On behalf of Vision Expo, we sincerely thank you for being with us this year.

Vision Expo Has Gone Green!

We have eliminated all paper session evaluation forms. Please be sure to complete your electronic session evaluations online when you login to request your CE letter for each course you attended! Your feedback is important to us as our Education Planning Committee considers content and speakers for future meetings to provide you with the best education possible.



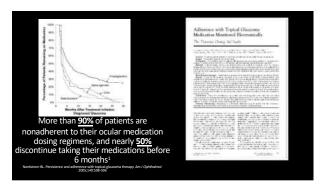
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Financial Disclosure — Justin Schweitzer, OD, FAAO Alton-C/L Aldeyra-C Altergan-C/L Bausch + Lomb - C/L Bruder - C Sight Sciences - C/L Dompe - C/L Visus - C Zeiss - C/L Sight Sciences - C/L Altergan - C/L Bruder - C Sight Sciences - C/L Averlino - C Visus - C Visus - C Science Based Health - C Science Based Health - C Science Based Health - C Startus - C/L Santen - C All relevant relationships have been milligated

2







Selective Laser Trabeculoplasty Versus Medical Therapy as Initial Treatment of Glaucoma: A Prospective, Randomized Trial

L. Jay Katz, MD.* William C. Stehmann, MD.† Azad Kabir, MD.‡ Jeanne Molineaux, COA.*

Sheryd S. Wizor, COA.* and George Marcellina, PhD.§ the SLT/Med Study Group

| Flaucoma * Volume 21, Number 7, September 2012

* SLT Med Study (2012)

* Dr. Katz @ Wills Eye in Philadelphia

- J Glaucoma 2012;21:460-468

* SLT (100 applications over 360 degrees of TM) vs. prostaglandin analog

* Primary outcome -> IOP

* Secondary outcome -> # of treatment steps

SLT Med Study Treatmer	t Arms
uninsamed primary	ris (136 eyes) open angle (jlaucorts open systemsom pullents
Group 1 St.T 37 verboots (89 verses)	Geroup 2 Maccinel Treerspy 39 (activets (67 eyes)
Step 1 SLT 360 700 Applications	Step 1 prostoplander arrang latersprose, benestpenal, or ferospessi
Strap 2 SLT Finant 100 50 Applications	Shap 2 Add a beta filmber seroisis or betasolol
SECT Temporal 160- 60 Applications	Shap 3 Askt or substitute brinconstice
Step 4 Treating distriction thelese of most thereby for intervention failure	Addison 4 Addison automatus domantus indicasion, trimpoternide cor a fleest- sample sustant

SLT vs. Prostaglandins • SLT Med Study (2012) Results: 1. IOP reduction: • SIT –25.7% IOP reduction • IOP reduced from 24.5 to 18.2 (6.3 mmHg reduction) • Prostaglandin – 28.3% IOP reduction • IOP reduced from 24.7 to 17.7 (7.0 mmHg reduction) 2. # of treatment steps: • SLT group - 11% of eyes required additional SLT • Prostaglandin group -> 27% of eyes required additional medication

8

LiGHT trial: 6-year results of primary selective laser trabeculoplasty versus eye drops for the treatment of glaucoma and ocular hypertension

Gus Gazzard, Evgenia Konstantakopoulou, David Garway-Heath, Mariam Adeleke, Victoria Vickerstaff, Gareth Ambler, Rachael Hunter, Catey Bunce, Neil Nathwani, Keith Barton, on behalf of the LiGHT Trial Study Group

Primary Outcome - Quality of Life at 6 years
Secondary Outcome - clinical effectiveness and safety

Conclusions:

No significant difference in QOL
26.8% VS 19.6% progressed drops vs SLT
Tab required in S2 eyes in drops arm compared to 13 eyes in the SLT arm
69.8% of SLT Drop Free @ 6 Years

Low-Energy SLT Repeated Annually: Rationale for the COAST Trial Tony Realini, MD, MPH, Gus Gazzard, MD, Mark Latina, MD, Michael Kass, MD

- Newly diagnosed POAG treated with: 1. ALT 360 x 1 2. Standard SLT 360 as needed 3. Low-energy SLT 360 repeated annually

10-year Results Medication Free Rates

- ALT 22.6%
 Standard SLT -25.0%
- 3. Low-energy SLT 58.3%

10-year Results Median Times to Treatment

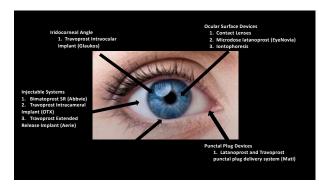
- ALT 2.8 years
 Standard SLT 3.2 years
 Low-energy SLT 6.2 years

10

Automated Direct SLT

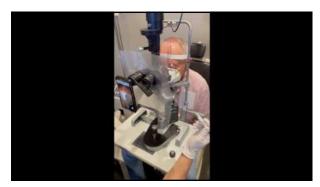


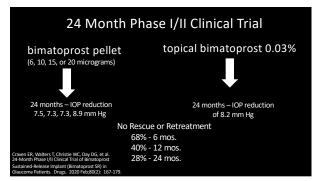
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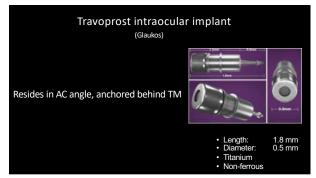


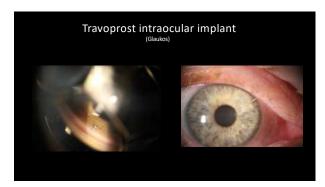


















Limitations of GAT

1.Corneal curvature 2.Axial Length

3.Central corneal thickness

4.Tear film biomechanics

5.User error

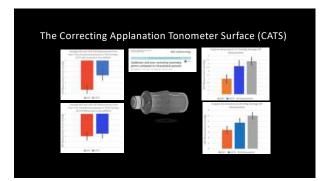
6.Patient error

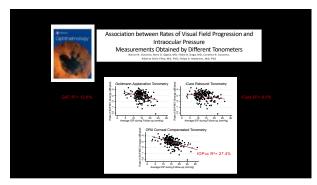


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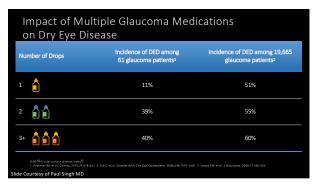


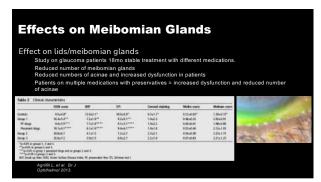


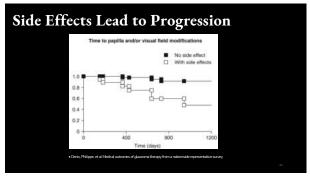




The Burden of Caring for and Treating Glaucoma The Patient Perspective Quality-of-Life Consequences of Glaucoma Treatment Burden 1. Use of Time 2. Role and Activity Limitations 3. Financial Difficulties 4. Emotional Stress 5. Side Effects 6. Strain on Family and Friends George A. Guetterman TC. NESS R. Like PP. The Burden of Caring for and Treating Glaucoma: The Page City Company of Caring for and Treating Glaucoma: The Page City Company of Caring for and Treating Glaucoma: The Page City Company of Caring for and Treating Glaucoma: The Page City Company of Caring for and Treating Glaucoma: The Page City Company of Caring for and Treating Glaucoma: The Page City Company of Caring for and Treating Glaucoma: The Page City Company of Caring for and Treating Glaucoma: The Page City Company of Caring for and Treating Glaucoma Treatment Burden Grant Treatment Burden 1. Use of Time 2. Role and Activity Limitations 3. Financial Difficulties 4. Emotional Stress 5. Side Effects 6. Strain on Family and Friends Grant Treatment Treatm

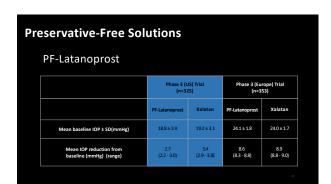


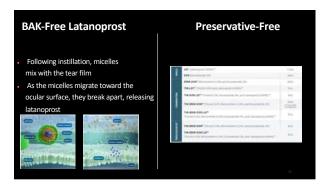






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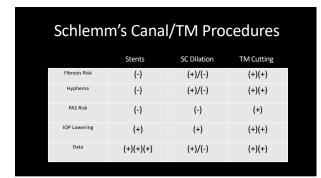


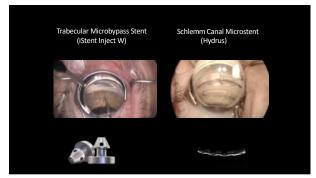


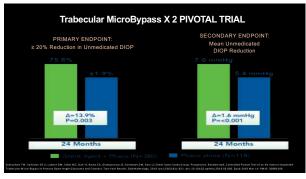




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ICP spine	1.6-22.2	1.00-168	1.9-6.46	16-	2.06-38.9	0-167	12	ά9-1.1	3.7	0- 22.2
Hiphama	11.4	0-6	1.00- 0.45	0-34,9	4.72-95	0.97- 16	50.6	1-13.1	3.7	1.9-
Comesi sedema	2.1-8.97	8-10	5-3.23	1.0- 19.5	6	8	8.2	0	4.9	0
Blob reeding	NA.	NA	NA	NA.	NA.	N/A	NA	NA	NA	NA.
Desition obstruction	0-13.3	0-42	0-62	N/A	N/A	NW.	NIA	Non	NA.	NA
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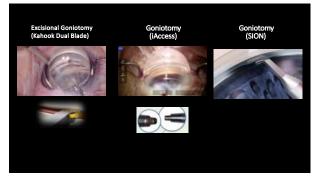






HORIZON Trial – 5 Year									
	Stent + Cataract (n=369) Cataract Only (n=187)								
Change in diurnal IOP (mean)	-8.3 mm HG (+/-3.8)	-6.5 mm HG (+/-4.0)							
60 months medication free	66%	46%							
60 months mean IOP (mm Hg)	16.6 (+/-3.2)	17.6 (+/-3.6)							
1 preoperative med 2 to 4 preoperative med	52.6% 47.4%	54% 46%							
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"To be on the cutting edge of optometry, you need to be on the cutting edge of science and technology."

Justin.Schweitzer@vancethompsonvision.com

lighthiz@nsuok.edu