

CIRRUS HD-OCT

Certainty at the speed of CIRRUS

Introducing
FastTrac™
and NEW
CIRRUS models!

ZEISS

We make it visible.

The moment a subtle change in pathology
becomes a turning point in care.

This is the moment we work for.

// CIRRUS
MADE BY CARL ZEISS

Build your success.

Elevate your effectiveness.

Performance at the speed of CIRRUS.

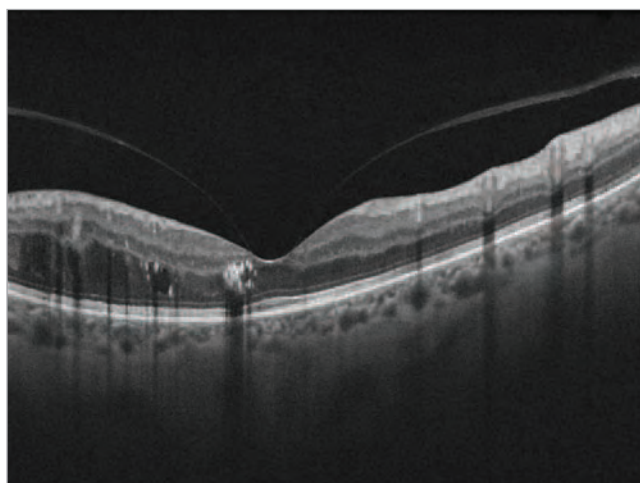
Rapid development over the last 10 years has made eye care more complex, comprehensive and challenging than ever before.

Powerful changes in demographics and trends in eye care are putting unprecedented demands on practices to keep pace, perform at the highest level and deliver better outcomes faster, to more and more patients.

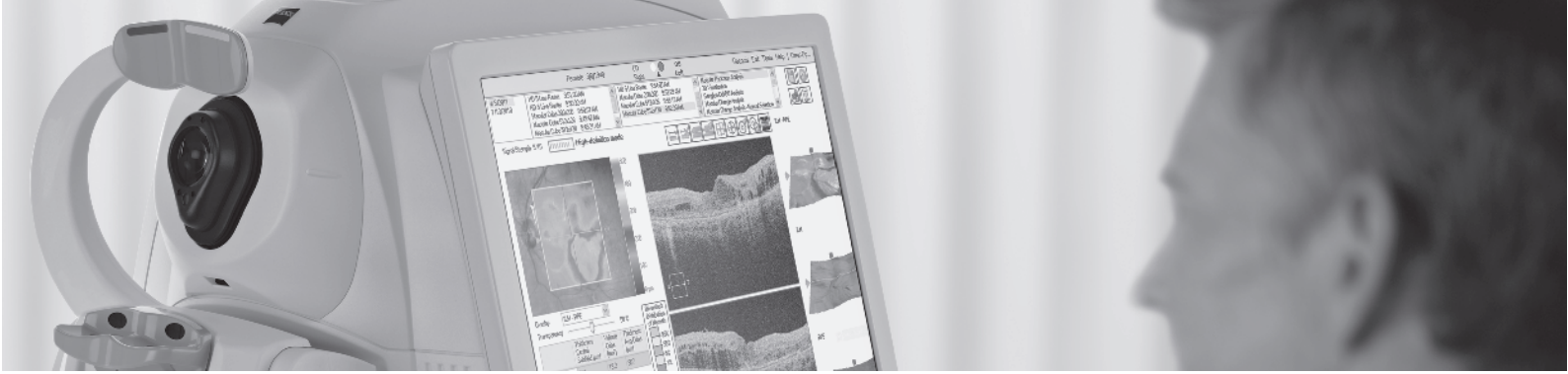
The CIRRUS HD-OCT 5000 and 500 enable eye care practices of all types to stay ahead of current and future challenges without compromise. CIRRUS delivers a carefully constructed set of sophisticated clinical applications that build one upon another to address rapidly-evolving requirements for diagnostics and disease management in retina, glaucoma and anterior segment populations. From broad comprehensive to advanced subspecialty practice, there's a CIRRUS designed for you.

Begin with a foundation of data and insight

The Carl Zeiss heritage of brilliant optics pervades all aspects of the CIRRUS experience, providing visualizations that are at once informative and inspiring as you view targeted tissue from multiple perspectives. In just seconds, CIRRUS creates a tightly-layered, insight-rich, multi-dimensional cube of data that allows you to visualize and analyze the vital dynamics of each patient's changing condition.



Cube Scan Pattern	Total Data Points	Spacing Between Lines
512 x 128	>67 million	47µm
200 x 200	>40 million	30µm



Clinical decisions at the speed of CIRRUS

Data is only the beginning

More than a single tool, CIRRUS delivers both exceptional visualization and precise measurement applications, each one a necessary building block in generating efficient, effective outcomes for your patients. Ultimately, the CIRRUS HD-OCT 5000 and 500 allow you to discover, track and analyze single pathological events from multiple points of view for greater CERTAINTY regarding your next important step in treatment.

Brilliant visualizations

Examine Retinal Details

Selective Pixel Profiling™ optimizes each illumination point in the 20 X HD Raster Scan, ensuring detail-rich visualizations that spotlight critical pathological elements.

Gain Deeper Insight

New Enhanced Depth Imaging focuses the signal lower in the scan window for assessment of the deeper choroidal tissue.

Visualize Change

New FastTrac™ on the CIRRUS HD-OCT 5000 precisely targets and captures the same tissue every time to ensure consistent comparison.

Insightful analyses

Reproducible Analyses

ZEISS proprietary algorithms measure and display layers for unsurpassed tissue targeting, segmentation, and reproducible measurements.

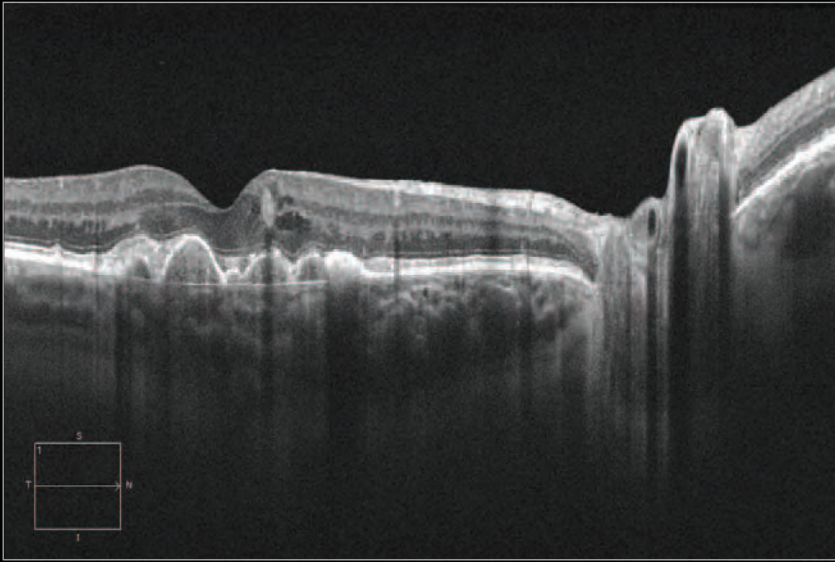
Comparative References

Diversified normative databases of ONH, RNFL, ganglion cell/IRL, and macular thickness facilitate at-a-glance identification of anatomy outside normal limits.

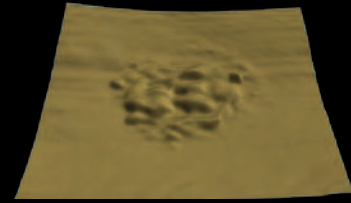
Change Measurements

All CIRRUS data cubes are automatically registered with historical data, allowing for point-to-point measurements of change.

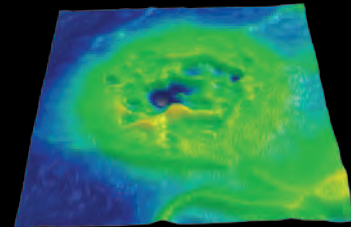
Age-Related Macular Degeneration



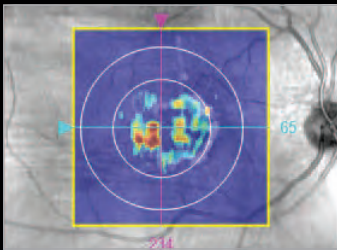
HD Raster



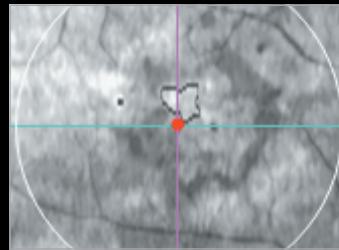
RPE Segmentation Map



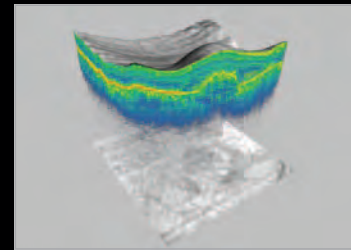
Macular Thickness Map



RPE Elevation Map

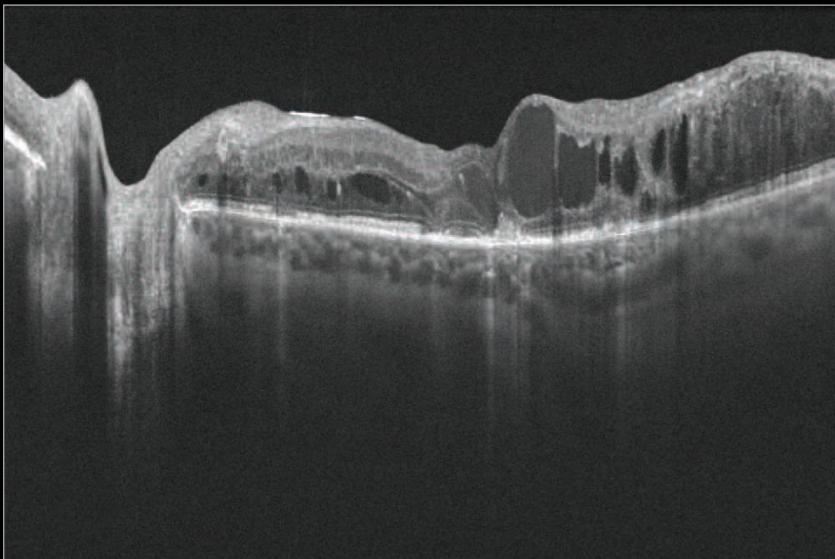


Sub-RPE Illumination Map

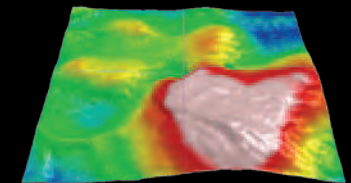


3D Visualization

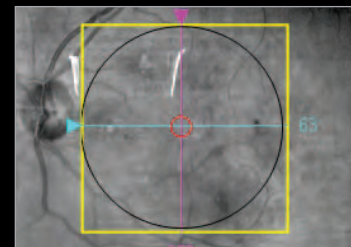
Diabetic Retinopathy



HD Raster

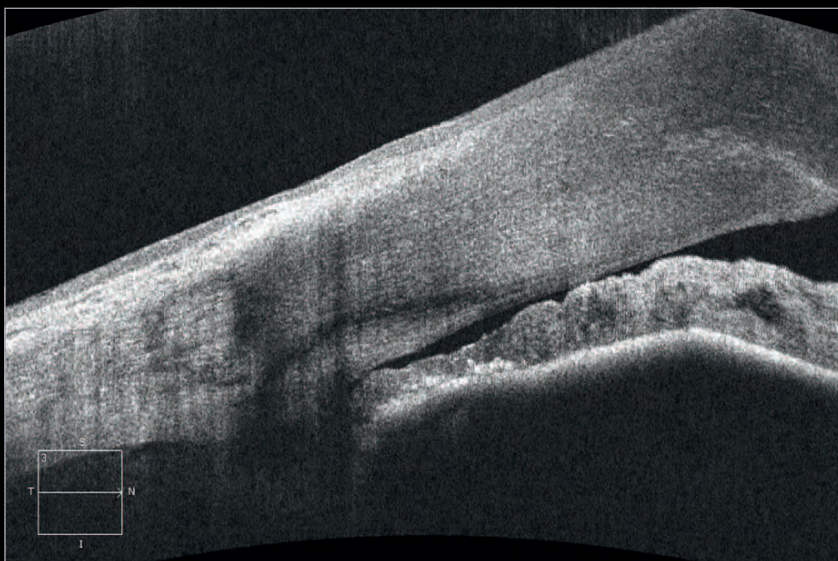


Macular Thickness Map

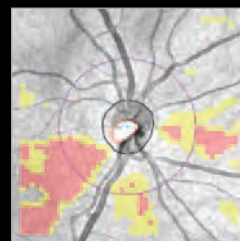


LSO Fundus Image with Raster Line

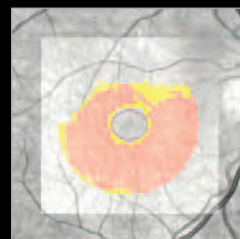
Glaucoma



HD 5 Line Raster

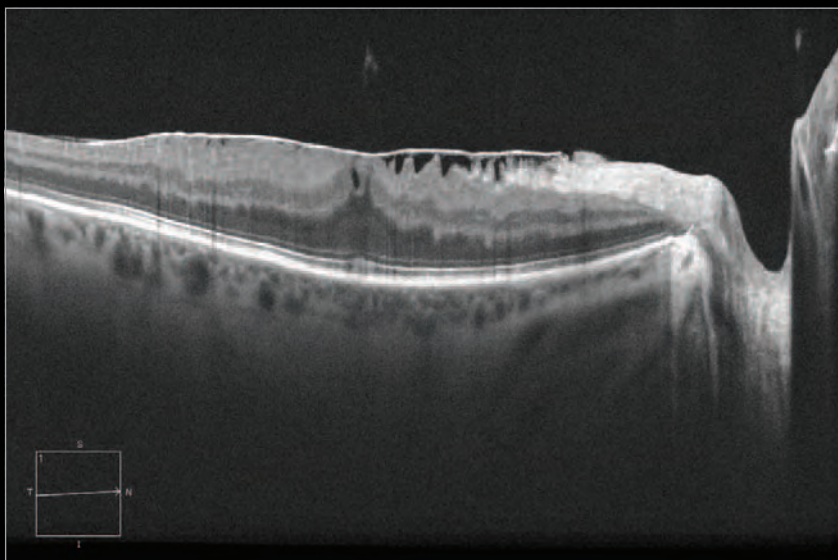


RNFL Layer Deviation Map

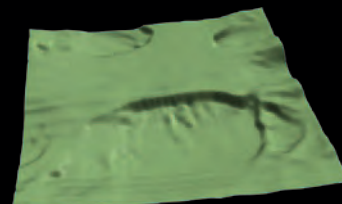


Ganglion Cell + IP Layer Map

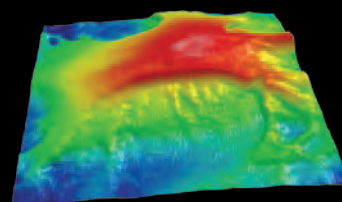
Epiretinal Membrane



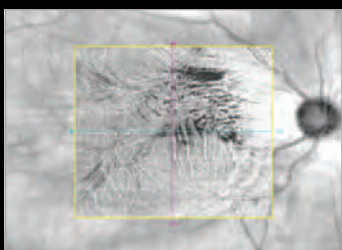
HD Raster



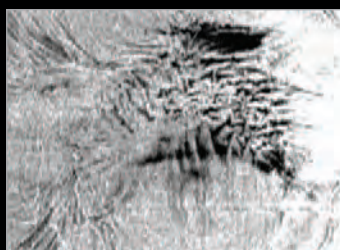
ILM Segmentation Map



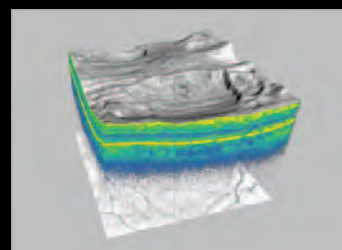
Macular Thickness Map



LSO Fundus Image with ILM Slab



Advanced Visualization™ with ILM Slab



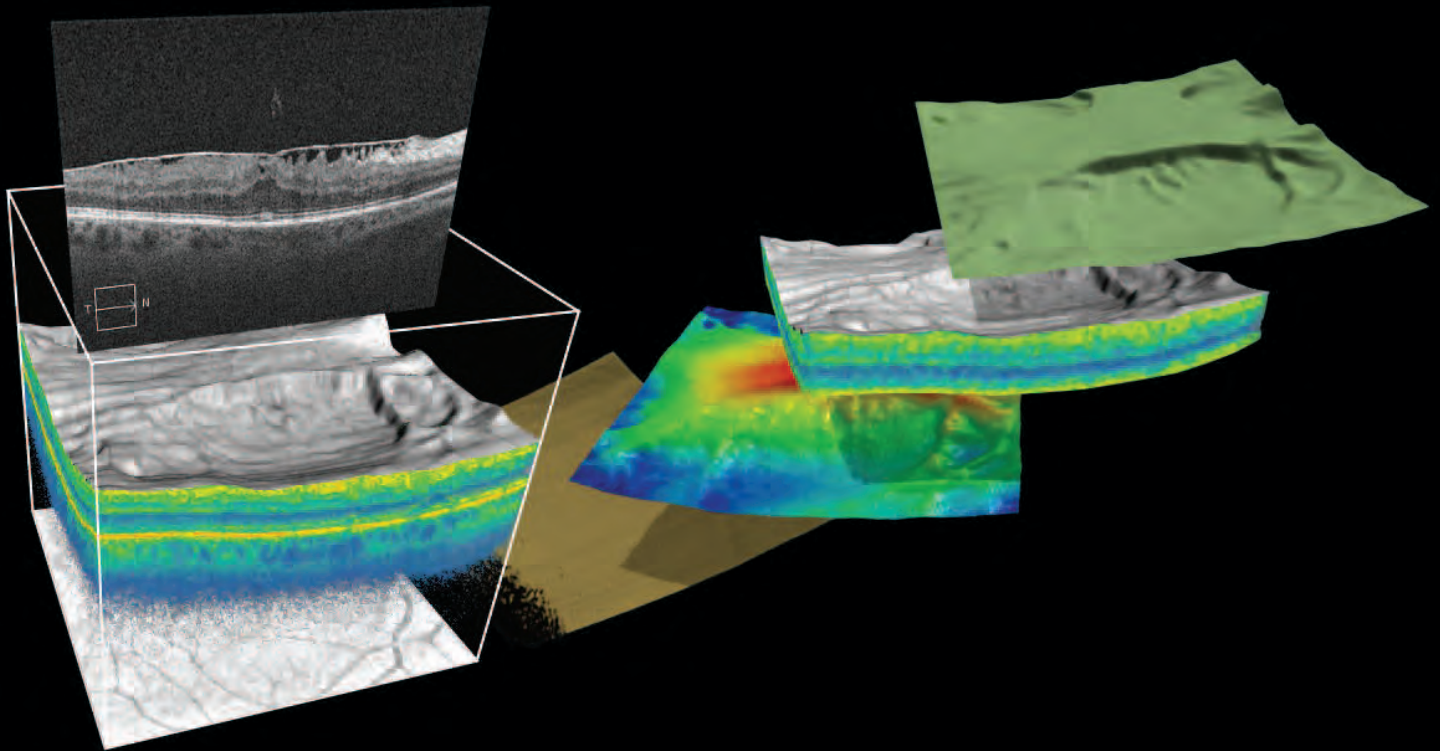
3D Visualization

One pathology. Multiple views. Superior efficiency.

Analyzing a single pathology from multiple views provides comprehensive insight and analysis of the clinical situation. By providing multiple spacial views alongside time-based historic data and normative data comparisons, CIRRUS goes beyond 3-dimensional analysis for greater CERTAINTY in your decision-making.

Visualization at the speed of CIRRUS

Discover the power of the CIRRUS Cube.



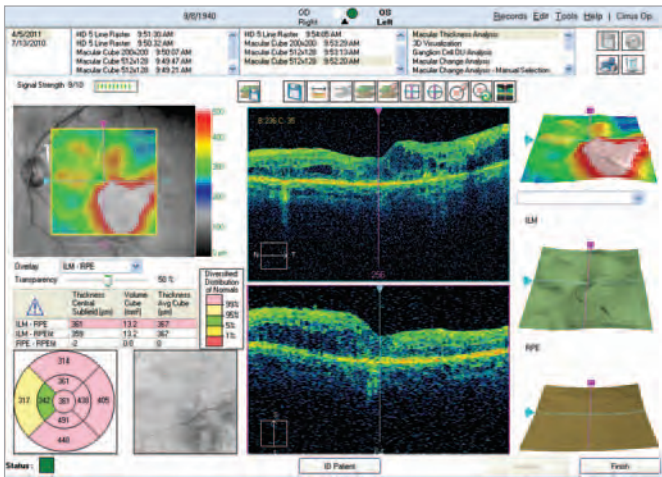
// RETINA DIAGNOSTICS

MADE BY CARL ZEISS

Sophisticated applications for effective AND efficient retinal assessment

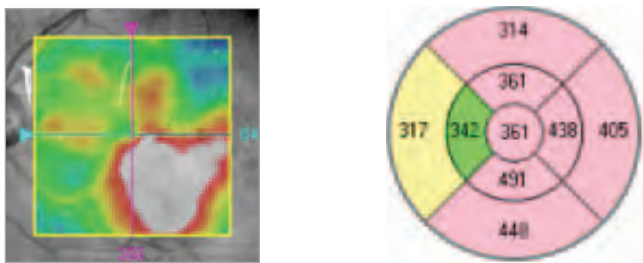
Accuracy at the speed of CIRRUS

New treatments and techniques are focusing attention in the retina like never before. Today, every eye care professional needs to accurately and efficiently evaluate retinal status. CIRRUS has numerous tools that work together to deliver a comprehensive assessment of your patient’s retinal condition.



Superior segmentation

Reveal layer by layer pathophysiology to aid your expert diagnosis.

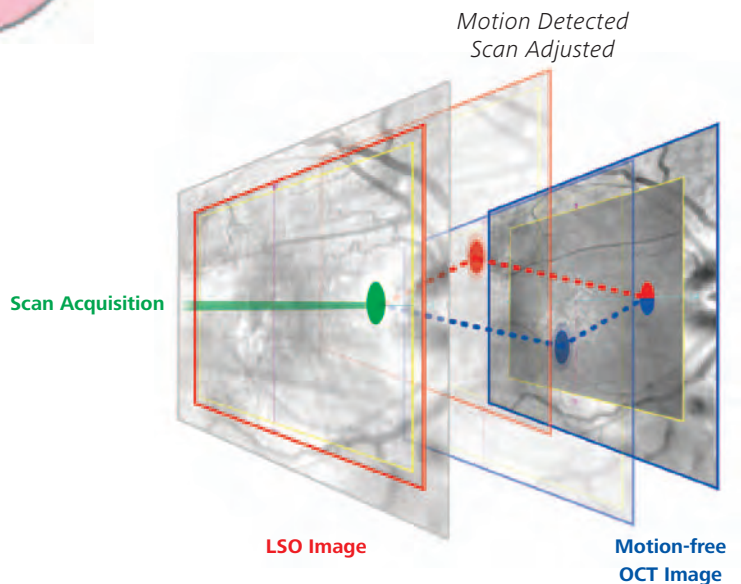


Precision FoveaFinder™

CIRRUS automatically and precisely locates the fovea and centers the ETDRS grid for accurate comparison to normal values.

NEW FastTrac™ retinal tracking system

NEW FastTrac reduces eye motion artifacts without sacrificing patient throughput with a proprietary scan acquisition strategy, high speed 20 Hz LSO camera, and single-pass alignment scanning.



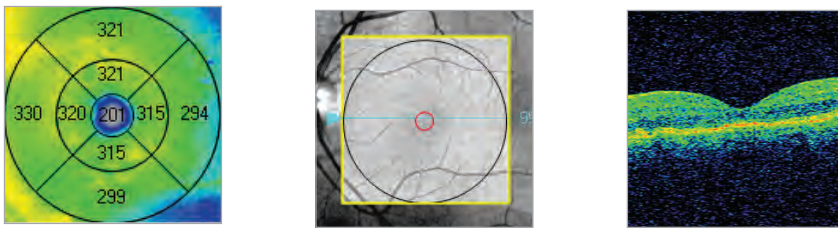
Tracking change at the speed of CIRRUS

The CIRRUS data cube automatically stores and delivers each patient's historical data to provide a variety of change assessments, including change maps that help you understand your patient's response to treatment.

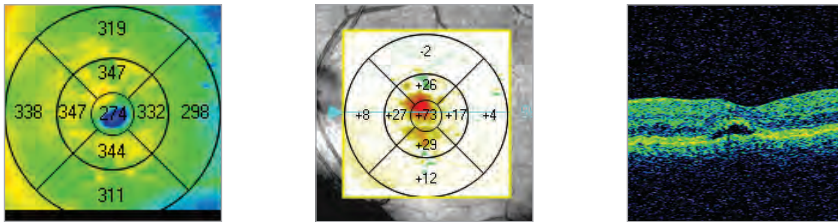
Measure and visualize macular change

Because every CIRRUS cube is registered to prior visits, you can measure point-to-point changes in macular thickness. Visualize change at any point in the cube with synchronized b-scan fly-through.

Visit 1

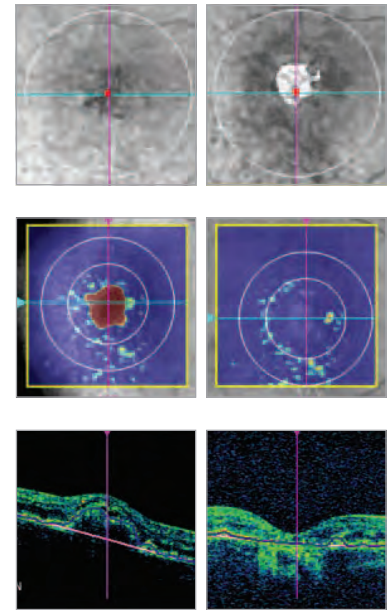


Visit 2



Advanced RPE analysis

New applications allow you to identify and measure RPE disruption associated with drusen, and geographic atrophy. Track area and volume changes and assessment over time.

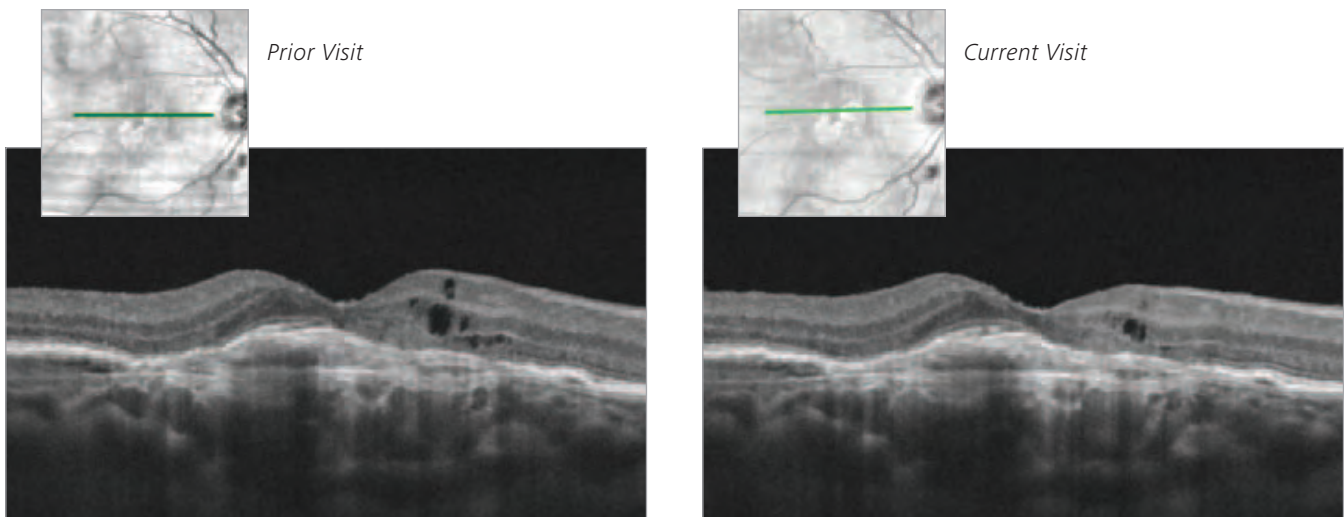


Visit 1

Visit 2

FastTrac™

With FastTrac, scan at highest resolution at the same location at each visit.



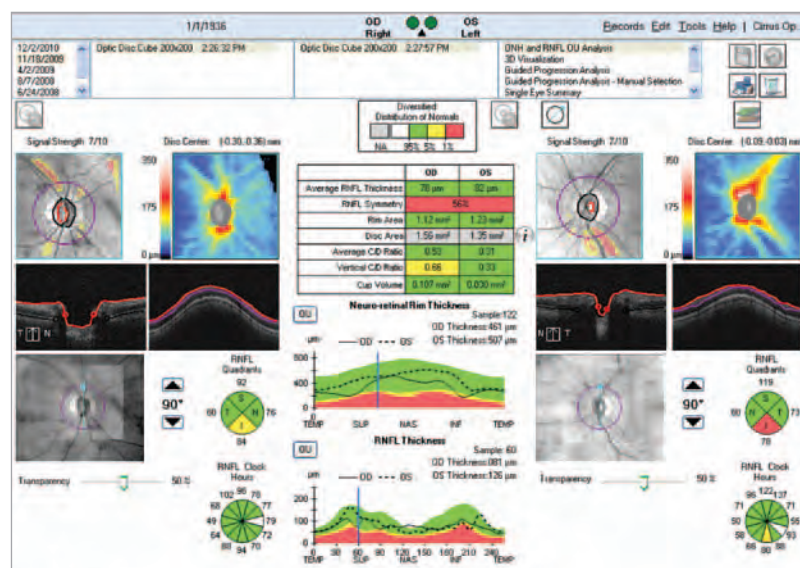
// GLAUCOMA MANAGEMENT

MADE BY CARL ZEISS

Premier tools for comprehensive glaucoma management

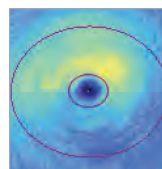
Assessment at the speed of CIRRUS

CIRRUS provides a comprehensive suite of diagnostic tools that work in concert to enable you to capture and assess the defects and patterns of loss that characterize typical disease progression. Single and combined reports simplify your evaluation process for more rapid decision-making.

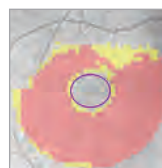


Ganglion Cell Analysis

New CIRRUS applications expand your glaucoma tools. Ganglion cell analysis lets you check for early change in the macula that may not be present in the disc region.



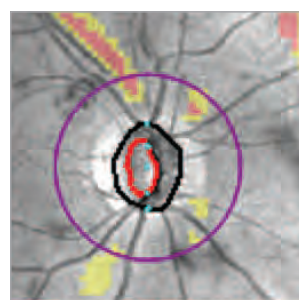
The ganglion cell thickness measurements are automatically centered using FoveaFinder™.



Measurements are compared to normative data in superpixel Deviation Maps.

Superior analysis

With high-density cube data and proven segmentation, CIRRUS delivers a diagnostic analysis you can trust for glaucoma assessment.



AutoCenter™

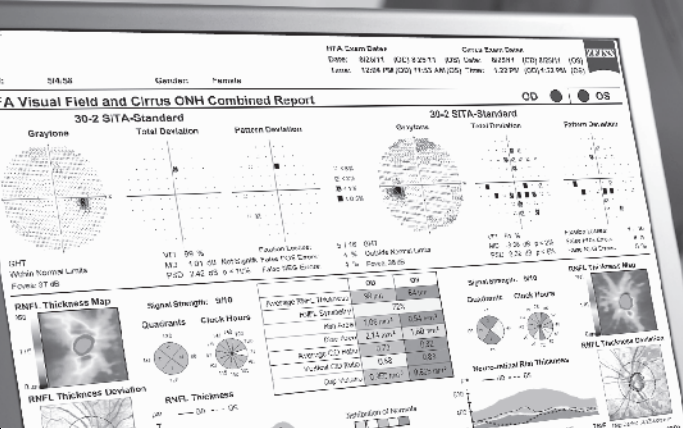
After the scan is acquired, CIRRUS automatically centers the measurement circle around the disc. The placement is not operator-dependent.

Beyond the circle

See past circle-based assessments to visualize RNFL damage across the entire peripapillary in the superpixel Deviation Map.

Optic Nerve Head and RNFL Analysis

Proprietary ZEISS algorithms precisely measure the RNFL thickness and disc parameters including neuroretinal rim while accounting for tilted discs, disruptions to the RPE and other challenging pathologies.



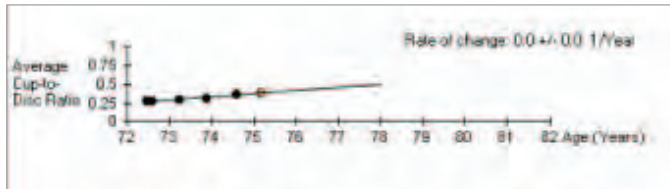
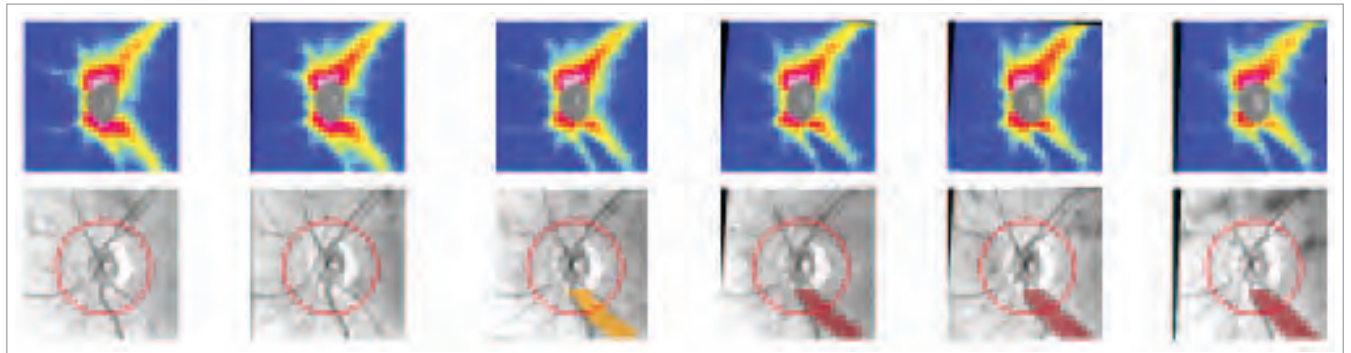
The HFA-Cirrus Combined Report, available exclusively with ZEISS FORUM®, summarizes patient structure and function information in a single display.

Manage at the speed of CIRRUS

Understanding the progression of glaucoma is central to managing the disease. CIRRUS HD-OCT GPA™ progression reports let you access and analyze the patient’s complete history in a single view so you can identify trends for more confident patient management.

Guided Progression Analysis (GPA™)

Easy to read graphics allow you to monitor trends and identify location of changes.



Track and compare RNFL thickness and ONH measurements over time to determine if significant change has occurred.



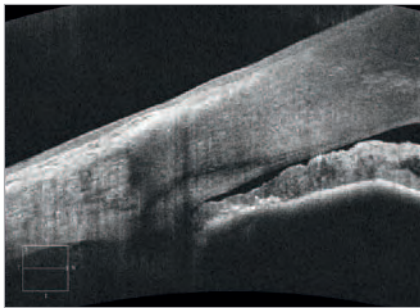
Summary Checkboxes highlight parameters that may show significant change in easy to understand language consistent with HFA™ GPA reports.

// ANTERIOR SEGMENT IMAGING MADE BY CARL ZEISS

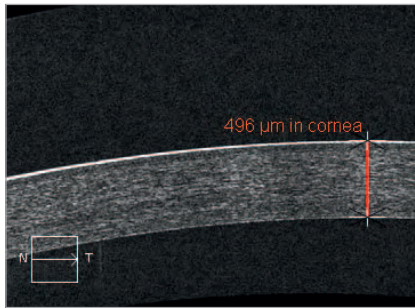
Expand your diagnostic capabilities

Insight at the speed of CIRRUS

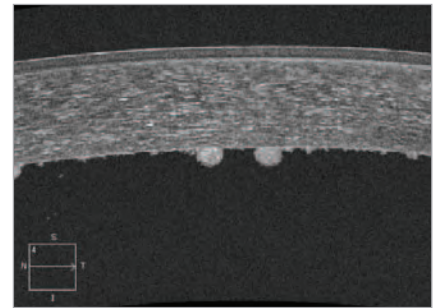
CIRRUS offers anterior segment imaging of the angle and cornea and the ability to measure central cornea thickness.



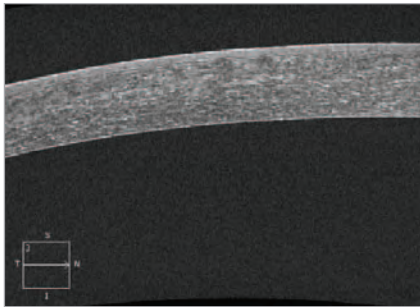
Narrow Angle Visualization



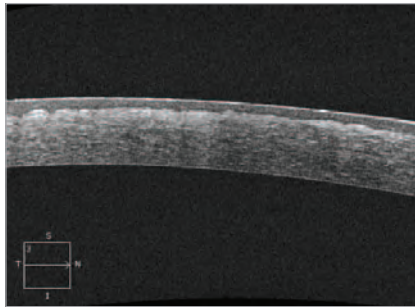
Central Corneal Thickness Measurement



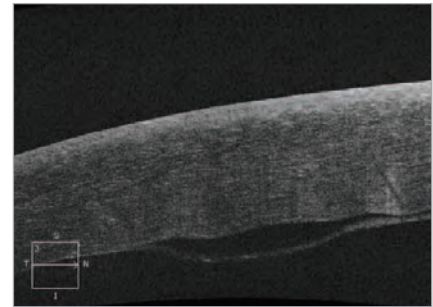
Keratic Precipitates



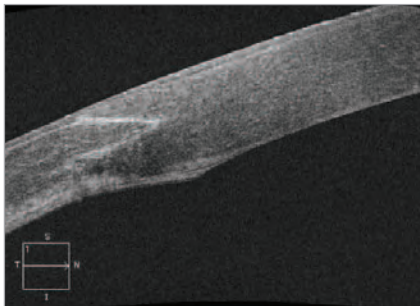
Microstriae



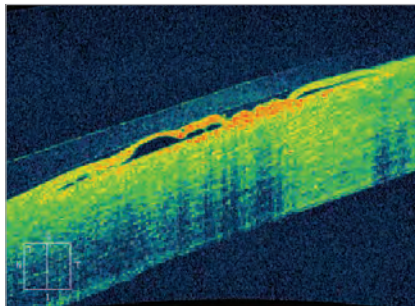
PRK Scar



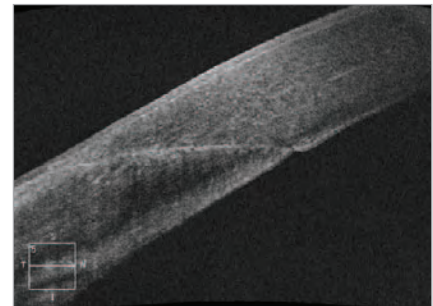
Descemet Detachment



IEK Zigzag



Bullous Keratopathy with BCL



Cataract Incision

The CIRRUS legacy. The CIRRUS promise. The CIRRUS HD-OCT.

Years ago, Carl Zeiss defined OCT with capabilities and applications that launched a new era in eye care. Now, Carl Zeiss is doing it again with the CIRRUS HD-OCT 5000 and 500: foundational technologies that address the needs and challenges of today's eye care practices.

CIRRUS and FORUM:

Improved workflow and efficiency

Today, the pace of change is breathtaking, placing unprecedented demands on every eye care practice. Clinical data management and integration is crucial. Clarity of information and insight essential. CIRRUS is designed for today's more efficient, electronic workplace, bringing the results to you - in the exam lane, your office, or laptop. CIRRUS seamlessly integrates with EMRs and also with ZEISS FORUM®, the advanced data management solution for simplifying, centralizing, and viewing vast amounts of clinical data from ophthalmic instruments.

Carl Zeiss Customer Care:

Your partner for success

It takes a special partner to support you and your practice to meet today's challenges. One that delivers support and services that you can rely upon when you need it most. The ideal partner for an era when just keeping up is not enough. Today is about staying ahead.

Your local contact:

Argentina

Carl Zeiss Argentina S.A.
Calle Nahuel Huapi 4015 / 25
C1430 BCO Buenos Aires
Argentina
Phone: +54 11 45 45 66 61
bruzzi@zeiss.com.ar

Australia

Carl Zeiss Pty Ltd
Tenancy Office 4, Level 1
40-52 Talavera Road
North Ryde NSW 2113
Australia
Phone: +61 2 9020 1333
med@zeiss.com

Austria

Carl Zeiss GmbH
Laxenburger Str. 2
1100 Vienna
Austria
Phone: +43 1 79 51 80
austria@zeiss.org

Belgium

Carl Zeiss NV-SA
Ikaroslaan 49
1930 Zaventem
Belgium
Phone: +32 2 719 39 11
info@zeiss.be

Brazil

Carl Zeiss do Brasil Ltda.
Av. Nações Unidas, 21711
CEP04795-100 São Paulo
Brazil
Phone: +55 11 5693 5521
medbrasil@zeiss.org

Canada

Carl Zeiss Canada Ltd.
45 Valleybrook Drive
Toronto, ON M3B 2S6
Canada
Phone: +1 800 387 8037
czcmed@zeiss.com

China

Carl Zeiss Shanghai Co. Ltd.
1/f., Ke Yuan Building
11 Ri Yin Nan Road
Waigaoqiao Free Trade Zone
2005 Yang Gao Bei Road
Shanghai 200131
China
Phone: +86 21 5048 17 17
sro@zeiss.com.cn

Czech Republic

Carl Zeiss spol. s.r.o.
Radlická 14/3201
150 00 Prague 5
Czech Republic
Phone: +420 233 101 221
zeiss@zeiss.cz

France

Carl Zeiss Meditec France SAS
60, route de Sartrouville
78230 Le Pecq
France
Phone: +33 1 34 80 21 00
med@zeiss.fr

Germany

Carl Zeiss Meditec VG mbH
Carl-Zeiss-Strasse 22
73447 Oberkochen
Germany
Phone: +49 7364 20 6000
vertrieb@meditec.zeiss.com
Surgical Ophthalmology:
Phone: +49 800 470 50 30
iol.order@meditec.zeiss.com

Hong Kong

Carl Zeiss Far East Co. Ltd.
Units 11-12, 25/F
Tower 2, Ever Gain Plaza
No. 88 Container Port Road
Kwai Chung
Hong Kong
Phone: +852 2332 0402
czfe@zeiss.com.hk

India

Carl Zeiss India Pvt. Ltd.
Plot No.3, Jigani Link Road
Bommasandra Industrial Area
Bangalore - 560 099
India
Phone: +91 80 4343 8000
info@zeiss.co.in

Italy

Carl Zeiss S.p.A.
Viale delle Industrie 20
20020 Arese (Milan)
Italy
Phone: +39 02 93773 1
infomed@zeiss.it

Japan

Carl Zeiss Meditec Japan Co. Ltd.
Shinjuku Ku
Tokyo 160-0003
22 Honchio-Cho
Japan
Ophthalmic instruments:
Phone: +81 3 33 55 0331
medsales@zeiss.co.jp
Surgical instruments:
Phone: +81 3 33 55 0341
cmskoho@zeiss.co.jp

Malaysia

Carl Zeiss Sdn Bhd.
Lot2, Jalan 243/51 A
46100 Petaling Jaya
Selangor Darul Ehsan
Malaysia
Phone: +60 3 7877 50 58
malaysia@zeiss.com.sg

Mexico

Carl Zeiss de México S.A. de C.V.
Avenida Miguel Angel de Quevedo 496
04010 Mexico City
Mexico
Phone: +52 55 59 99 0200
cz-mexico@zeiss.org

Netherlands

Carl Zeiss B.V.
Trapezium 300
Postbus 310
3364 DL Sliedrecht
Netherlands
Phone: +31 184 43 34 00
info@zeiss.nl

New Zealand

Carl Zeiss (N.Z.) Ltd.
15B Paramount Drive
P.O. Box 121 - 1001
Henderson, Auckland 0650
New Zealand
Phone: +64 9 838 5626
med@zeiss.com

Poland

Carl Zeiss sp. z o.o.
ul. Lopuszanska 32
02-220 Warsaw
Poland
Phone: +48 22 858 2343
medycyna@zeiss.pl

Singapore

Carl Zeiss Ptd. Ltd.
50 Kaki Bukit Place
Singapore 415926
Singapore
Phone: +65 6741 9600
info@zeiss.com.sg

South Africa

Carl Zeiss (Pty.) Ltd.
363 Oak Avenue
Ferndale
Randburg 2194
South Africa
Phone: +27 11 886 9510
info@zeiss.co.za

South Korea

Carl Zeiss Co. Ltd.
Seoul 121-828
Mapo-gu
141-1, Sangsu-dong
2F, BR Elitel Bldg.
South Korea
Phone: +82 2 3140 2600
korea@zeiss.co.kr

Spain

Carl Zeiss Meditec Iberia S.A.U.
Ronda de Poniente, 15
Tres Cantos
28760 Madrid
Spain
Phone: +34 91 203 37 00
info@zeiss.es

Sweden

Carl Zeiss AB
Tegeluddsvaegen 76
10254 Stockholm
Sweden
Phone: +46 84 59 25 00
info@zeiss.se

Switzerland

Carl Zeiss AG
Feldbachstrasse 81
8714 Feldbach
Switzerland
Phone: +41 55 254 7534
info@zeiss.ch

Thailand

Carl Zeiss Thailand
90 CyberWorld Tower A,
36th Floor, Unit A 3601
230 Ratchadapisek Road
Huaykwang, Bangkok 10310
Thailand
Phone: +66 2 248 8787
thailand@zeiss.com.sg

United Kingdom

Carl Zeiss Ltd.
15-20 Woodfield Road
Welwyn Garden City
Hertfordshire, AL7 1JQ
United Kingdom
Phone: +44 1707 871200
info@zeiss.co.uk



Carl Zeiss Meditec, Inc.

5160 Hacienda Drive
Dublin, CA 94568
USA
www.meditec.zeiss.com/CIRRUS



Carl Zeiss Meditec AG

Goeschwitzer Str. 51-52
07745 Jena
Germany
www.meditec.zeiss.com/CIRRUS

000000-2034-620 CIR-4749

The contents of the brochure may differ from the current status of approval of the product in your country. Please contact your regional representative for more information. Subject to change in design and scope of delivery and as a result of ongoing technical development. CIRRUS, FORUM, Selective Pixel Profiling, Advanced Visualization, Guided Progression Analysis, AutoCenter, FoveaFinder, FastTrac, and Certainty in Seconds, Certainty in Years are either trademarks or registered trademarks of Carl Zeiss Meditec, Inc. in the United States and/or other countries. © 2012 by Carl Zeiss Meditec, Inc. All copyrights reserved. 1012 5M