It's Just a Contact Lens

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Course Description

This course was to designed to help ophthalmic professionals with basic contact lens terminology to better converse with their patients. Too many times we rely on interrupting the optometrist for a conversation we should be happy to have. Discussion will include topics such as cornea, base curve, keratometry and the various types of contact lens designs to correct refractive errors.

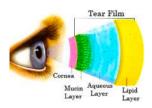
What is a contact lens?



Our Tears Are So Important

I cry sometimes.

- The surface of our eyes are kept moist by the tears formed by the lacrimal glands
- Hydration is maximized by a thin film of oil secreted by the meibomian glands over the layer of tears
- Keeps the globes moist which provides a smooth corneal refractive surface.



What is "K"?

The flattest meridian measured by keratometry

- Fit on "K"
- Flatter than "K"
- Steeper than "K"

How does the Lacrimal Lens Affect "K"?

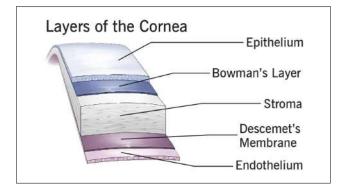
- Plano tear layer
- Minus tear layer (FAP)
- · Plus tear layer (SAM)



The Cornea

- Clear, transparent structure with a nice and shiny surface.
- Most of refraction in the eye takes place through the cornea.
- The cornea is relatively large at birth, being fully developed by the age of 2.
- · Contains no blood vessels





Let's Talk Base Curve

The radius of curvature of the central posterior surface of the lens

The BC may be expressed in diopters or millimeters

The BC has both a radius of curvature and a diameter(OZ)





It's Two More Curves!

SECONDARY CURVE

PERIPHERAL CURVE

What About the Lens Edge	
Anterior Zone	
Posterior Zone	
Edge Apex	
Techniques Used To Correct and Manage	
Prism Ballast	
Truncation	
The 4 Main Categories	
Spherical	
Front Surface Toric	
Back Surface Toric	
Bitoric	



2 Types of Contact Lenses

SOFT & RIGID

Modern Contact Lens Designs

Spherical Toric Multifocal

RGP Lenses

Rigid Gas Permeable

Hybrid



Specialty Designs

Colored & Cosmetic



Orthokeratology

ORTHO-K LENS

Scleral

Medical & Cosmetic

Monovision

Well, let's just say specialty use.



Well, how long do I suppose to wear them?

"I know I should do better but..."



Daily Disposable

DAILY!

Extended Wear

Two-Week & Monthly

Continuous Wear

Quarterly & Yearly

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Subjective Findings	
What to do if your patient says:	
I feel like my vision is distorted	
This lens is causing too much pain!	

This lens burns as soon as I insert it.	
These lenses are itching.	
Why is my lid swollen?	

These lenses are foggy.	
D. TL.	
Be The	
Professional! That's the purpose of your certifications and license.	
THANK YOU, NOW GO AND BE GREAT!	