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Speaker Bio

Dr. Shalu Pal graduated from the Southern California College of Optometry, completed her Contact Lens, Cornea and Disease Residency at Northeastern State University Oklahoma College of Optometry, Dr. Pal is a member of the Global Myopia Symposium planning committee, an advisory board member for the Global Council of Myopia Symposium planning committee, an advisory board member for the Global Council of Myopia Management and an editorial advisor for the Review of Myopia Management. Dr. Pal is the co-editor for the newsletter Mastering Myopia. She is a member of the research study group – Myopia in Practice. Dr. Pal is a member of the New Technology Committee for the American Academy of Optometry and the past Chair of the American Optometry and the past Chair of the American Optometry can be a contact Lens and Cornea Section. She is a board member of the Canadian Association of Optometrist, Cornea and Contact Lens Section and a co-founder of the Canadian Contact Lens Academy which is hosting the first national contact lens meeting in Toronto, Canada. She is a member of the Continuing education of Optometrists, an advisor for the Association of optimatics, an advisor for the Association of optimatics, and contact Lens Section of optimatics, an advisor for the Association of optimatics, an advisor for GLOW.



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Financial Disclosures

Honorarium received as a speaker and advisory board member

- Alcon
- Allergan
- Bausch & Lomb
- Bayer
- Blanchard
- BostonSight
- CandorVision
- Coopervision
- Everis

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- FYI Doctors Gas Permeable Lens Institute
- J&J Vision

- Menicon Novartis
- Paragon Bioteck
- Santen
- Scleral Lens Education Society
- Shire
- SightGlass
- ٠ Sjogren's Society Foundation
- STAPLE program
- Sun Pharma
- Truform
- Labtician

The Basics Identify Candidates EGNDH Importance of Communication FZBDE OFLOT APEOTF TZVEOL Lens Designs Fitting Soft Toric Lenses Troubleshooting Issues GPs and Scleral Torics

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Course Objectives













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THE FACTS

- 1/3 of all potential CL wearers require a toric lens
- 28% of soft lenses prescribed were toric lenses
- 65% of toric contact lens wearers drop out of lenses in the first year

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The Past

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change?



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What brand of lenses are you wearing?

What type of solution are you using?

Describe your cleaning routine?

Are you happy with your lenses?

Why did you stop using lenses?

How often are you replacing your lenses

What brand of lenses have you tried before?

If you could improve your lenses what would you



 Material Modulus Breathability Coefficient of friction Wettability Base curve Diameter 	 Thickness Optic zone size Edge design Prismatic design Modality UV protection Parameter Availability
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Conscience What is availability -4.25 -1.50 x 175 -4.25 -1.25 x 180 -7.25 -1.75 x 095 -7.00 -1.75 x 090 +1.25 -1.00 x 025 +1.25 x 020 Plano -0.75 x 020		U	OO UNIVERSITY	
Contact Lens Power What is available to be ordered in toric lenses What is available in the diagnostic set for a trial fitting -4.25 -1.50 x 175 -4.25 -1.25 x 180 -4.00 -1.25 x 180 -7.25 -1.75 x 095 -7.00 -1.75 x 090 -7.00 -1.75 x 090 +1.25 -1.00 x 025 +1.25 -0.75 x 020 Plano -0.75 x 020	Le	ns Parameter	Availability	
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-4.25 -1.50 x 175 -4.25 -1.25 x 180 -7.25 -1.75 x 095 -7.00 -1.75 x 090 +1.25 -1.00 x 025 +1.25 x 020 Plano 0.75 x 020		Calculated Contact Lens Power	What is available to be ordered in toric lenses	What is available in the diagnostic set for a trial fitting
-7.25 -1.75 x 095 -7.00 -1.75 x 090 -7.00 -1.75 x 090 +1.25 -1.00 x 025 +1.25 -0.75 x 020 Plano 0.75 x 020		-4.25 -1.50 x 175	-4.25 -1.25 x 180	-4.00 -1.25 x 180
+1.25 -1.00 x 025 +1.25 -0.75 x 020 Plano -0.75 x 020		-7.25 -1.75 x 095	-7.00 -1.75 x 090	-7.00 -1.75 x 090
		+1.25 -1.00 x 025	+1.25 -0.75 x 020	Plano -0.75 x 020







Compensating for what is missing!

Try to match the cylinder axis first

Incorrect cylinder will create the most distortion in vision

Out can NOT change axis power with loose lenses easily

Match the cylinder power next

Choose a lower cyl power to avoid distortion

Choose the sphere power last

Choose a lower minus sphere/more plus power

Choose a lower minus sphere loose lenses over top

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Rotation Assessment Allow for lens settling Rotate slit lamp beam to measure rotation Rotation is judged from fitter's view point Use 6 o'clock as reference point Measure amount and stability of rotation 1 clock hour is roughly 30 degrees 30 degrees or more consider refit

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The Solution

- Good products
- Add a drop on day one
- Talk about dryness on day one
- Probe for problems fear of lenses taken away
- Change their perception of CL comfort and expectation



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General Troubleshooting Areas to check

- Look at the fit
- Look at the lens design
- Look at the cornea health & lids
- Think about solutions/products
- Think about hygiene
- Thank about health

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• A defective lens is possible

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Mandell	– Moore Bit	oric Guide	– Per Eye		7		
1) Keratometry	42.50 @180		46.00 @90				
2) Spec Rx (Minus Cyl)		- 4.00 -4.00 x 180				-	and the second second
	Flattest K	Sphere Power	Steepest K	Sph+ Cyl Power		and the	-8.00 46.00 -7.25 0.75 Fit Factor
3) Enter K	42.50		46.00		-4.00	42.50 5	-6.50 45.25
4) Enter Spectacle Power		-4.00		-8.00	0.25	Fit Factor	
5) Vertex Adjust Line 4		-3.75		-7.25	and the	the surger	AND!
6) Insert Fit Factor	(-) 0.25	(+) 0.25	(-) 0.75	(+) 0.75			





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Ŭ WO O UNIVERSITY UNIVERSITY **Scleral Torics Scleral Torics Toric Optics** Fitting tips - Front surface toric design - 1st Perfect the fit - For sharper vision - Minimal movement - Minimal rotation - Residual astigmatism Good centration -Good comfort . **Toric Curves** - 2nd Check flexure - Peripheral Curves - K's over lens - For better fit More than 0.75D of flex can cause residual astigmatism -- For better comfort Thicken the lens . - 3rd Add front surface toric optics - For better centration









