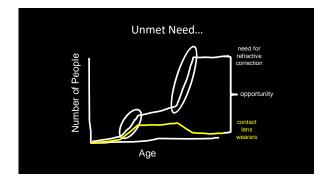


Disclosure

- Unfortunately, Mile Brujic has no financial or proprietary interest in any of the products that are mentioned
 I have received honoraria in the past 2 years for speaking,
- I have received honoraria in the past 2 years for speaking, writing, participating in an advisory capacity or research from: ABB Optical, Akorn, Alcon Laboratories, Allergan, Art Optical, Avellino, Bausch + Lomb Health, Contamac, CooperVision, Euclid, Eyevance, Johnson & Johnson Vision Care, Luneau, Lenstech, Oculus, Optovue, Sight Sciences, Sun Pharma, Tangible Science, TelScreen, TruForm Optics, Valley Contax, Visionary Optics, VMax Vision, Walman Optical, Weave, Zeiss and Zea Vision
 - Owner of:
 - Premier Vision Group
 Optometric Insights
 - Brujic Consulting

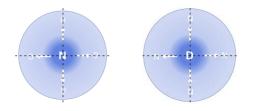


Multifocal Contact Lenses

-Daily Disposables

- -Dailies Total 1, Dailies ACP
- -Biotrue
- -MyDay, Clarity
- -Acuvue 1 Day Moist, Oasys Max
- -Frequent Replacement
 - -Air Optix
 - -Ultra
 - -Biofinity
 - -Oasys

Multifocal Lens Design



In Office Availability

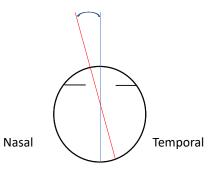
-Near center-distance periphery design -Silicone Hydrogel – Samfilcon A -46% water -Sphere: +4.00 to -6.00 in 0.25D steps -Cyl: -0.75, -1.25, -1.75, -2.25 -Axes: 10 to 180 in 10° Steps -Low Add (up to +1.50 add) -High Add (greater than +1.50 add)



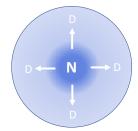
Toric Multifocal

D lens and N lens -10.00 to -6.50; 0.50 steps -6.00 to +6.00; 0.25 steps +6.50 to +10.00; 0.50 steps Cylinder Powers: -0.75 to -5.75; 0.50 steps in 5° increments Add Powers: +1.00, +1.50, +2.00, +2.50

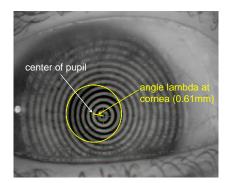


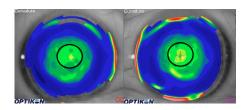


Multifocal Lens Design

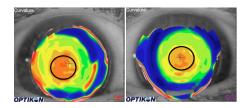




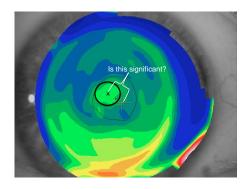




The Multifocal Success!



The "OK" Multifocal Experience!



How Important Is Optical Placement in Multifocal Lenses?









Effects of Line of Sight on Patients' Vision

Introduction
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Method

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Scleral Lens with off center near optics

• Available in the Zenlens multifocal



http://www.aldenoptical.com/products/soft-specialty/zen-multifocal/zen-multifocal/

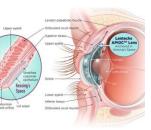
OptiSync Technology

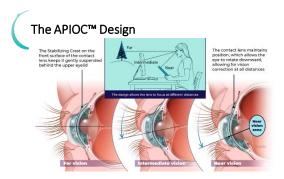
- Available in the SpecialEyes 54 Multifocal
- Offset of multifocal optics nasally



APIOC[™] Leverages Lid Anatomy

- Recent advances in material, engineering knowledge, and manufacturing techniques allow for suspension of soft lenses
- Uses the lid wiper as the inspiration for the unique design feature: The Stabilizing Crest[™]
- Balance Zones help ensure rotational stability and centration
- The unique features and optical zone allow for discrete vision correction at ntermediate and





Theravision



New Delivery Mechanisms

- myeyeris.com
- Advanced doctor locator
- Hioxifilcon A (59% water); 8.5/14.3/-9.00 to +2.25



New Contact Lens Technology



Infuse

- \bullet Scientists at B+L looked at the DEWS 2 report to provide guidance on the design of the lens
- Poloxamine 1107 and poloxamer 181 in lens retain lens moisture
- Erythritol and glycerin present in the lens (helps maintain ocular surface homeostasis under hyperosmotic stress)
- · Potassium is critical electrolyte for ocular homeostasis

New Contact Lens Technology



New Solutions



Myopia Progression Management



MiSight

- First FDA approved contact lens that slows myopic progression in children ages 8-12
 Approved on November 18, 2019
- Launch in US March 2020



A 3-Year Randomized Clinical Trial of MiSight Lenses for Myopia Control

Paul Chamberlain, BSc,¹⁺ Sofia C. Peixoto de Mator, MSc,² Nicola S. Logan, PhD,² Cheryl Ngo, MBBS, MMed, Deborah Jones, BSc, FAAD,³ and Graeme Young, PhD, FAAD⁴

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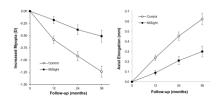
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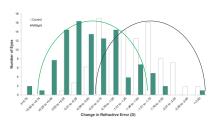


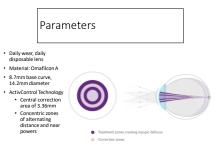
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Misight Data

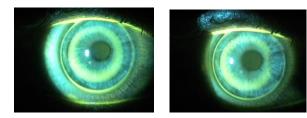


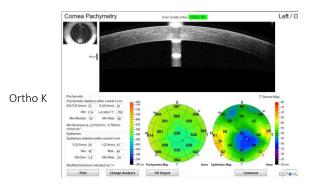
Misight Data

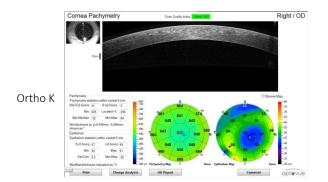




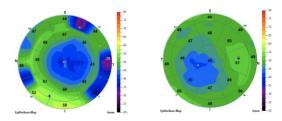
Orthokeratology







Anterior Segment OCT for Orthokeratology



Orthokeratology

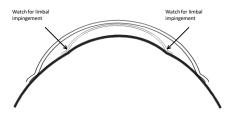


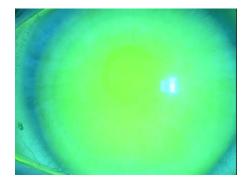


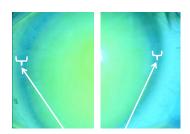
Pupil size



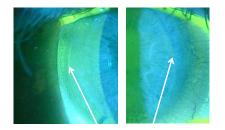
Limbal Impingement

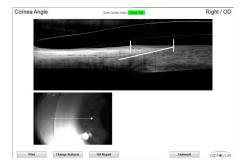


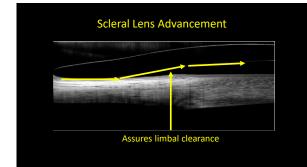


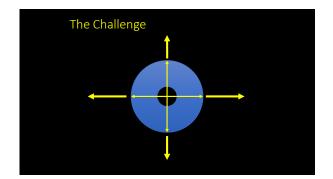


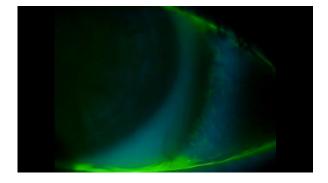


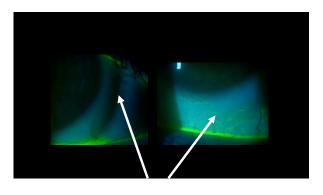


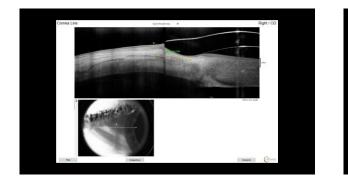


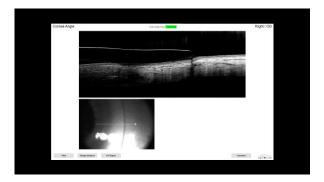


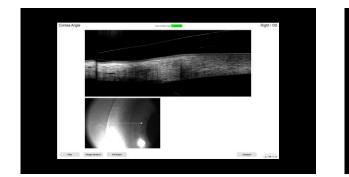




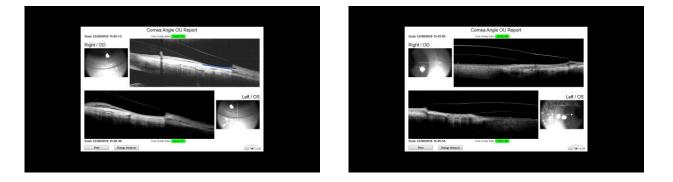


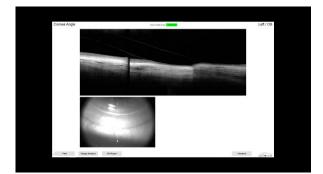
















Evaluation of Contact Lens Saline Solutions with Scleral GP Contact Lens Wearers Experiencing Fogging

- 36 subjects enrolled from three clinical sites (12 patients/site):
- Dr. Jeff Sonsino (Nashville, TN)
- Dr. Stephanie Woo (Lake Havasu, AZ)
- Dr. Mile Brujic (Bowling Green, OH)

Evaluation of Contact Lens Saline Solutions with Scleral GP Contact Lens Wearers Experiencing Fogging

- Existing scleral lens wearers
- Three visit study
- Patient randomized to either test product or control at visit #1
- Utliize for 2 weeks and is then seen for visit #2
- Patient utilizes other product for 2 weeks
- Patient is seen for visit #3

Evaluation of Contact Lens Saline Solutions with Scleral GP Contact Lens Wearers Experiencing Fogging

- TEST PRODUCT:
 - Sodium chloride, calcium chloride dehydrate, potassium chloride, sodium phosphate dibasic and magnesium chloride hexahydrate in purified water
- CONTROL PRODUCT 1:
- 0.9% sodium chloride
- CONTROL PRODUCT 2:
- Boric acid, sodium borate, and sodium chloride in purified water

Evaluation of Contact Lens Saline Solutions with Scleral GP Contact Lens Wearers **Experiencing Fogging**

- Age range (21 to 77 years old)
 Comfort scores were equal among the test and control products
- Number of hours worn (Test product12.5 hrs, control12.7 hrs; no difference) Number of hours of perceived comfort (test product 11.1 hrs, control product 11.3 hrs, no difference)
 Number of times contact lens was removed during day (no difference)

- Measured Visual Acuity (no difference)

	Test Product		Control #1		Control #2	
	N	Mean	N	Mean	N	Mean
Fogging	36	50%	16	50%	18	61%
MidDay_Cleaning	36	39%	17	41%	18	50%
Lens_Awareness	36	53%	17	71%	18	39%
Wetability	36	19%	18	28%	18	22%
SurfaceDeposit	36	22%	18	17%	18	11%
Centration	36	6%	18	0%	18	6%
Movement	36	8%	18	0%	18	11%

Evaluation of Contact Lens Saline Solutions with Scleral GP Contact Lens Wearers Experiencing Fogging

• Further questions:

- What is the objective hyperemic scores?
- What is the objective fogging of the post lens tear film resevoir? What is the effects on epithelial thickness after exposure to
- various formulations?

Scleral Lens Insertion







Scleral Lens Insertion





https://www.seegreenlight.com/

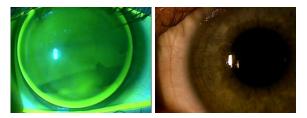
Scleral Lens Insertion





https://augmentedvisionlabs.com/

GP Lenses



Tangible Hydra-PEG

- •Polymer encapsulates lens
- Improves wettability
- Increases surface water retention
- Increases lubricity
- Reduces deposits

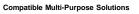
Tangible Hydra-PEG

Without Tangible Hydra-PEG

With Tangible Hydra-PEG



Lens Cleaning Regimen



Compatible Peroxide Solutions



Tangible Hydra-PEG

- •Cannot use abrasive cleaners
- •Cannot use water to rinse lenses
- Tangible Boost
 - Will re-build the tangible coating on the lens



New high oxygen permeable material Tisifilcon A 180 Dk

