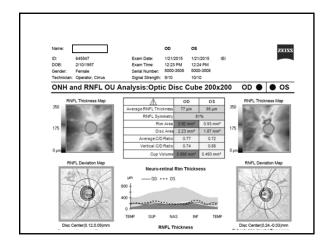
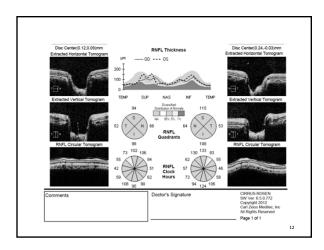
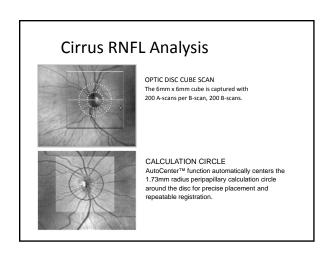


How to "Read" a Printout

- FIRST!: Signal Strength
 - A **KEY** indicator of image quality
 - Should be 7/10 or higher on Cirrus
 - DO NOT interpret poor quality scan as "red" disease
- · Well centered image
- · No evidence of movement artifact
- Review Plots and Displays
 - Thickness Map and Deviation Map
 - Quadrant and Sector Plots
 - TSNIT and Optic Nerve B-Scan Tomograms











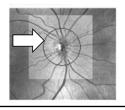
■ The RNFL thickness map shows the patterns and thickness of the nerve fiber layer within the 6mm x 6mm cube

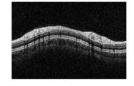


 The RNFL deviation map is overlaid on the OCT fundus image to illustrate precisely where RNFL thickness deviates from a normal range

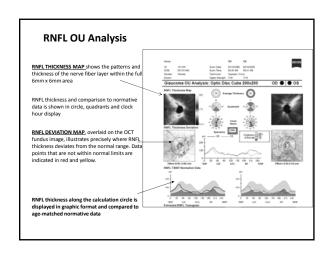
Glaucoma – RNFL Thickness Analysis

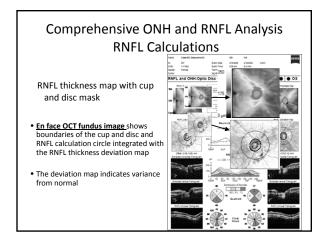
- A <u>TSNIT</u> (temporal-superior-nasal-inferior-temporal) circle, with a radius of 1.73mm, is established around the disc
- The LSO fundus image is shown with an OCT fundus overlay. The red circle indicates the location of the RNFL TNSIT circle

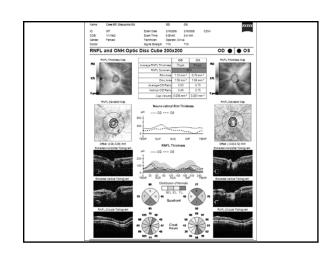


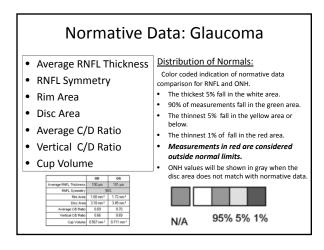


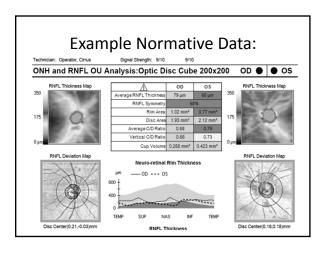
Glaucoma — RNFL Thickness Analysis RNFL thickness is displayed in graphic format and compared to agematched normative data Analysis RNFL thickness is displayed in graphic format and compared to agematched normative data

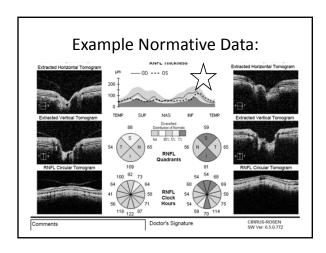


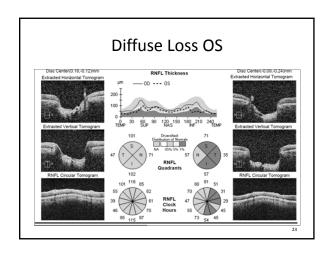


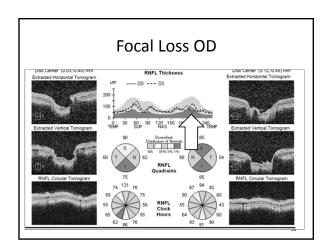


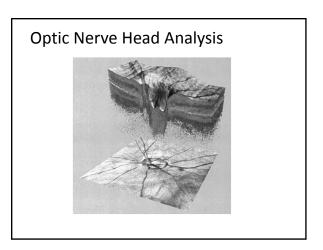


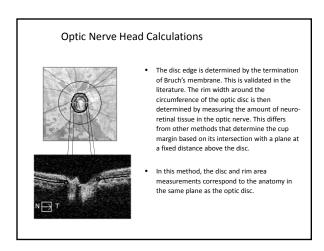


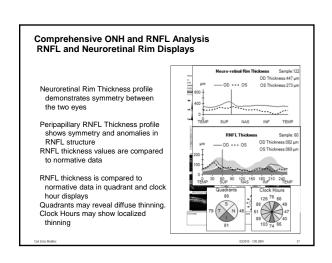


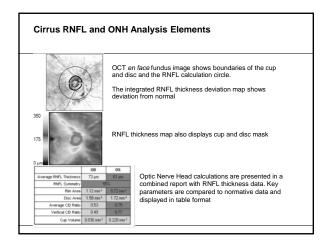


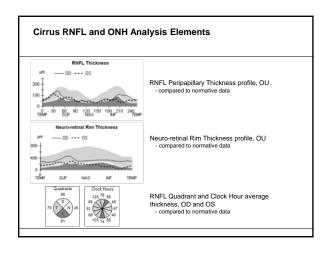


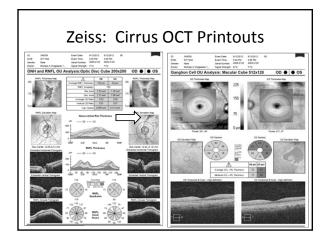












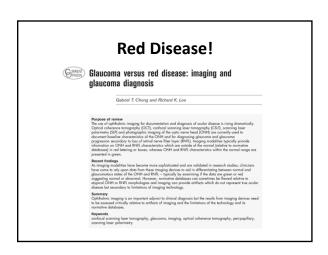
IS ALL OF THIS GREAT AND PERFECT??

What are practitioners' most common misunderstandings of imaging technology?

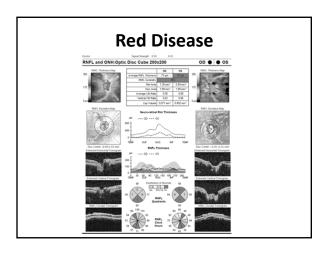
"The thought that these devices can diagnose glaucoma in the absence of corroborating clinical evidence is, in my opinion, the most common (and potentially dangerous) misunderstanding.

The limited normative databases against which scans are compared can never cover the remarkably varied appearance and structure of the optic nerve we encounter in normal individuals."

James Brandt, MD



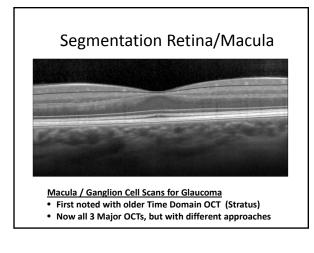
32

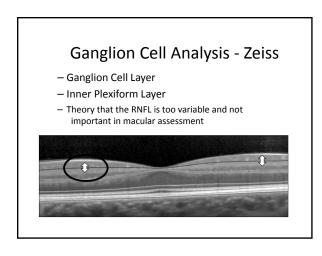


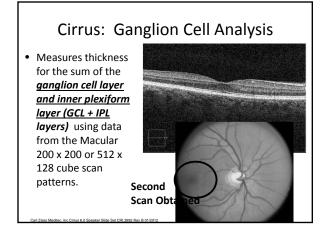
Read a Printout Summary

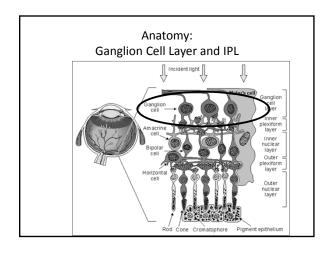
- Image Quality
- Step by step to review most plots.
- RNFL and Optic Nerve
- · Localized vs. Diffuse
- Normative Data
- Red Disease

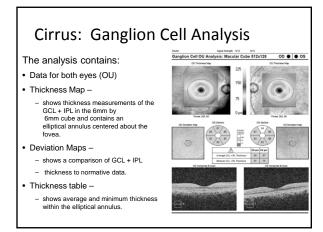
37

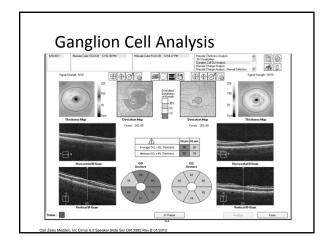


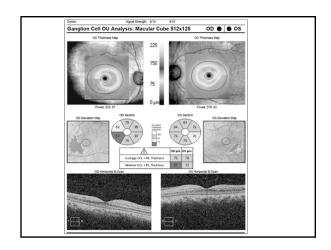


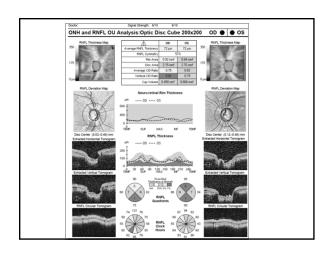


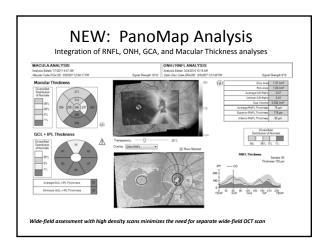












Macular/Ganglion Cell Analysis for Glaucoma: Key Points

- Is a "complement" to traditional RNFL scans
- Has a large number of false positives.
- Should <u>NOT</u> be used as the sole basis of a diagnosis for glaucoma.
- Not proven to make an earlier diagnosis.