

Cirrus™ HD-OCT

High Definition Spectral Domain Imaging



Cirrus HD-OCT — Enhancing Clinical Excellence with Spectral Domain Technology

Superb high definition image quality

- ZEISS optics provide superior visualization for even the most demanding retinal cases
- High definition OCT scans of the retina provide precise detail of retinal tissue and pathology
- LSLO live video allows for specific targeting of pathology or anatomy of interest and creates a beautiful high quality fundus image

Quantitative and qualitative analyses

- 3D retinal layer segmentation maps provide excellent visualization of pathology for therapeutic planning and monitoring
- Detailed thickness maps assist in monitoring disease progression or regression
- High definition, high resolution scans reveal anatomical detail for better visualization and understanding of disease pathogenesis

Designed to improve clinical workflow

- Small footprint and integrated design fit in a crowded or busy practice
- With the right angle patient to technician orientation, technician can easily view patient during set up and scanning
- Output displays relevant images and information on one screen
- Motorized chinrest and mouse driven alignment facilitate superior image capture with minimal operator training
- Offers data compatibility with Stratus OCT™

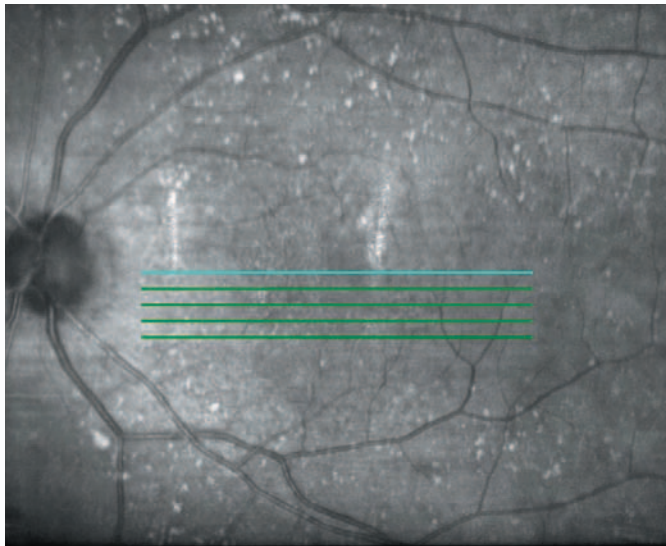
From Carl Zeiss Meditec, the leaders in OCT technology

- World class training by certified clinical application specialists
- On site support by ZEISS field service engineers
- Educational seminars and hands on workshops offered by ZEISS in cities around the world to enhance technical and diagnostic confidence

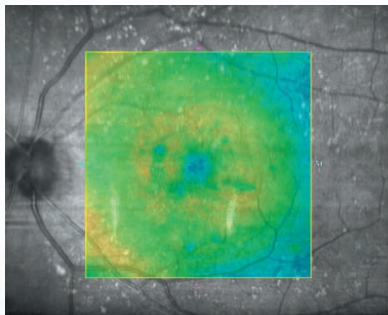


High Definition Imaging and Analysis for Detection and Management of Glaucoma and Retinal Disease

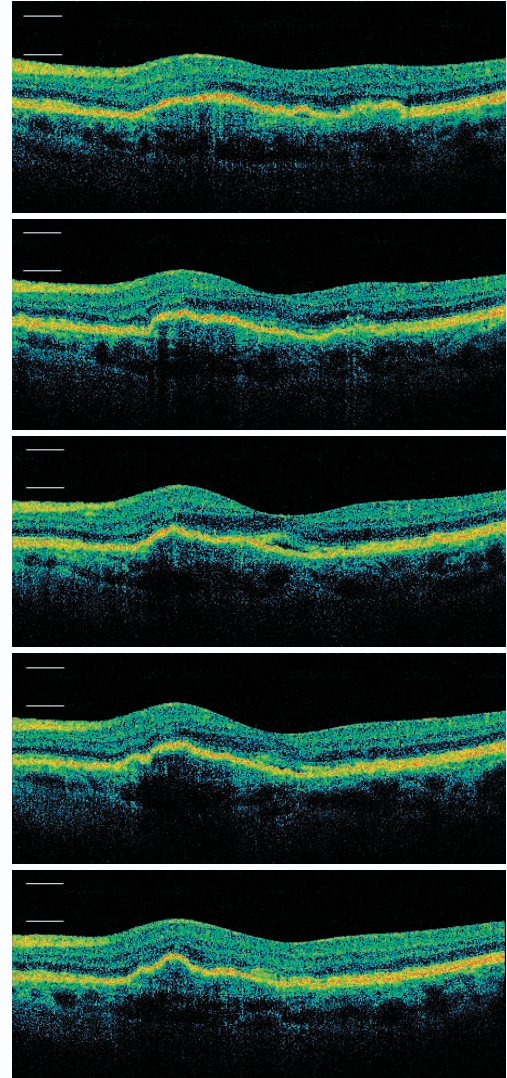
High definition images and data provide a precise assessment for pharmacotherapy planning. In this example of neovascular age-related macular degeneration, pathological details can be observed and monitored with Cirrus HD-OCT high definition cross sectional scans, 3D layer segmentation maps and fundus image with retinal thickness map overlay.



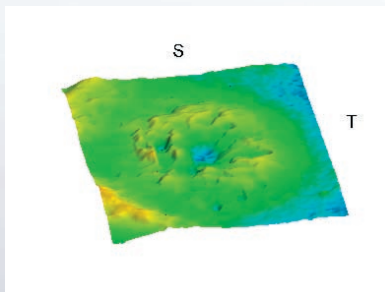
Precise location raster lines indicated on LSLO fundus image



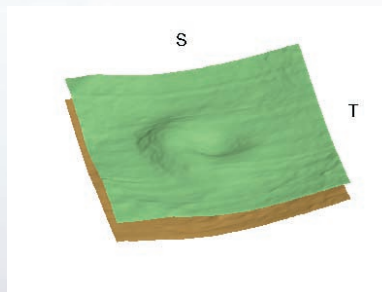
LSLO fundus image with overlay of retinal thickness map



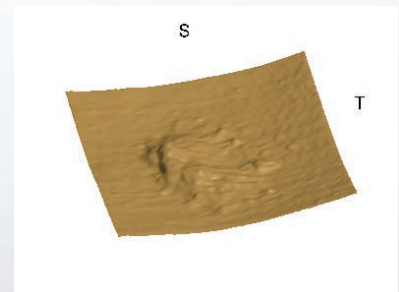
High definition cross sectional images and 3D layer segmentation maps of ILM and RPE provide detailed visualization of histology and pathology



3D Retinal thickness map



3D segmentation of RPE and ILM layers



3D segmentation of RPE layer

Cirrus HD-OCT

Technical data

OCT Scanning	<ul style="list-style-type: none"> • Axial resolution: 5 μm (in tissue) • Transverse resolution: 20 μm (in tissue) • Scan speed: 27000 A-scans per second • A-scan depth: 2.0 mm (in tissue), 1024 points • Field of view: 36 degrees x 30 degrees • Optical source: superluminescent diode (SLD), 840 nm
Fundus Imaging	<ul style="list-style-type: none"> • Live during scanning • Transverse resolution: 25 μm (in tissue) • Optical source: superluminescent diode (SLD), 750 nm
Focus Adjustment Range	<ul style="list-style-type: none"> • -20D to +20D (diopters)
Fixation	<ul style="list-style-type: none"> • Internal and external
Computer	<ul style="list-style-type: none"> • Windows® XP Pro • High performance multi-core processor • Internal storage: > 100,000 scans • CD-RW, DVD-ROM drive • Integrated 15" color flat panel display
Pupil Size Requirement	<ul style="list-style-type: none"> • Minimum: 2.5 mm • Optimal: 3.0 mm
Dimensions/Weight (Instrument Only)	<ul style="list-style-type: none"> • 65 L x 44 W x 53 H (cm) • 83 lbs
Electrical	<ul style="list-style-type: none"> 100-120V~: 50/60Hz, 5A 220-240V~: 50/60Hz, 2.5A

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