

**ZEISS AngioPlex™ OCT Angiography**  
Making the revolutionary, routine.



The moment that  
revolutionary insight  
becomes routine.

// OCT ANGIOGRAPHY  
MADE BY ZEISS

## CIRRUS™ with AngioPlex™ creates a new era in both OCT and angiography.

For the first time, AngioPlex allows for the visualization of both vascular and structural information from a single non-invasive scan. One that makes eye care's leading clinical OCT platform an unprecedented tool for the acquisition of ultra-clear color-depth-resolved 3D microvascular imaging of the retina.

AngioPlex technology revolutionizes clinical practice by making the visualization of microvasculature of the retina a routine part of everyday care.

### New vascular information

- Ultra-clear 3D microvascular visualizations powered by OMAG<sup>c</sup>
- OMAG<sup>c</sup> detects motion of red blood cells within sequential OCT B-scans performed repeatedly at the same location
- Depth of retinal vasculature color-coded for ease of visual assessment

### Enhanced workflow

- Ideal non-invasive, dye-free angiography
- Single-scan simplicity: capture OCT angiography with just one scan
- Real-time tracking with enhanced FastTrac™ ensures artifact-free scans and precise location identification during follow-up visits



CIRRUS HD-OCT with AngioPlex  
**Making the revolutionary, routine.**

# The next step in technology.

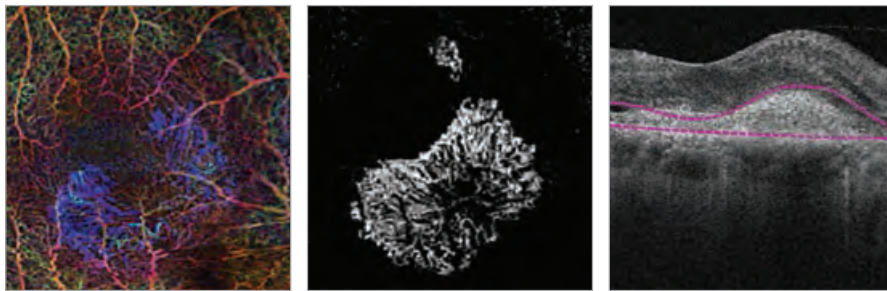
A great leap in care.

## Diabetic Retinopathy (DR)



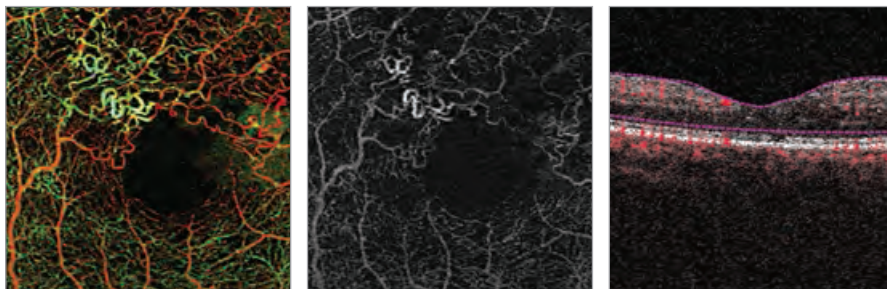
AngioPlex™ maps visually isolate the neovascularization elsewhere (NVE) located in the vitreo-retinal interface (VRI)

## Age-Related Macular Degeneration (AMD)



AngioPlex maps reveal choroidal neovascularization (CNV) in AMD

## Branch Retinal Vein Occlusion (BRVO)



AngioPlex maps visualize vascular abnormalities and areas of non-perfusion due to vein occlusions

# More than new technology.

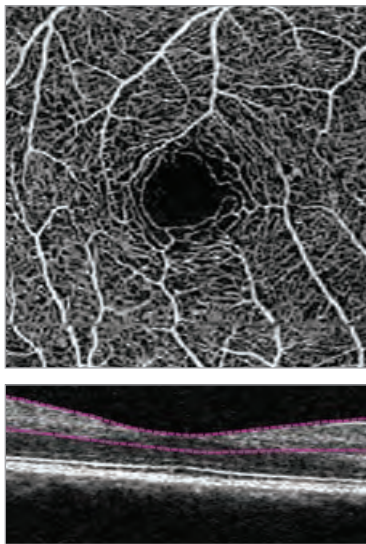
## New tools that transform your everyday.

- OMAG<sup>c</sup> algorithm uses a full spectrum of complex OCT signal, including both phase and amplitude
- Single-scan simplicity captures OCT angiography
- Real-time eye tracking with enhanced FastTrac™ for precise location identification during follow-up visits

### AngioPlex™ Maps

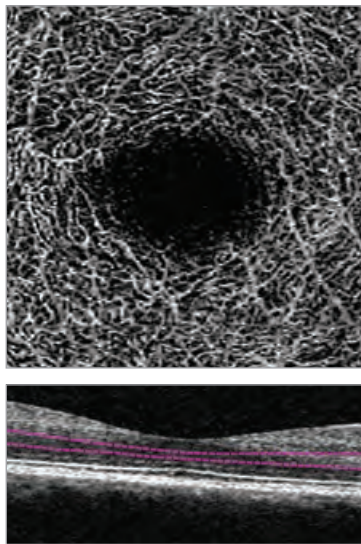
AngioPlex Maps offers a 2D representation of the retinal vasculature in a particular layer of interest.

#### Superficial retinal map



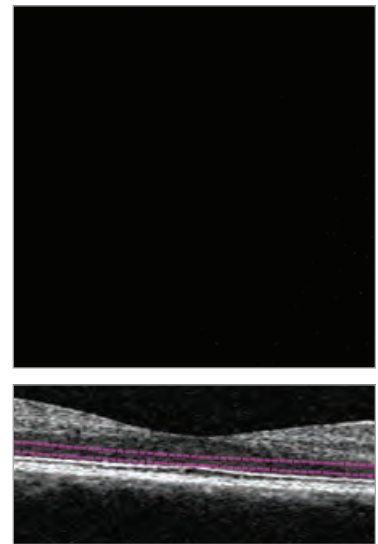
Superficial retina layer (pre-set map of vasculature between ILM and IPL)

#### Deep retina map



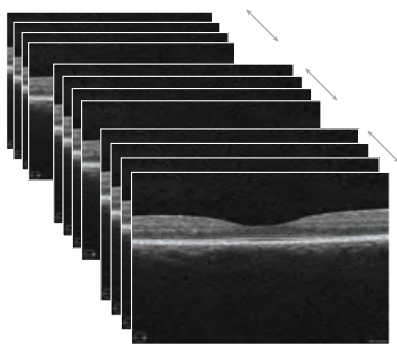
Deep retina layer (pre-set map of vasculature between IPL and OPL)

#### Avascular retina map



Avascular retina layer (pre-set map of vasculature between OPL and RPE)

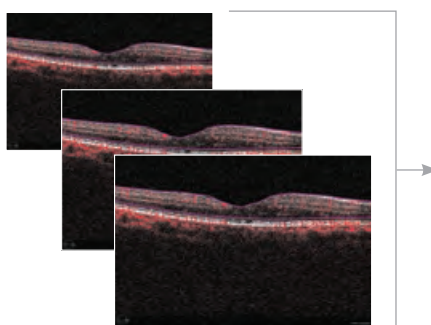
#### Acquisition with FastTrac



#### Sequential OCT B-scans

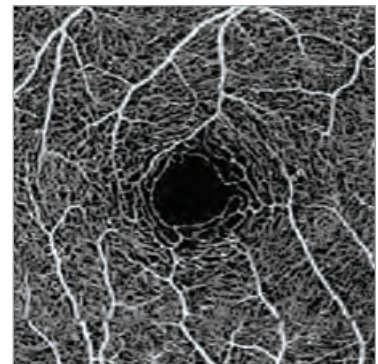
Sequential OCT scans are acquired in the same location up to 4 times in one scan capture

#### Data processing powered by OMAG<sup>c</sup>



#### Blood-flow OCT B-scan

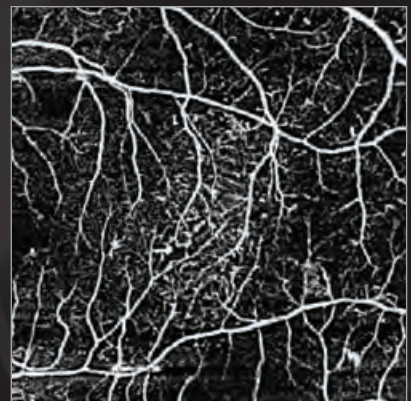
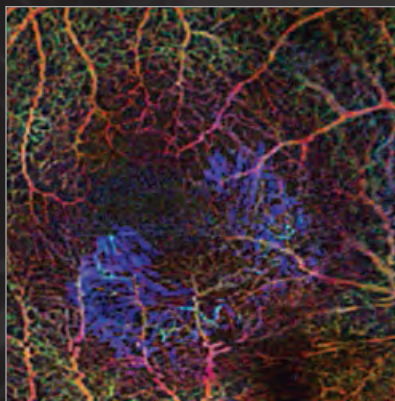
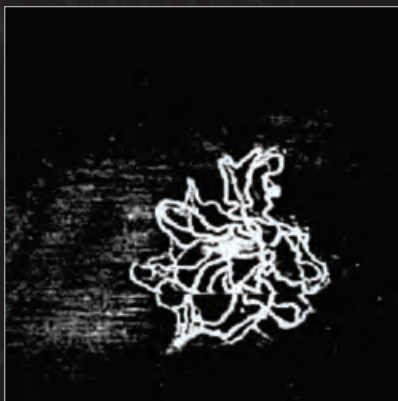
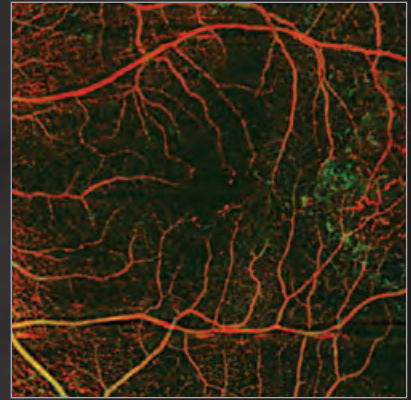
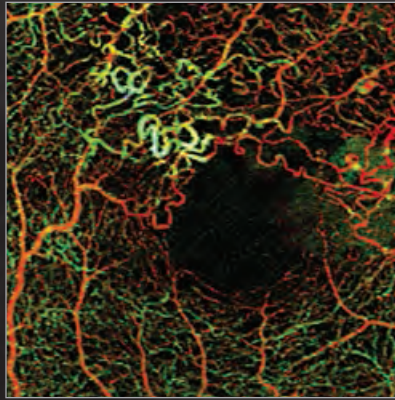
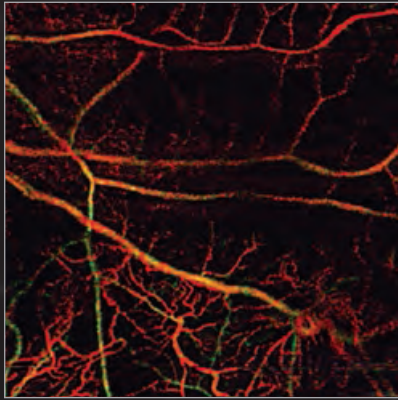
Each cluster generates one blood-flow B-scan



#### AngioPlex map

Reconstructed map of the perfused microvasculature within the retina and choroid

**Ultra-clear visualization of microvascular blood flow  
using non-invasive CIRRUS™ OCT Angiography.**



Learn more about ZEISS AngioPlex™  
[www.zeiss.com/octangio](http://www.zeiss.com/octangio)

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**Carl Zeiss Meditec, Inc.**  
5160 Hacienda Drive  
Dublin, CA 94568  
USA  
[www.zeiss.com/med](http://www.zeiss.com/med)



**Carl Zeiss Meditec AG**  
Goeschwitzer Str. 51-52  
07745 Jena  
Germany  
[www.zeiss.com/med](http://www.zeiss.com/med)

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