AngioPlex from ZEISS
The complete OCT Angiography solution
Making the revolutionary, routine.

ZEISS AngioPlex OCT Angiography
AngioPlex® OCT Angiography from ZEISS ushers in a new era in eyecare with non-invasive imaging of retinal microvasculature that takes glaucoma and retinal disease management and treatment planning to the next level.

By offering the industry’s most comprehensive tools for assessing and analyzing a range of pathologies, ZEISS provides a complete OCT Angiography (OCTA) solution.

- **Get ultra-clear visualization** of retinal and choroidal vascular structures in seconds with non-invasive, dye-free imaging.

- **See a wider field of view**—beyond conventional 6x6 mm OCT scans—supporting earlier detection and management of diabetic retinopathy.

- **Track and quantify vascular change** between visits.

- **Gain expanded insights** into glaucoma disease progression with optic nerve head perfusion.

- **Build your practice** with the seamless integration of OCT Angiography that’s quick and easy to implement.

International edition: Only for sale in selected countries.
Empower your practice
OCT Angiography at your fingertips

From patient prep to viewing images, OCTA can be 80% faster than fluorescein angiography.¹,²

AngioPlex OCT Angiography—powered by eyecare’s leading clinical OCT platform, CIRRUS™ HD-OCT from ZEISS—enables you to do more: gain workflow efficiency, deliver care with ease, quantify vascular change and manage more with confidence.

Capture structural and microvascular detail in a single scan
With ZEISS AngioPlex, all you need is a single scan to capture both 3D structural and microvascular information. Unlike fluorescein angiography, which could take up to 30 minutes for imaging, OCTA takes significantly less time from patient prep to image viewing.¹,²

Manage a range of conditions — from diabetic retinopathy to glaucoma to age-related macular degeneration (AMD)
OCTA is known to reveal early indicators of many ocular diseases. ZEISS AngioPlex provides a complete set of tools to manage these diseases and your patients.

9 out of 10 AngioPlex users have incorporated OCTA into their AMD management protocol.³

**Manage your patients longer**
OCTA can help identify the conversion from dry to wet AMD and support long-term patient management. With ZEISS AngioPlex, know when to intervene or refer.

**Make the most of every scan**
AngioPlex image capture with FastTrac™, the proprietary retinal tracking system from ZEISS, is designed to eliminate artifacts from blinks and other eye movement using real-time, active eye tracking technology. With FastTrac, you can scan at the highest resolution without sacrificing patient throughput.

**Easily and effectively track change over time**
FastTrac’s track-to-prior feature precisely tracks follow-up scans, which means reliable change analysis from visit-to-visit.

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³ Pekeles M, Dubin M, Ge B. Clinical usage patterns of OCT Angiography. Poster presentation, Sonoma Eye 2018, Sonoma, CA, USA.
Diabetic Retinopathy (DR)
Conventional OCT shows macular thickness to be within the normal range for this known diabetic patient. AngioPlex highlights early signs of diabetic changes, evident by a ragged foveal avascular zone (FAZ), and instances of microaneurysms that cannot be seen clinically.

Age-related Macular Degeneration (AMD)
Conventional OCT B-scan indicates structural effects of wet AMD. AngioPlex directly reveals the choroidal neovascularization (CNV) lesion, providing improved ability to monitor treatment regimen.

Glaucoma
RNFL thickness maps identify global thinning in the retinal nerve fiber layer. The new AngioPlex for ONH with Metrix visualizes and quantifies peripapillary capillary perfusion, providing important vascular insights into glaucoma.
"AngioPlex Montage is very useful in quickly identifying the presence of neovascularization (both NVD and NVE) in proliferative diabetic retinopathy without the use of fluorescein dye."

Scott S Lee, MD, East Bay Retina Consultants, USA

See wider for a quick vascular assessment
ZEISS AngioPlex Montage delivers widefield OCTA with up to a 50° field of view (FoV) in a single imaging sequence, providing visualization of vasculature and detection of diseases that affect the macula and peripheral retina. The detail-rich images enable quick and comprehensive vascular assessment and can be an excellent tool for patient education.
Isolate more retinal layers of interest
Automated segmentation

The preset layer segmentation capabilities of ZEISS AngioPlex help isolate retinal layers of interest—from the vitreoretinal interface deep into the choroid—with a single click. This is especially useful for a comprehensive evaluation of age-related macular degeneration (AMD) and identification of conversion from dry to wet AMD.

**VRI (Vitreoretinal Interface)**
Observe neovascularization elsewhere (NVE) associated with proliferative diabetic retinopathy (PDR)

**ORCC (Outer Retina to Choriocapillaris)**
More easily visualize classic or occult CNV.

**RPE to RPE fit**
Highlights disruptions to the RPE layer, and can provide improved visualization of CNV.
Know when to intervene
Quantify and track changes in vascular perfusion

**AngioPlex Metrix™** and **AngioPlex Change Analysis** enable assessment and tracking of progressive eye diseases of the retina, such as diabetic retinopathy, by providing vascular quantification including FAZ, perfusion density and vessel density. Vessel density measured by OCTA has been to shown to correlate with the severity of diabetic retinopathy.

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"AngioPlex allows us to view the radial peripapillary capillaries of the RNFL where we can easily detect focal glaucomatous perfusion defects. The vessel density and flux values are proving extremely valuable in following glaucoma patients."

Grace Richter, MD, MPH, USC Roski Eye Institute, USA

Designed for the optic nerve head (ONH), ZEISS AngioPlex for ONH offers new insights into glaucoma. This new OCTA scan type enables visualization of the radial peripapillary capillary (RPC) network that cannot be seen using traditional fluorescein angiography.¹

AngioPlex for ONH of a normal eye showing the blood vessels at the lamina cribrosa level.

AngioPlex for ONH of an eye with advanced glaucoma highlighting late stage cupping and blood vessels at the lamina cribrosa level.

Monitor glaucoma progression
Quantify and track vascular changes in ONH

**AngioPlex Metrix for ONH with Change Analysis** provides valuable insights into the progression and pathogenesis of glaucoma with capillary quantification data. ONH perfusion measurements—capillary perfusion and capillary flux index—have been shown to decrease over time as glaucoma progresses.\(^6,7\)

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**AngioPlex Metrix for ONH showing capillary perfusion (P) and capillary flux index (F) values of three states: normal, moderate glaucoma and advanced glaucoma.**

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