

Practice Development Educational Series

Getting Started with Scleral Lens Fitting



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Getting Started with Scleral Lens Fitting
Presented by Nettie Hines, OD

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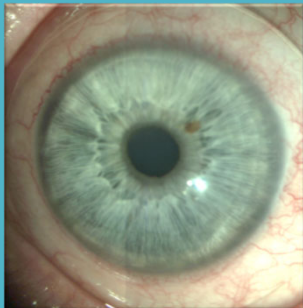
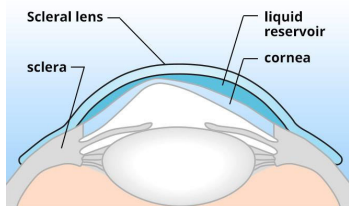
UABSO c/o 2017
Focused on anterior segment disease and specialty contact lens fittings
Recently opened HineSight Vision Care in Flowood, MS
Created a unique practice utilizing the most innovative designs of contact lenses
Passionate about scleral lenses and improving patient's quality of life



HineSight
VISION CARE

Getting Started with Scleral Lenses

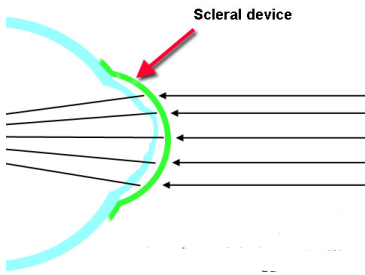
By: Nettie Hines, OD

What are Scleral Lenses?

- Large diameter RGP contact lenses
- "Vault" over the cornea and rest on the sclera/conjunctiva
- Liquid reservoir between the lens and the cornea

Scleral Lenses vs. Other Modalities

Scleral lenses are often lifechanging!!

- DRASTIC VISUAL IMPROVEMENT
- COMFORTABLE WEARING EXPERIENCE
- OCULAR HEALTH BENEFITS

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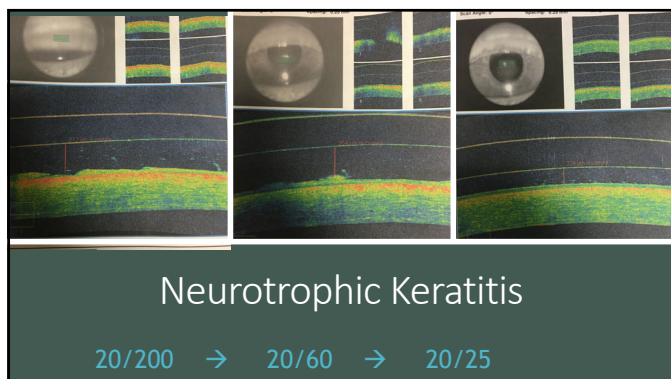
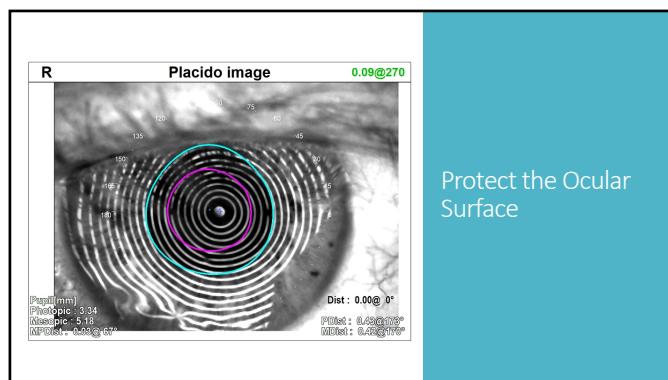
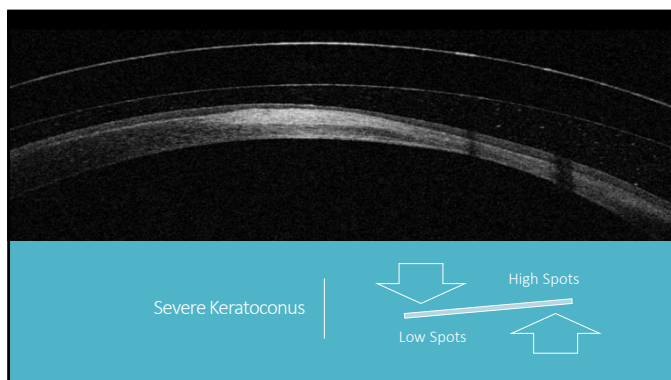
Why utilize scleral lenses?

1. Neutralize Corneal Irregularity
2. Protect the Ocular Surface
3. Correct Refractive Error

Primary
Corneal
Ectasias

Secondary
Irregularity

Neutralize
Corneal
Irregularity



Refractive Error Correction



HIGH REFRACTIVE
ERROR



VISION OPTIMIZATION



PRECISE VISUAL
REQUIREMENTS

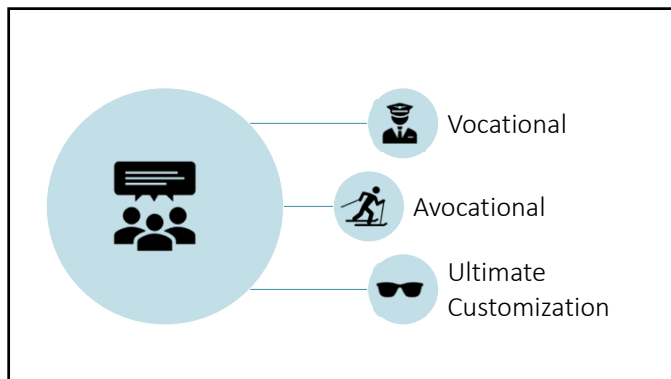
Nettie Hines, OD

February 19, 2020

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Let's start fitting scleral lenses!




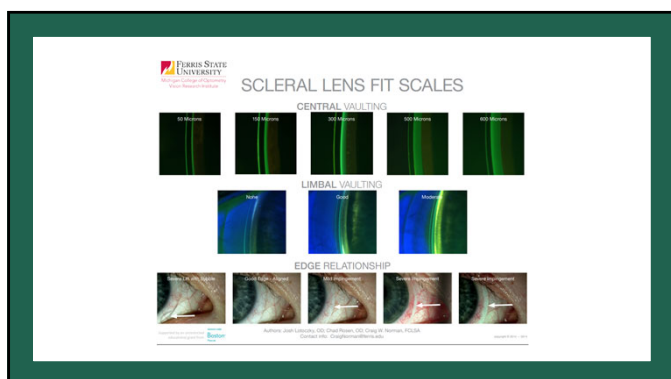
Choosing initial diagnostic lens

Follow the Fit Guide

Take into consideration

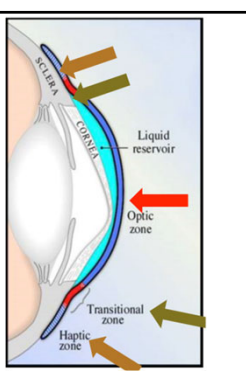
- HVID → diameter
- Height → (sag) depth of the lens
- Shape → Lens Geometry (prolate vs. oblate)

Visualizing profile of the eye from the side

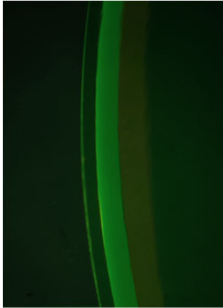
Fitting Basics

- Step 1: Central Clearance
- Step 2: Limbal Alignment
- Step 3: Smooth Landing



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Central Clearance

100 - 200 um from highest point (after settling)

****No Corneal Touch!**

Watch for Excessive Vault

Limbal Alignment

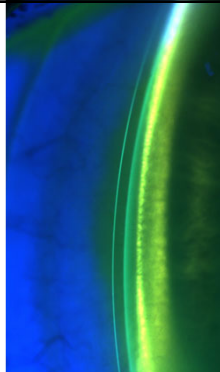
Center → Midperiphery → Limbal

Goal: Taper with evenly distributed fluid layer

Look closely at the limbus

Avoid Limbal Bearing

Avoid Excessive Limbal Clearance



Landing Zone

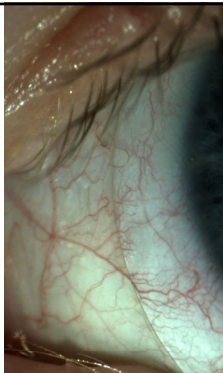
Goal: Well distributed with a smooth, even landing

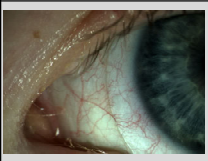
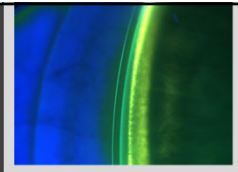
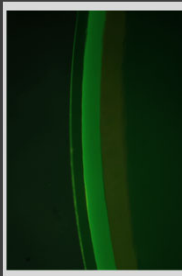
Edge standoff

- Localized discomfort
- Shadow
- NaFl leakage

Bearing


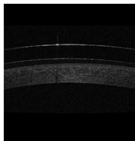
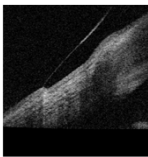
- Blanching
- Impression
- Seal Off










Evaluate 3 Critical Areas

- Central Clearance
- Limbal Zone
- Peripheral Zone

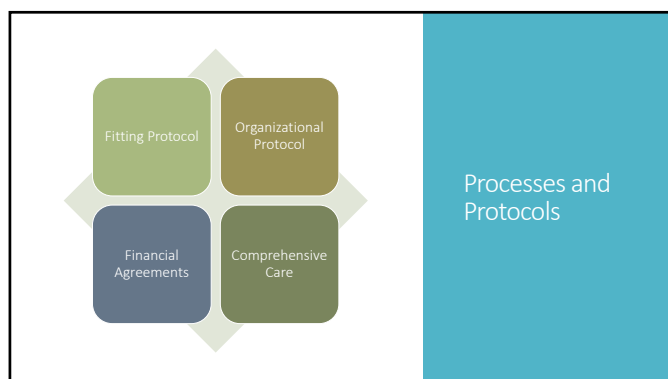
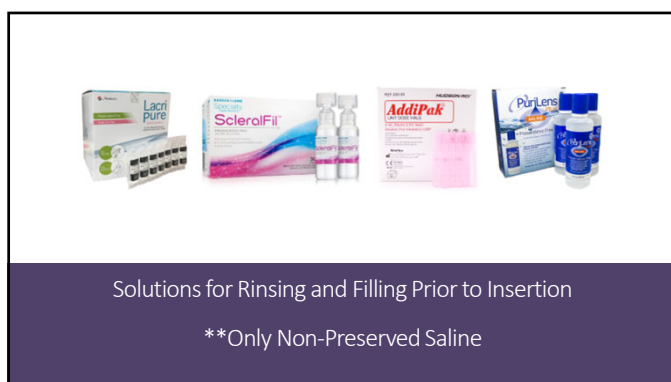
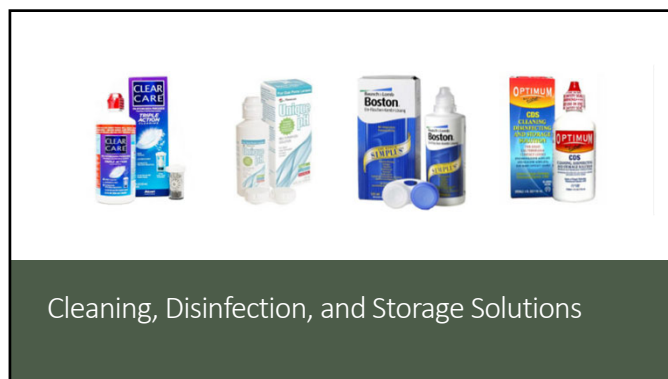
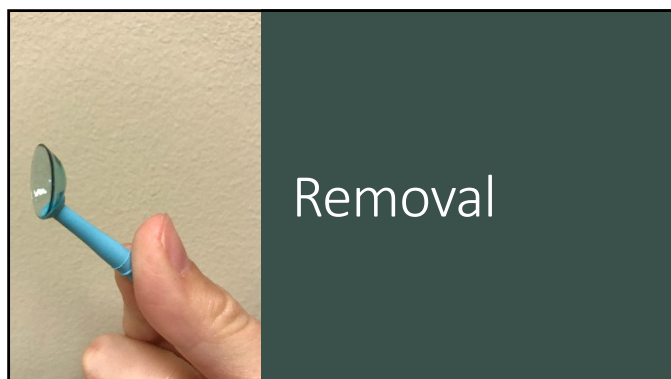
Progress over perfection

Application

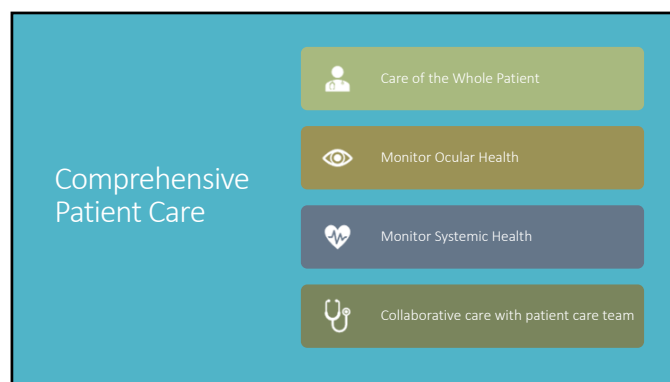
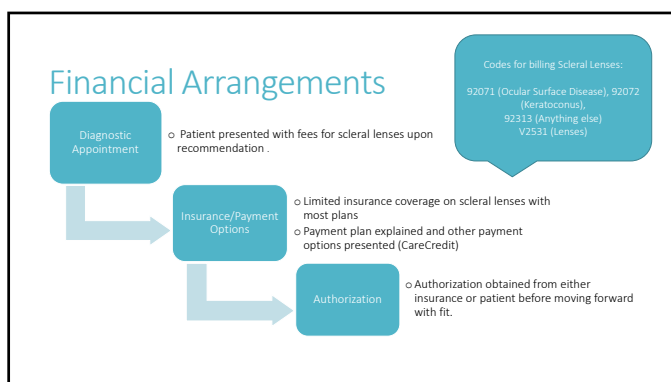
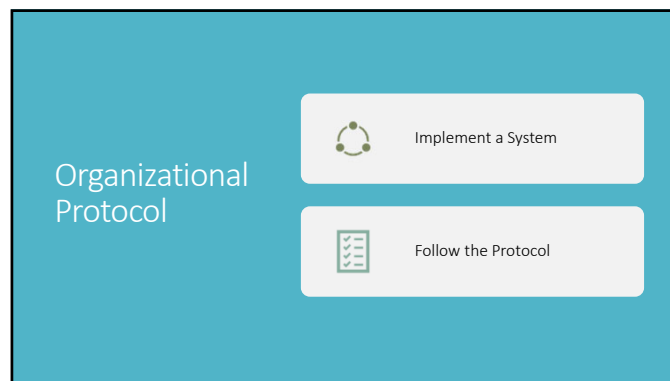
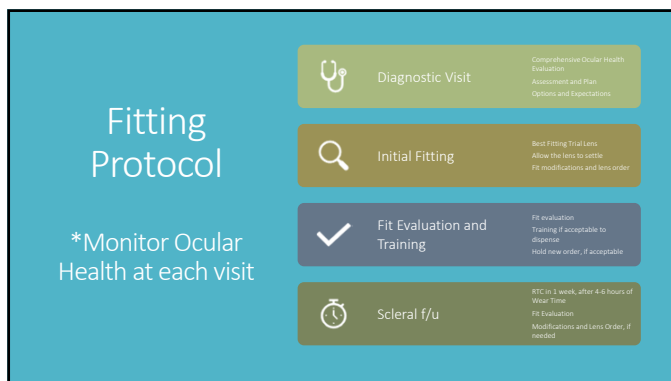
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The image shows a presentation slide for ABB Optical Group. At the top, the ABB Optical Group logo is displayed, featuring a stylized sunburst icon to the left of the text "ABB Optical Group". Below the logo, the title "Specialty Vision Products" is written in a large, bold, white sans-serif font against a dark blue background. At the bottom of the slide, the text "Presented by:" is followed by "Andy Jackson, Director, Specialty Vision Products" in a smaller white font. The very bottom of the slide features a small ABB logo and the text "FUTURE IN FOCUS" in a small, white, sans-serif font.

ABB Contact Lens
Specialty Vision Products

Manufactured & Distributed Products

Manufactured Lenses

- IOD ELEMENT
- IOD
- EUROPA OPTIQUE
- JUPITER SCLERAL*
- DYNIA Scleral*
- DYNIA Semi-Scleral*
- BENTLEY
- ROSE K2 XL*
- TANGENT STREAK*
- SpectraSoft
- SpectraVUE
- PURESIGHTS
- ACUVUE
- DYNIA Core*
- DEFINITIVE
- HAVEN OPTICS
- CONCRETE Custom
- CONCRETE Colors

Distributed Lenses

- International SCLERAL
- ATLANTIS
- AMFLEPPO
- e-COQ
- LIFEVIEW
- FORTAPLUS
- ESSENTIAL
- Synergy
- ADVANCEMENT
- Bionite

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ABB Contact Lens
Specialty Vision Products

Consultation Team & Support



ABB's team of highly experienced, professional lens consultants are dedicated to helping your practices grow their specialty lens business!



ABB | Specialty Vision Products

FUTURE IN
CONTACT LENSES

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Educational Opportunities

Education

All ABB vision products have the resources that you can use simply wherever you like, for an individualized educational path and exposure to the ABB technology and vision products.



LEARN AND LEARNS

- Virtual eye protection specific topics
- 3D eye model
- Distance
- Contrast
- Color
- Contrast
- Contrast

Basic Internet and Technology

- Virtual eye protection specific topics
- 3D eye model
- Distance
- Contrast
- Color
- Contrast
- Contrast

NET LABS

LINE WEARERS

RECORDED WEARERS

SCERAN LENS BOOT CAMPS

WEARERS

LOVE CHAT

- **Lunch & Learns**
 - lunchandlearn@abboptical.com
- **Webtats**
 - webtats@abboptical.com
- **Bootcamps**
 - May 29-31
 - Aug 7-9
 - Oct 9-11

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**ABB** Contact Lens
Specialty Vision Products

DeDe Reyes - New Role

Professional Education Consultant

- Staff Training
- Wetlabs
- Lunch & Learns
- Virtual Training
- School Programs
- Anything educational related for our customers!
- **Your biggest resource!!**



**ABB** ADVANCED OPTICS
FUTURE IN OPTICS


ABB Contact Lenses
Specialty Vision Products

Now Available! Loaner Fit Sets

- **New! ICD Flexfit Loaner Set**
- **Our #1 Product**



ICD
Flexfit
Scleral Diagnostic Fitting Set

ABB OPTICAL • CONTACT LENSES



No Risk
Loaner Set

ICD
Scleral Diagnostic Fitting Set

ABB OPTICAL • CONTACT LENSES

A No Risk Loaner Set

- ICD Flexfit
- Europa Scleral
- Jupiter Scleral
- DYNA Scleral & Semi-Scleral
- Infinity Scleral
- Rose K2 XL


ABB

FUTURE IN
CONTACT

Webinar Series Reminder

- 2nd Year Offering
 - 1st Year's recordings available online
abboptical.com/webinar-series
- Goal: To help you grow your specialty business!

A graphic for a webinar series. It features a light blue background with a white border. On the left, the text "Join us on" is in a large, dark blue serif font, followed by "Wednesday, May 20th at 9:00pm EST" in a smaller, dark blue sans-serif font. Below this, a light blue rectangular box contains the text "Orthokeratology and Myopia Management - where are we today?" in a dark blue sans-serif font, and "Maria Liu, OD, PhD, MPH, MBA, FAAO" in a bold, dark blue sans-serif font. On the right, the ABB Optical Group logo is displayed, consisting of a stylized blue sunburst icon and the text "ABB Optical Group" in a bold, dark blue sans-serif font.