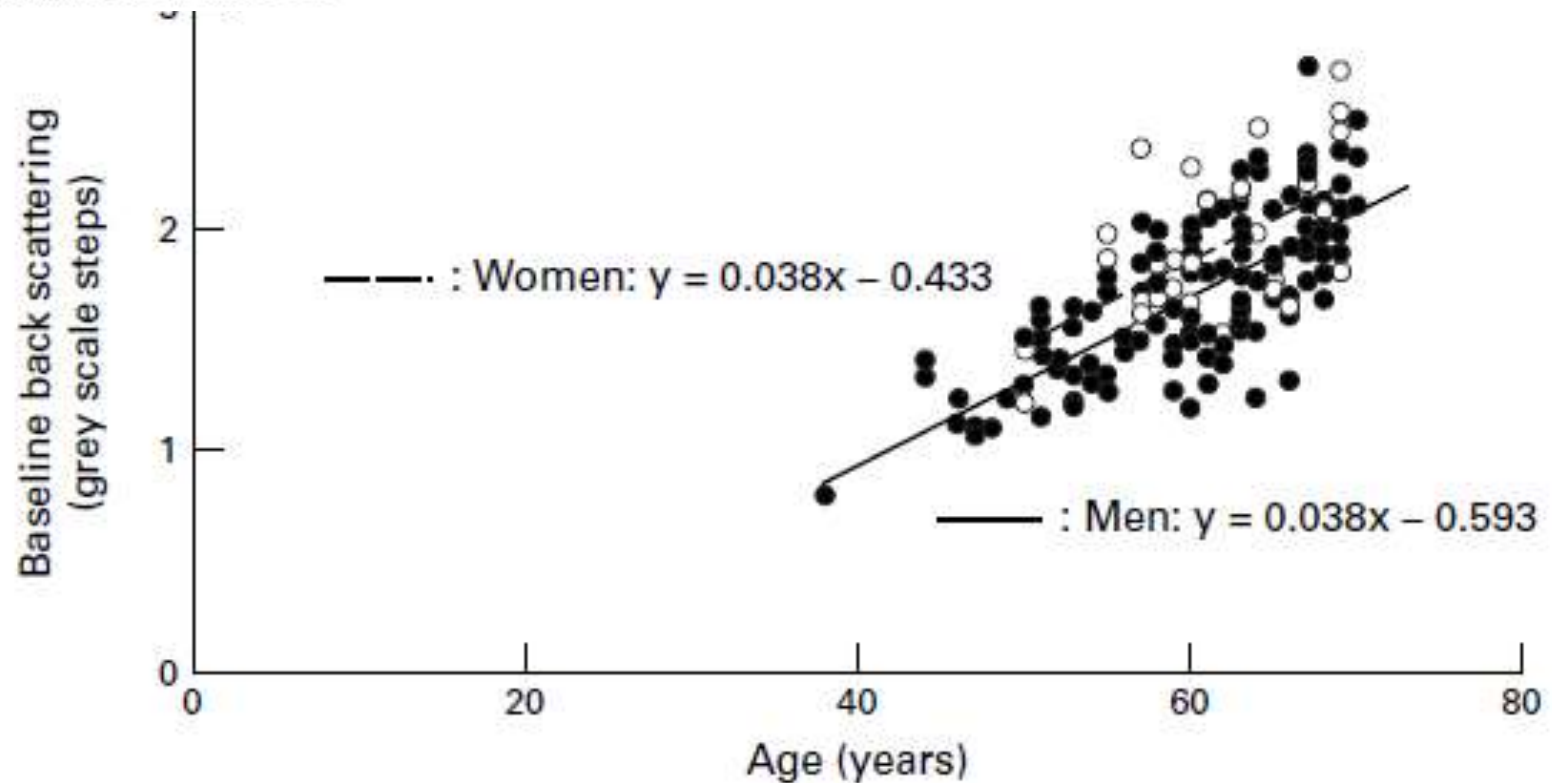
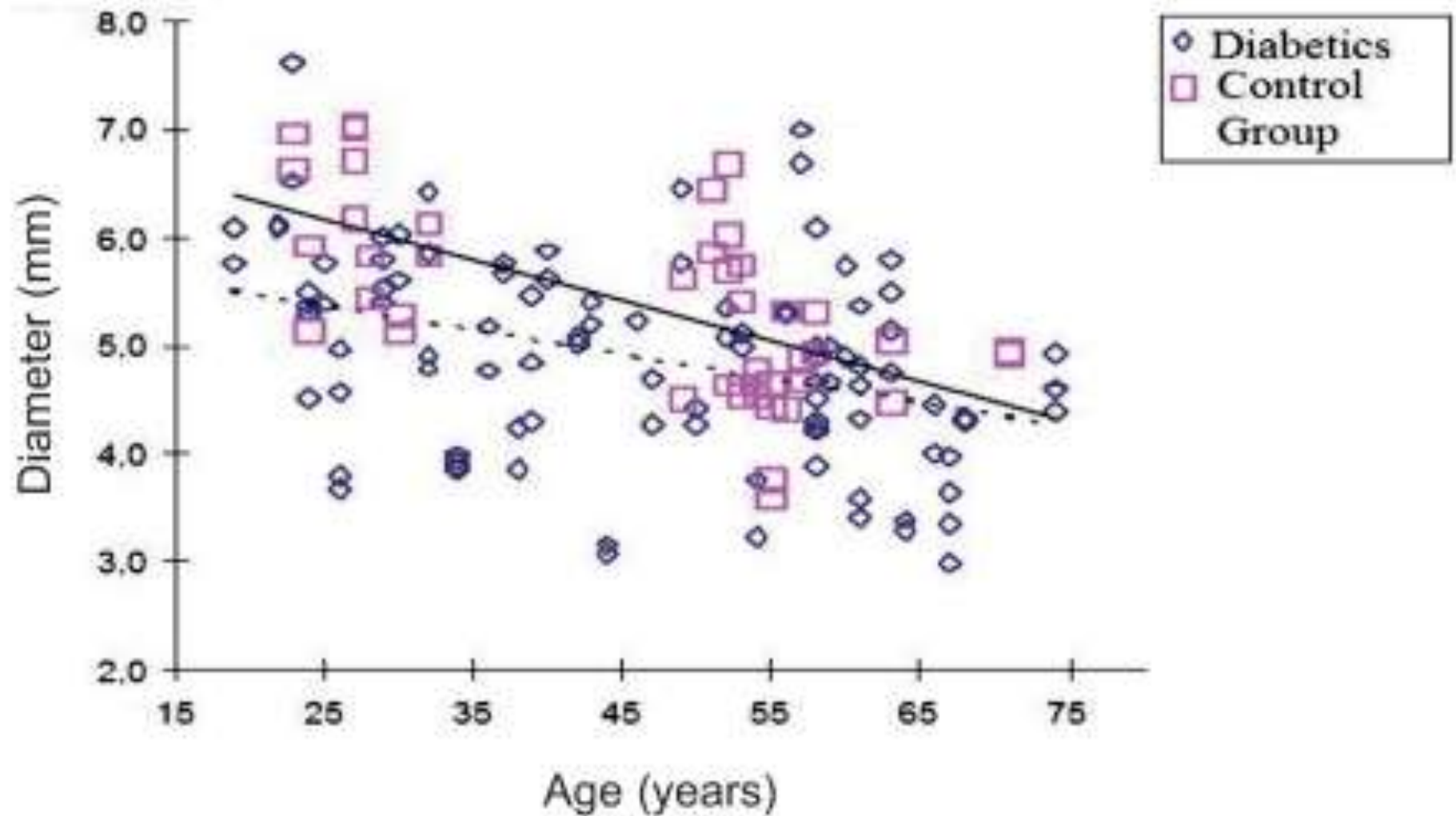


Figure 3 Baseline nuclear back scattering light as a function of age and sex (men: solid symbol and women: open symbol).



**[Pupillary responses to single
and sinusoidal light stimuli
in diabetic patients**

Wolfgang H. Zangemeister,

Thilo Gronow, Ulrich Grzyska¹

Neurology International 2009; 1:e19]

Statins delay onset of cataract, (does delaying surgery increase surgical risk?)

- Meta-analysis indicates a clinically relevant protective effect of statins in preventing cataracts.
- The effect is more pronounced in younger patients and with longer duration of follow-up
- There is no difference by gender.

Prevention of Cataracts by Statins: A Meta-Analysis

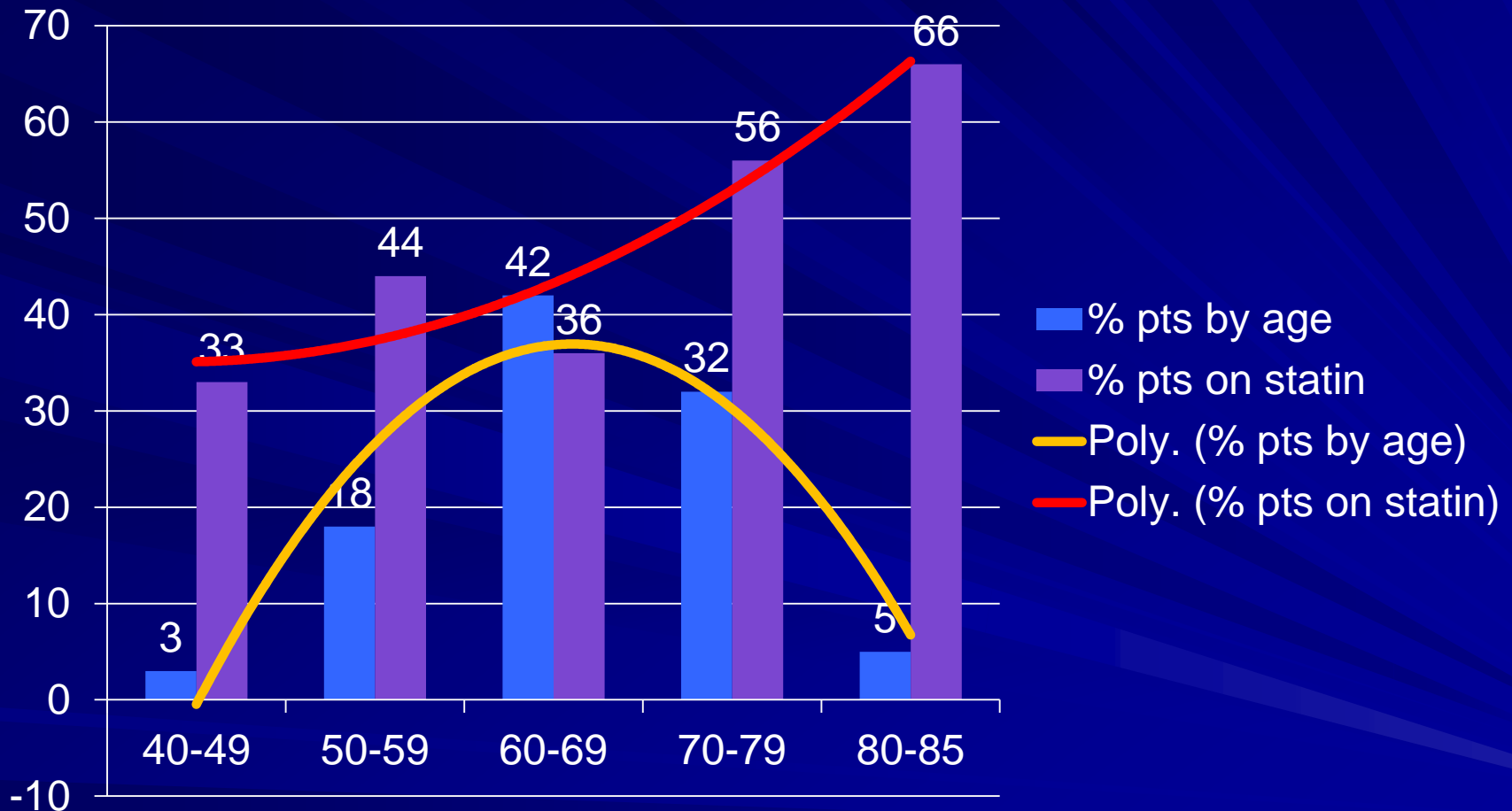
John B. Kostis and Jeanne M. Dobrzynski

J CARDIOVASC PHARMACOL THER 2014 19: 191 originally published online 4 December 2013

Are statins a risk factor for
complications with cataract
surgery

Statin use increases with AGE

Data from 100 consecutive patients at NLEA, average age 66



All 5 patients with complications were in their 70's, three (60%) were on statins

Patient Name: _____ DOB: _____ Date of Visit: _____

VF-14 QOL Questionnaire

Because of your vision, how much difficulty do you have with the following activities?

Check the box that best describes how much difficulty you have, even with glasses.

If you do not perform the activity for reasons unrelated to your vision, circle "n/a"

Activity		None	A little	Moderate	Great deal	Unable to do
1. Reading small print, such as medicine bottle labels, a telephone book, or food labels	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Reading a newspaper or a book	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Reading a large-print book or large-print newspaper or numbers on a telephone	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Recognizing people when they are close to you	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Seeing steps, stairs or curbs	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Reading traffic signs, street signs or store signs	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Doing fine handwork like sewing, knitting, crocheting, carpentry	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Writing checks or filling out forms	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Playing games such as bingo, dominos, card games, or mahjong	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Taking part in sports like bowling, handball, tennis, golf	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Cooking	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Watching television	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Driving during the day	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Driving at night	n/a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Patient Signature: _____

Office use only: (C) # checked boxes in column

(F) factored amounts

X4 =	X3 =	X2 =	X1 =	0
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C = total number of Checked boxes in column

F = sum of the Factored amounts

Final Score: $(F \div C) \times 25 = V$

V = Final V-14 score

V =

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Glare (Snowstorm)

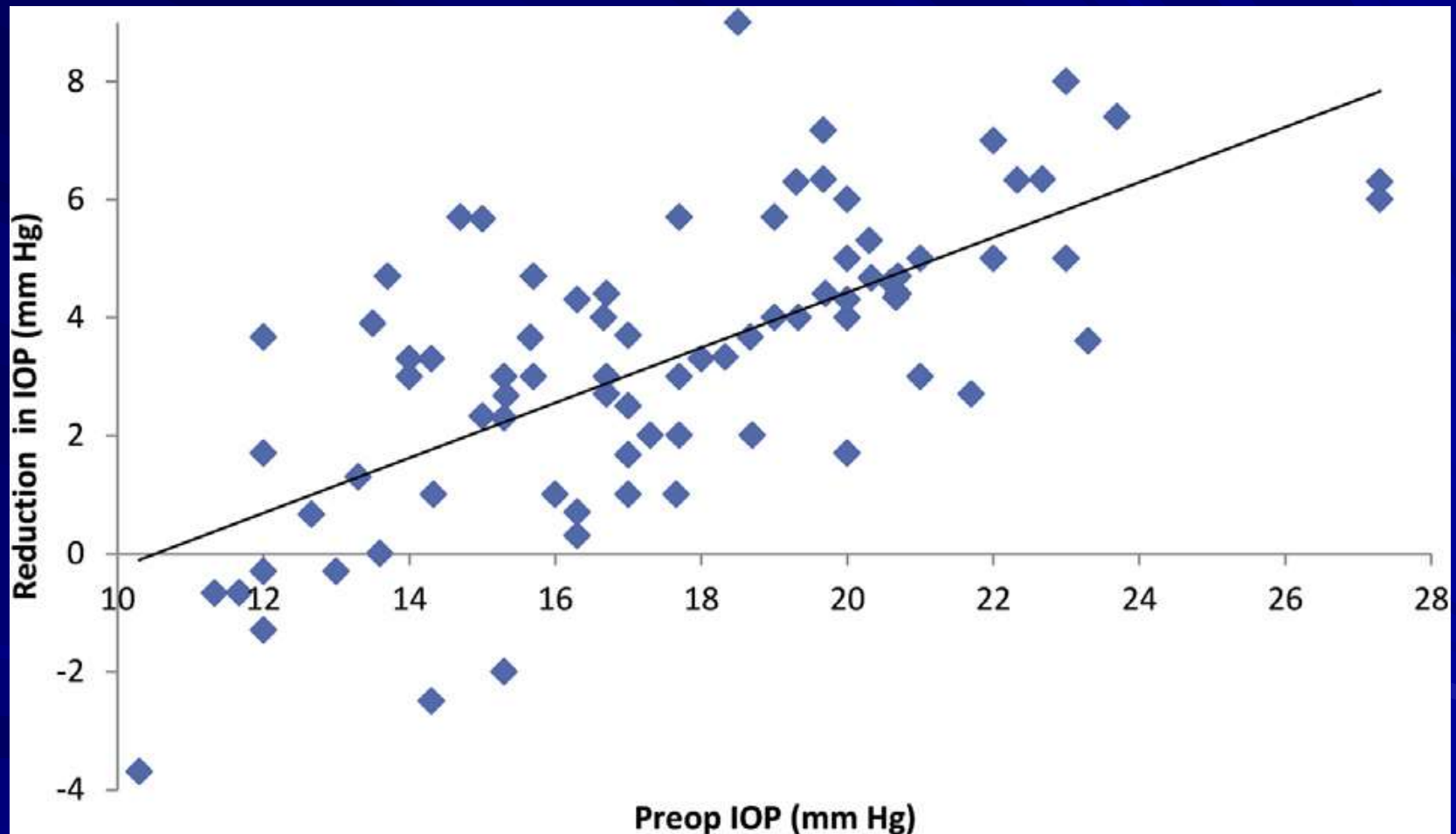


Humphrey® HARK Model 599 with Glare

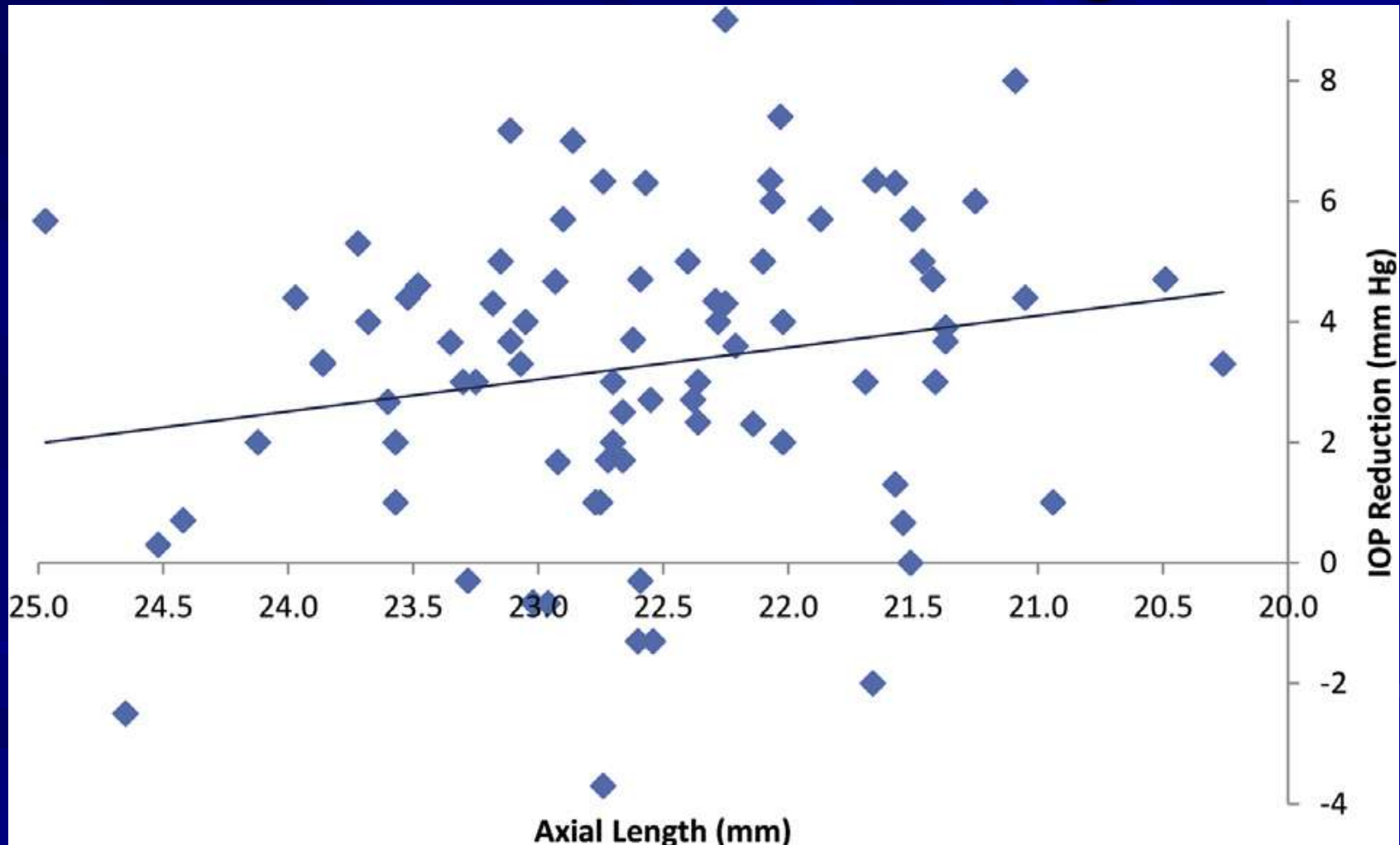




Reduction of IOP After Cataract surgery: Related to Initial IOP



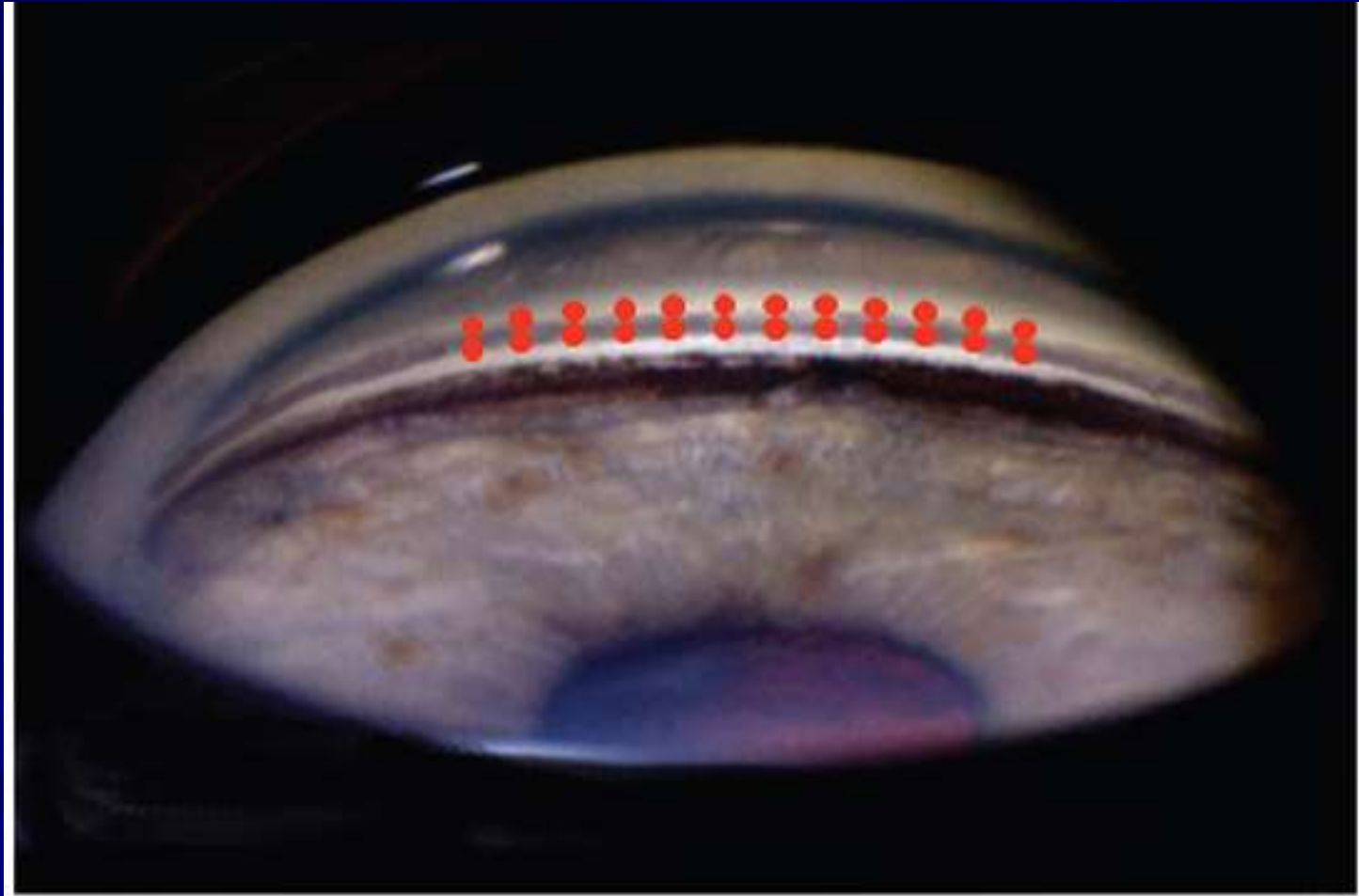
IOP reduction after cataract Sx Related to Axial Length

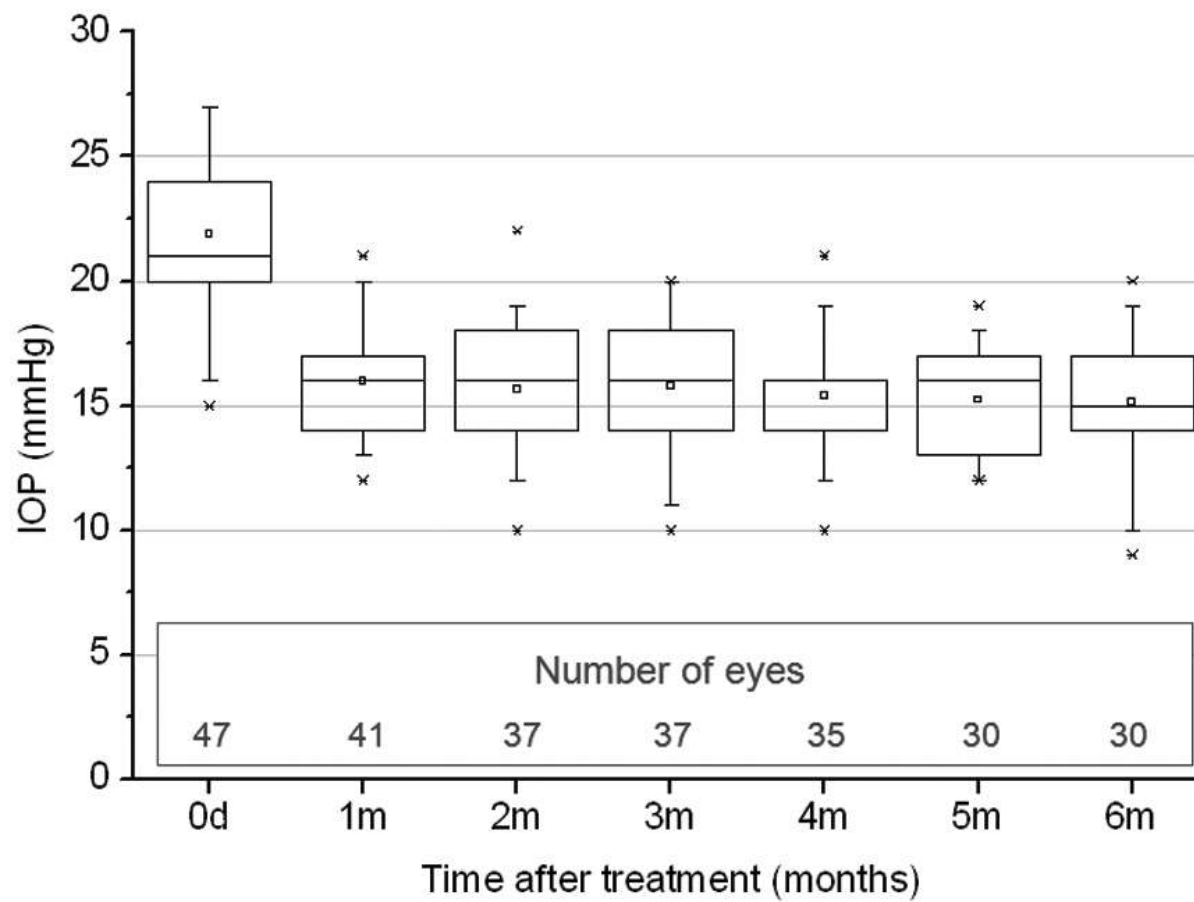


Reduced intraocular pressure after cataract surgery in patients with narrow angles and chronic angle-closure glaucoma

Reay H. Brown, MD, Le Zhong, BS, Allison L. Whitman, BA, Mary G. Lynch, MD, Patrick D. Kilgo, MS, Kristen L. Hovis, BA

Patterned laser trabeculoplasty (micropulse laser)





Micropulse:safely cover all the trabecular meshwork

