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Michelle J. Hoff, OD, FAAO, ABOM, FNAO University of California Berkeley | Associate Professor of Health Sciences Mindful Eyes Foundation | Founder and Executive Director Mindful Eyes Foundation | Founder and Executive Director Mindful Eyes Foundation | Founder and Executive Director Mindful Eyes Foundation | Founder and EEO Doctor of Optometry (OD) Master in Ophthalmic Optics (ABOM) Registered Spectacle Lens Dispenser (CA-SLD Licensed Optometrist (CA-DCA)

Disclosures

- The content of this course was developed independently without commercial bias or influence
- Consulting History
 - O SightLine Ophthalmic Consulting
 - O Visionix
 - O Essilor Instruments, USA
 - O Topcon Healthcare

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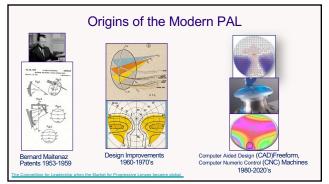
Learning Journey Objectives

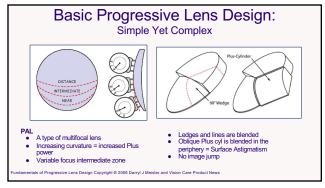
- Progressive Lens DNA
 -Surfacing

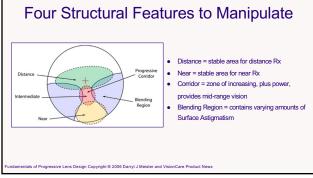
 Traditional vs Digital Design Features:
 Enhanced
 -Design
 Dual
 All Back Surface
 -Aberration
 Hard vs Soft
 -The Drop
- -The Drop -Vertical Power Change

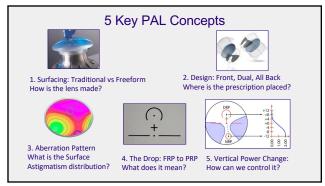
Review of manufacturers latest technology and product portfolios Patient Case Review

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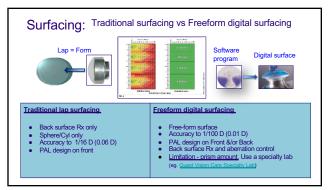


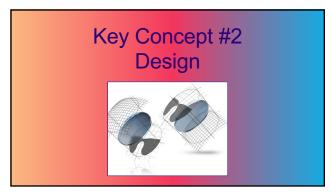


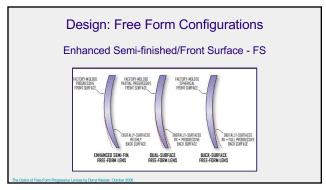


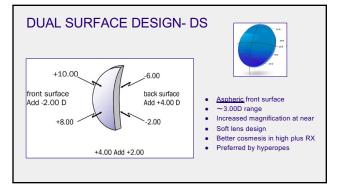


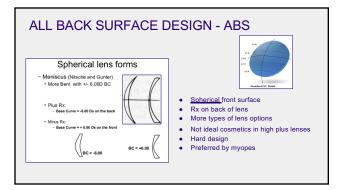


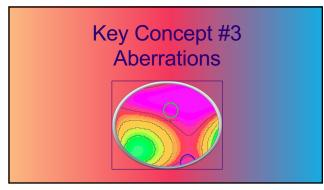


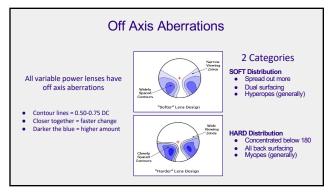


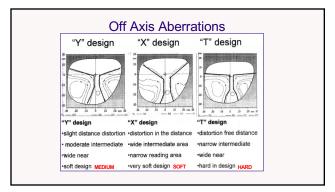




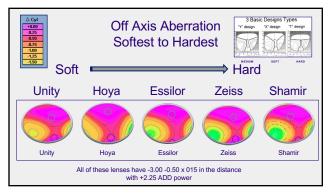


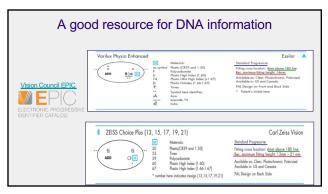


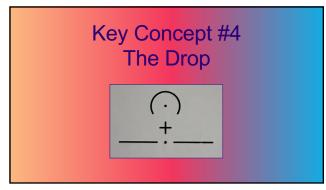


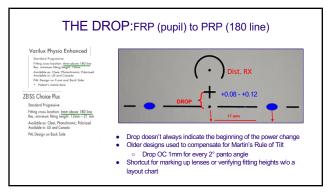


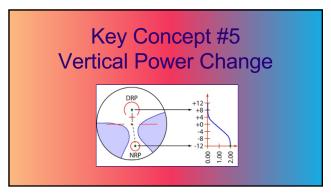






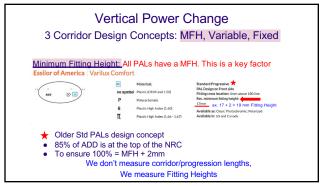






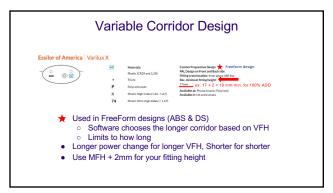
Vertical Power Change Definition of a Corridor • There is no industry accepted definition of a corridor • Common definition "Area where the power transitions from Dist to Near" Lens designers • Don't use the term "corridor" • Prefer "Progression Length" • Area of the lens that contains 10% to 90% of the ADD power Power Length (PL) is at the discretion of the lens designer • Position • Bottom of DRC • Fitting Cross • Prism Ref. Point • Length • Long or short • Inset depends on reading habits or NPD

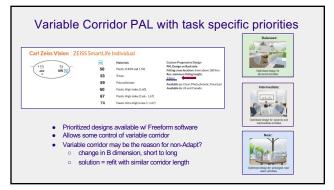
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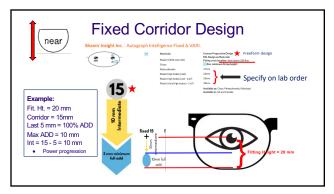


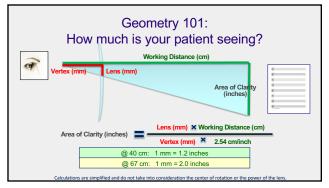
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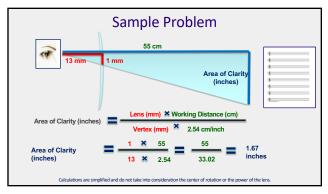
SIDE BAR: Factors Affecting MFH Frame Shape Pilot Angular Bridge placement Wide/thin nose Pupillary Distance Narrow/Wide All of these can benefit or take away from the MFH



















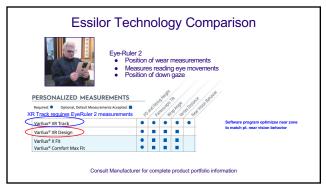
Free From PAL 2 Cat. N Varilux XR 14/4(DS) Varilux X Fit 14/4(DS) Varilux X Fit 14/4(DS) Varilux X Fit 14/4(DS) Aberration Soft, X = DS Medium Soft, Y = ABS

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Improved Varilux XR Essilor Technology Xtend Technology Optimizes intermediate zone for digital devices Wider FOV along power progression Decreased head movements for within arm's length viewing XR-motion Technology Replaced SynchronEyes Software calculates R/L Rx as matched pair Provides similar images to each eye Applied to all fields of gaze Improves binocular function Illustrates zones of interest and eye movement patterns between points of interest.



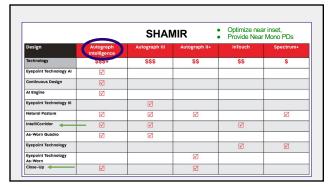
Free Form PAL 2 Cat. N CM (optional)	Free From PAL 1 Cat. O	3 Basic Designs Types "Y" design "X" design "T" design
iD MyStyle 3 14/4(DS) Tyro, Modern, Adventure, Detail, Stable	Array 2/ Wrap 11,13,15,17,VL/4(ABS)CM	MEDIUM SOFT HARD
iD LifeStyle 4 11,12,13,14,15,16VL(DS) Urban, Indoor, Outdoor		Aberration Soft X = DS Medium Soft Y = ABS







	Shamir Portfolio	
Free Form PAL 2 Cat. N (CM optional)	Free From PAL 1 Cat. O	
Autograph Intelligence 11,13,15,18,V/4(ABS)	Autograph II 11,13,15,18,V/4(ABS)CM	Aberration Hard T = ABS
Autograph III 11,13,15,18,V/4(ABS)	Autograph II Attitude 18,15/4(ABS)CM	3 Basic Designs Types "Y design "X' design "T design
Attitude III Fashion 18,15/4(ABS) Attitude III Sport 18/4(ABS)		MEDIUM SOFT HARD



Shamir Technology Review





- Age matched database of head & eye movements across visual distance range
 Combined w/ Al = customize design for dynamic eye movements

- Benefits:

 Unequal near convergence

 Working dist. ≠ 40 cm

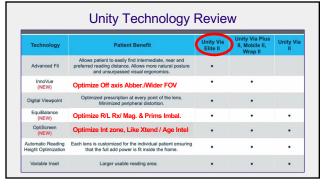
 Provide Dist and Near mono PDs

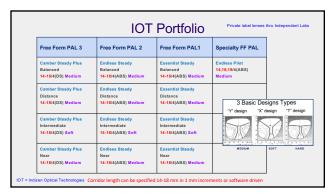
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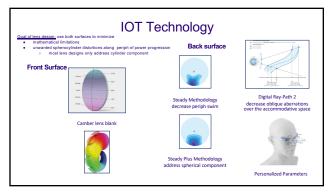
Zeiss Portfolio				
Aberration Hard T = ABS		Free Form PAL 2 Cat. N (CM optional)		Free Form PAL 1 Cat. O
3 Basic Designs Types "Clessign X design "T design		SmartLife Individual 13/6(ABS)	(variable)	SmartLife Pure (S,M,L) 14,16,18/6(ABS)
MEDIUM SOFT NARD		SmartLife Individual (S,M,L)14,16,18/6(AB	S)	SmartLife Plus 13/6(ABS)
SmartLife Intermediate and	l Near have	been replaced		SmartLife Superb 13/6(ABS)CM
Previous Design		New Design		
Individual		Individual 3		
Individual Near		Individual 3 M		
Individual Intermediate		Individual 3 L		



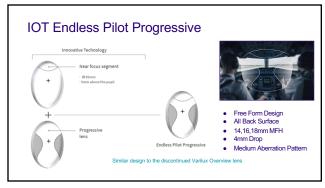
ree Form PAL 2 Cat. N (CM optional)	Free From PAL 1 Cat. O	Aberration Medium Soft Y = ABS
Via Elite II (variable) 12/4(ABS)	Via Plus II 12/4(ABS)CM	3 Basic Designs Types "Y" design "X" design "T" design
Via Elite II 12, 14, 16, 18/4(ABS)	Via Wrap II 12/4(ABS)CM	MEDIUM SOFT MARD







	IOT	Technolog	gy Compa	rison	
	Technology	Essential Steady Good	Endless Steady Better	Camber Steady Plus Best	
	Camber			•	
	Steady Plus Methodology			•	
	Steady Methodology	•	•		
	IOT Digital Ray- Path 2		•	•	
The Optical Jo	ournal I <u>ndependent (</u>	Optical Laboratories In	The United States		·







What are you going to prescribe for Ted? Ted is a 53 y.o M. Entertainment Attorney/Musician LEE: 2 yrs. CC: decreased Dist & Int vision Pt wears 2 pair of glasses (SVD and SVN) Interested in all purpose glasses Lensomer University Dist. Rx OD -2.75 -1.25 x 085 20/25 OS -3.00 -1.50 x 085 20/25 Near Rx (Effective ADD = +1.50) OD -1.25 -1.25 x 085.6M OS -1.50 -1.50 x 085 20/15 OD -3.25 -1.25 x 085 20/15 OD -3.25 -1.25 x 085 20/15 Fitting Height = 22 mm that is similar to the one he wears.

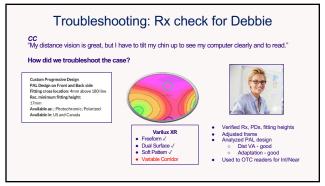
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Lens Po	ortfolio	
Varilux XR Design Technology 14/4(DS)	Variable corridor	
Varilux X Design Technology Fit 14/4(DS)		
iD MyStyle 3 14/4(DS) Tyro, Modern, Adventure, Detail,	Variable corridor	
Stable	DS/Soft design/ease of adaptation	Moderate Myope > +2.00 Add 1st PAI
iD LifeStyle 4 11,12,13 14 VL(DS Urban Indoor, Outdoor		Used to SV, wide FOV
SmartLife Individual 13/6(ABS) or (S,M,L)14.16/18	ABS/Myopes, Hard design/periph noise	OD -3.50 -1.50 x 085 Add +2.25 Fitting Ht. = 22mm
Autograph Intelligence 4 11,13 (15) 8,V/4(ABS)	ABS/Myopes, Hard design/periph noise	
Via Elite II 12.11 16, 18/4(ABS)	ABS/Medium Soft, less periph noise	

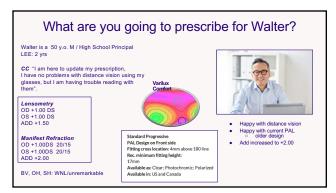
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First Time Progressive for Debbie Debbie 48 y.o. F / Supervisor First eye exam C: She doesn't like taking her glasses on and off and relies on them all day long. Lensometry + 2.50 OTC for reading and computer Work well for Int/Near, Takes off for Dist. Unalded acutites 20/25- OD 20/25- OD 20/25- OS Manifest Refraction OD +1.00 DS 20/20 OS +1.00 DS 20/20 DS +1.00 DS 20/20 BV, OH, SH: WNL/unremarkable.

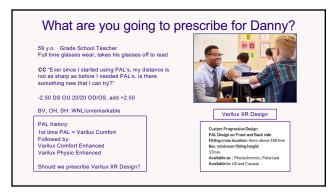
	Portfolio	7
Varilux XR Design Technology ← 14/4(DS)	DS/Soft design Variable Corridor	
Varilux X Design Technology Fit 14/4(DS)		
iD MyStyle 3 14/4(DS) Tyro, Modern, Adventure, Detail, Stable		
iD LifeStyle 4 11,12,13,14,VL(DS) Urban, Indoor, Outdoor		_
SmartLife Individual 13/6(ABS) or (S,M,L)14,16,18		Rx OD +1.00 DS OD +1.00 DS Add +1.50
Autograph Intelligence 11,13,15,18,V/4(ABS)		Fitting Ht. = 28
Via Elite II 12, 14, 16, 18/4(ABS)		

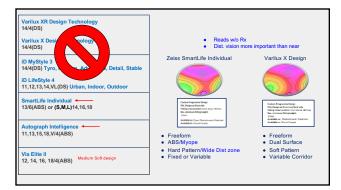


Varilux XR Design Technology 14/4(DS)		
Varilux X Design Technology Fit 14/4(DS)		
iD MyStyle 3 14/4(DS) Tyro, Modern, Adventure, Detail, Stable		Variable Corridor
iD LifeStyle 4 ← 11,12,13,14 VL(DS) Urban (ndoo), Outdoor	Control the position of the near zone DS, Soft design ease of adaptation	
SmartLife Individual 13/6(ABS) or (S,M,L)14,16,18		Short Corridor
Autograph Intelligence 11,13,15,18,V/4(ABS)		Rx OD +1.00 DS OD +1.00 DS
Via Elite II 12, 14, 16, 18/4(ABS)		Add +1.50 Fitting Ht. = 28



If it's not b	roken, don	't fix it?
Varilux XR 14/4(DS) Customizable with POW Varilux X Fit 14/4(DS)	Varilux X 14/4(DS)	DS/Soft design Less periph noise Ease of adapt to higher ADD power
ID MyStyle 3 144(IOS) Tyro, Modern, Adventure, Detail, Stable ID LifeStyle 4 11,12,13,14,VL(DS) Urban, Indoor, Outdoor		
omparing +2.00 ADD Comfort	Varilux X	Varilux XR







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- Apply the DNA concepts when recommending and troubleshooting PALs
- Be able to discuss the benefits and limitations of the different lens designs
- Match the design characteristics to the visual needs
- Make changes based on analysis

At the End of the Day



- Did I address the chief concern with the appropriate recommendations?
- ♦ Is it an improvement over what they are used to?
- Continue to develop your skills in the art and science of vision care
- Practice with compassion

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On behalf of Vision Expo, I sincerely thank you for being here 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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Experience EXPO With Us! • Main Stage - Exhibit Hall - Booth P1586

- - OptiCon General Session: Presented by United Opticians Associations (UOA) A Conversation with Scott Shapiro, Thursday, 12:30pm 1:30pm
 - UOA College Bowl, Friday, 12:30pm 1:30pm
- OptiCon Hub Exhibit Hall Booth P1271

The OptiCon Hub is brought to you by the United Opticians Association (UOA). The UOA is the international member-based organization that represents Opticians, Contact Lens Technicians and Ophthalmic Allied Professionals.

• Exhibit Hall Hours Thursday, Feb 20 9:30am - 6:00pm 6:00-7:00 pm Friday, Feb 21 6:00-7:00 pm 9:30am - 6:00pm Conferee Happy Hour

Conferee Happy Hour

Socials @ Poolside - Rosen Centre Wed, Feb 19

Thur, Feb 20