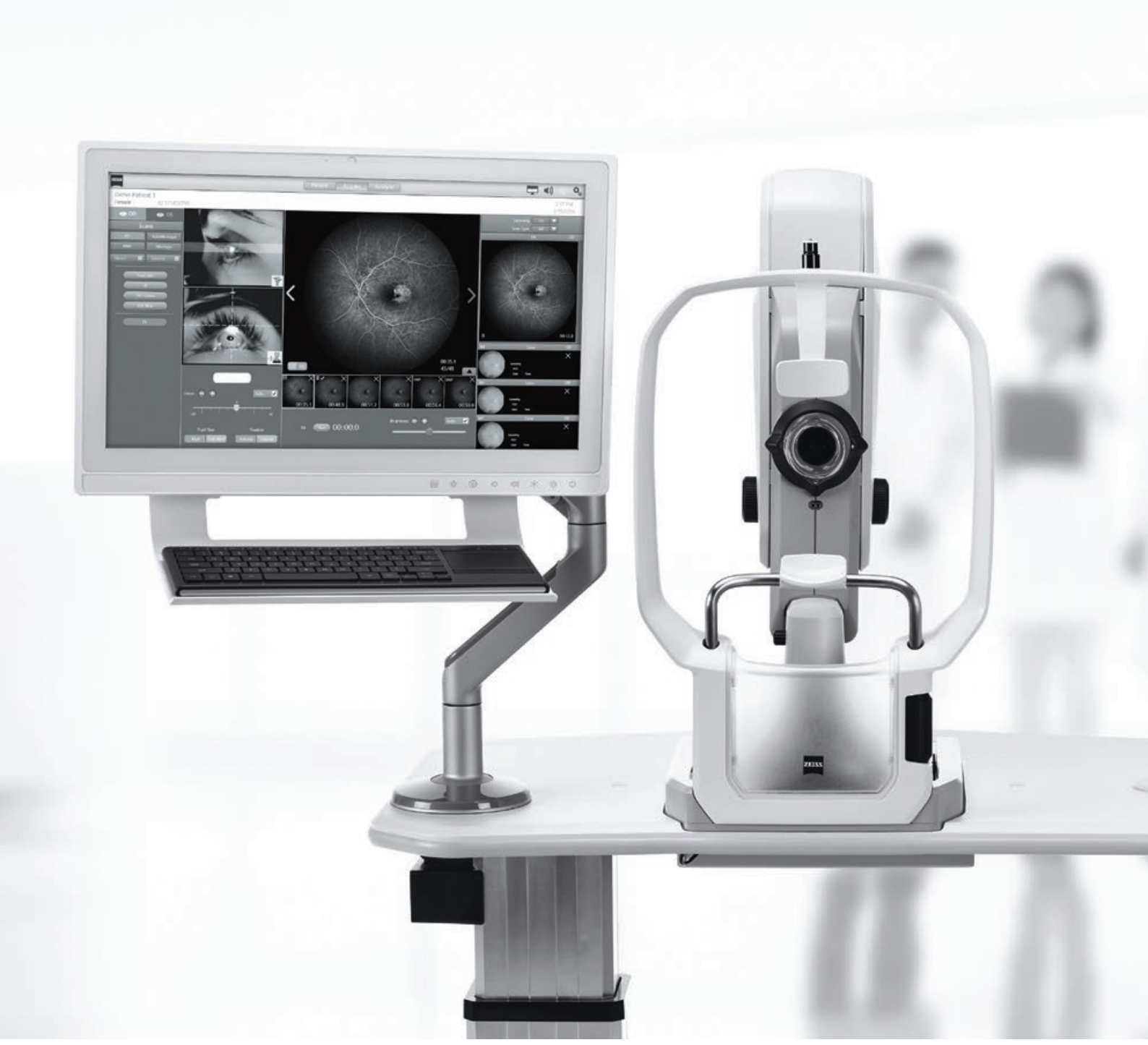


CLARUS 700 from ZEISS

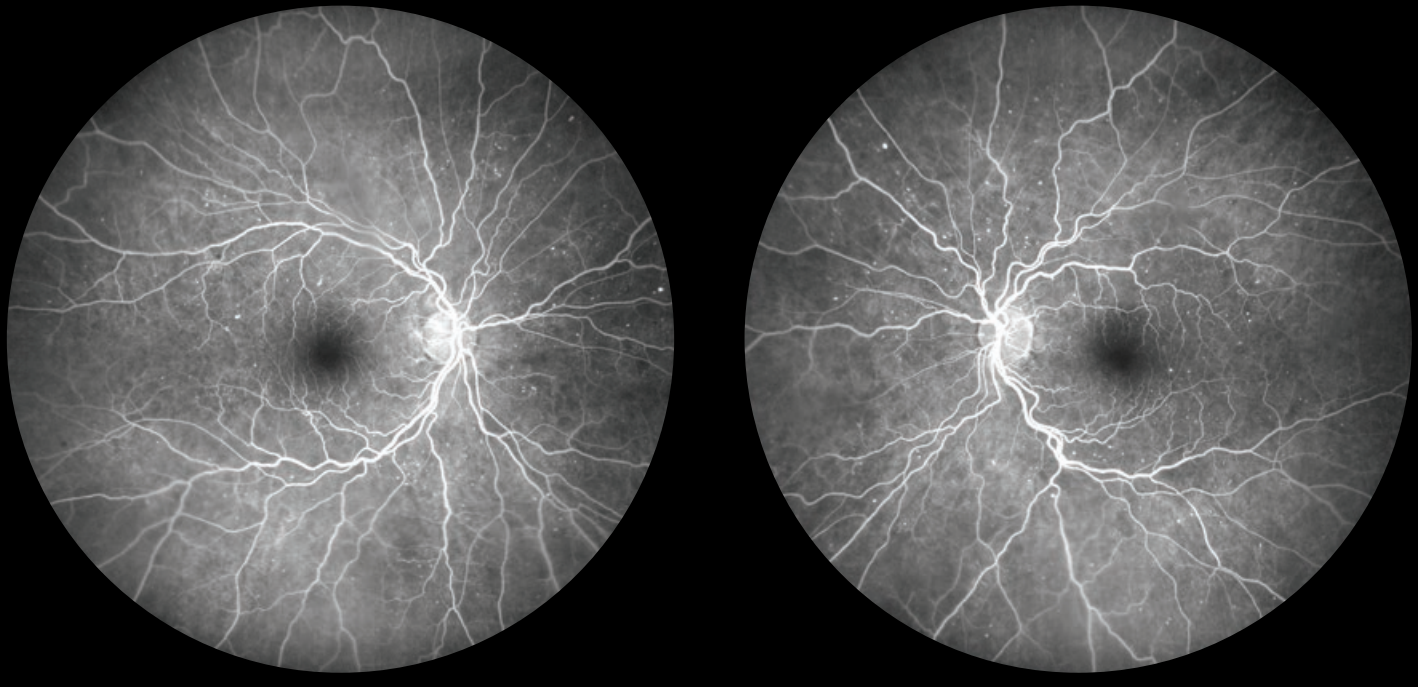
HD Ultra-widefield Fundus Imaging with Fluorescein Angiography

ZEISS

Seeing beyond

Expanding insights with ultra-wide imaging.

ZEISS CLARUS 700



Fluorescein angiograms with non-proliferative diabetic retinopathy, illustrating localized dilations of retinal capillaries (microaneurysms) and areas of peripheral non-perfusion.

Unsurpassed image quality with fluorescein angiography.

CLARUS® 700 from ZEISS allows you to capture clear and accurate images from the macula to the far periphery, all with a single instrument that combines:

- Ultra-wide field of view
- True Color imaging from broad spectrum LED scans
- Exceptional resolution
- Fluorescein Angiography (FA)
- Advanced imaging features

ZEISS CLARUS 700 is a truly comprehensive imaging system developed for eye care specialists, helping deliver state-of-the-art care to their patients.

Montage fluorescein angiography with non-proliferative diabetic retinopathy, presenting the finest details at the foveal avascular zone and offering an exceptional rendering of the smallest microaneurysms across the image–from the fovea to the periphery.

COLOR
Capture True Color to assist with differential diagnosis.

CLARITY
See high-resolution details from the posterior pole to the periphery.

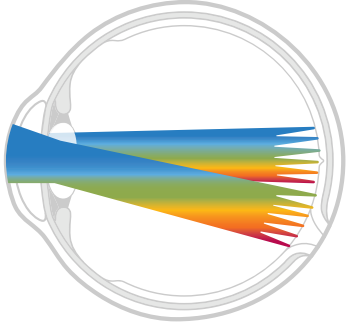
COMPLETE
Comprehensive in every way to maximize workflow efficiency.

Now, ultra-wide fundus imaging with True Color and unmatched clarity.

In one complete system.

True Color Imaging

Powered by **Broad Line Technology**, the ZEISS CLARUS 700 captures images that closely resemble the coloration of the fundus as seen during clinical examination.



Unlike CSLO (confocal scanning laser) Broad Line Technology enables the combination of ultra-wide fields of view and a full range of retinal imaging modes to generate images with high dynamic range, contrast, resolution and natural colors through sequential illumination of broad-spectrum red, green and blue light emitting diodes[1]

[1] Data on file.

A Comprehensive Imaging System

Now you can manage all fundus imaging modalities without compromising on clarity—viewing high resolution in ultra-widefield.

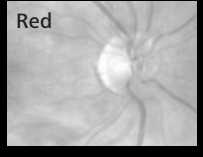
- Image from the superior and inferior retina with less peripheral distortion
- Capture clear detail of vessel structure from early to late phase of fluorescein angiography
- **AutoBright** control automatically optimizes the angiogram series preserving change in signal

Combining ultra-widefield imaging with True Color, excellent clarity and a full suite of imaging modalities, ZEISS CLARUS 700 empowers you with features and capabilities that maximize workflow efficiency.

- Quickly and easily compare images over time and between image capture modes
- Provide a comfortable patient experience that ensures image integrity, with ergonomic chin and head rests to swivel motion and live IR preview

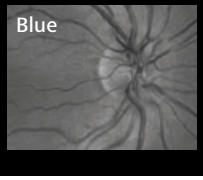
Complete suite of imaging modalities

True Color with RGB Channel Separation

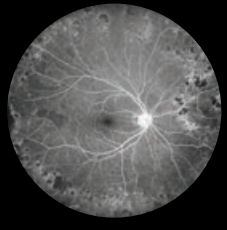


Red channel: reveals the choroid in more detail. This may be helpful in visualizing choroidal lesions such as nevi or tumors.

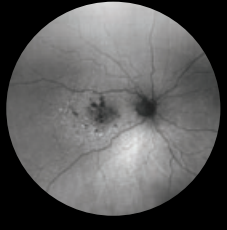
Green channel: provides excellent contrast of the retina, especially of vasculature and hemorrhages.



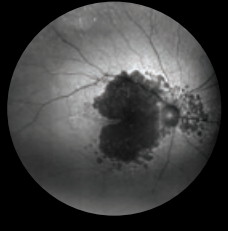
Blue channel: increases visibility of anterior retinal layers, allowing easier visualization of retinal nerve fiber layers defects and epiretinal membranes.



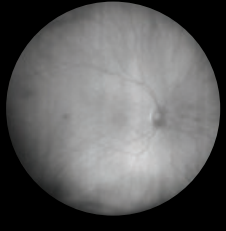
Fluorescein Angiography of proliferative diabetic retinopathy



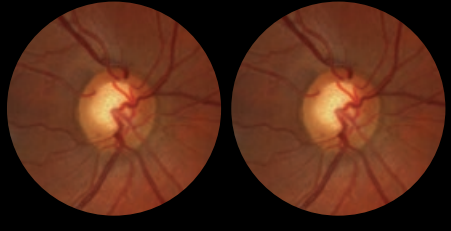
FAF-Green image of dry age-related macular degeneration



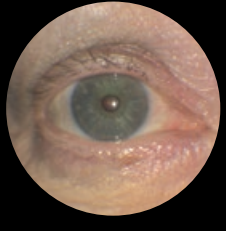
FAF-Blue image of geographic atrophy



Infrared image



Stereo image pairs can be captured for stereoscopic evaluation of the fundus.



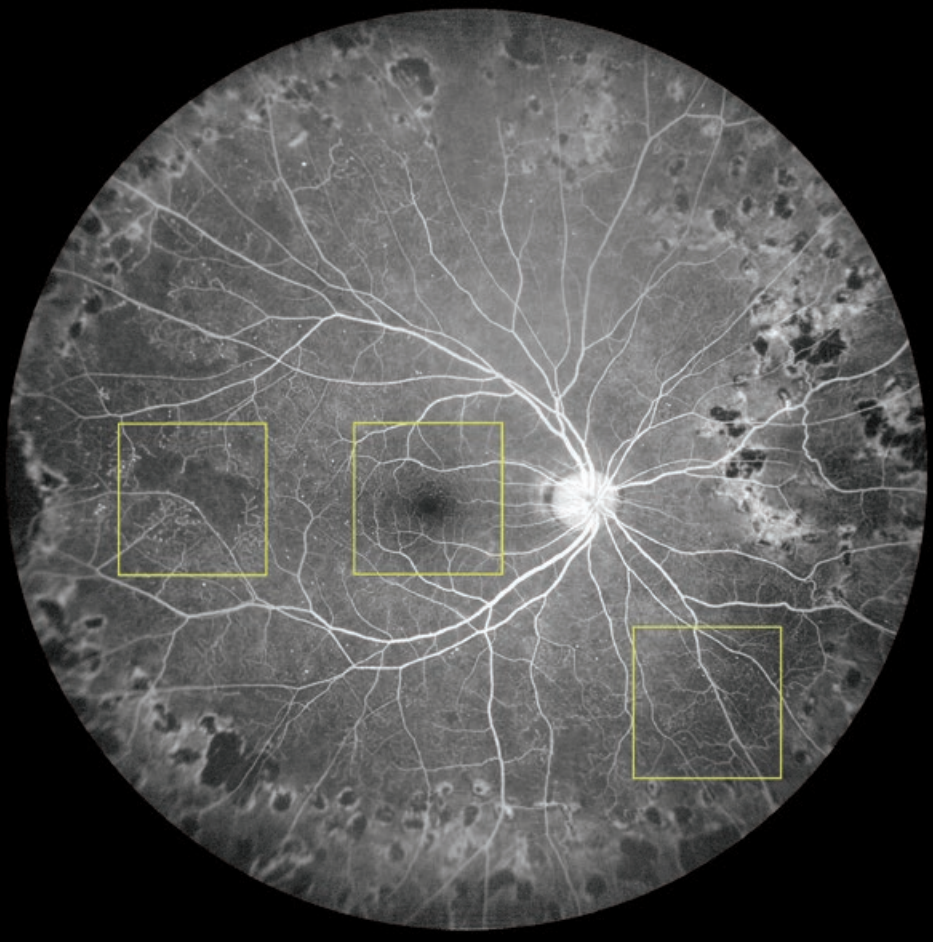
External Eye

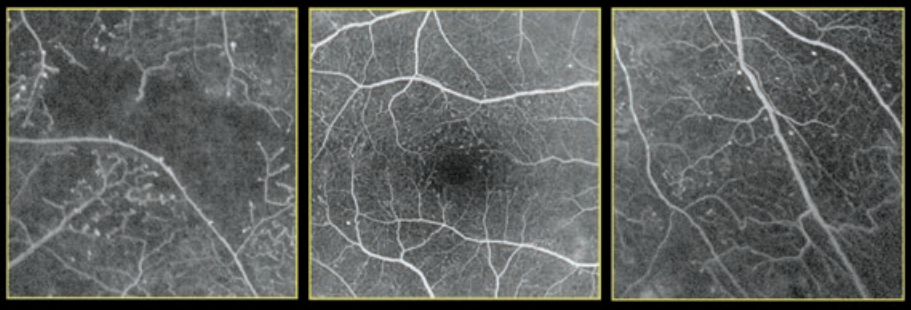
True advancement in disease management.

By allowing you to visualize to the far periphery—and in multiple imaging modalities—ZEISS CLARUS 700 can document indications of ocular disease that occur in various regions of the eye and present differently depending on the imaging modality.

Proliferative Diabetic Retinopathy

Early phase fluorescein angiogram: Visualize macular ischemia, capillary nonperfusion and intraretinal microvascular abnormalities in excellent detail with high-resolution imaging.



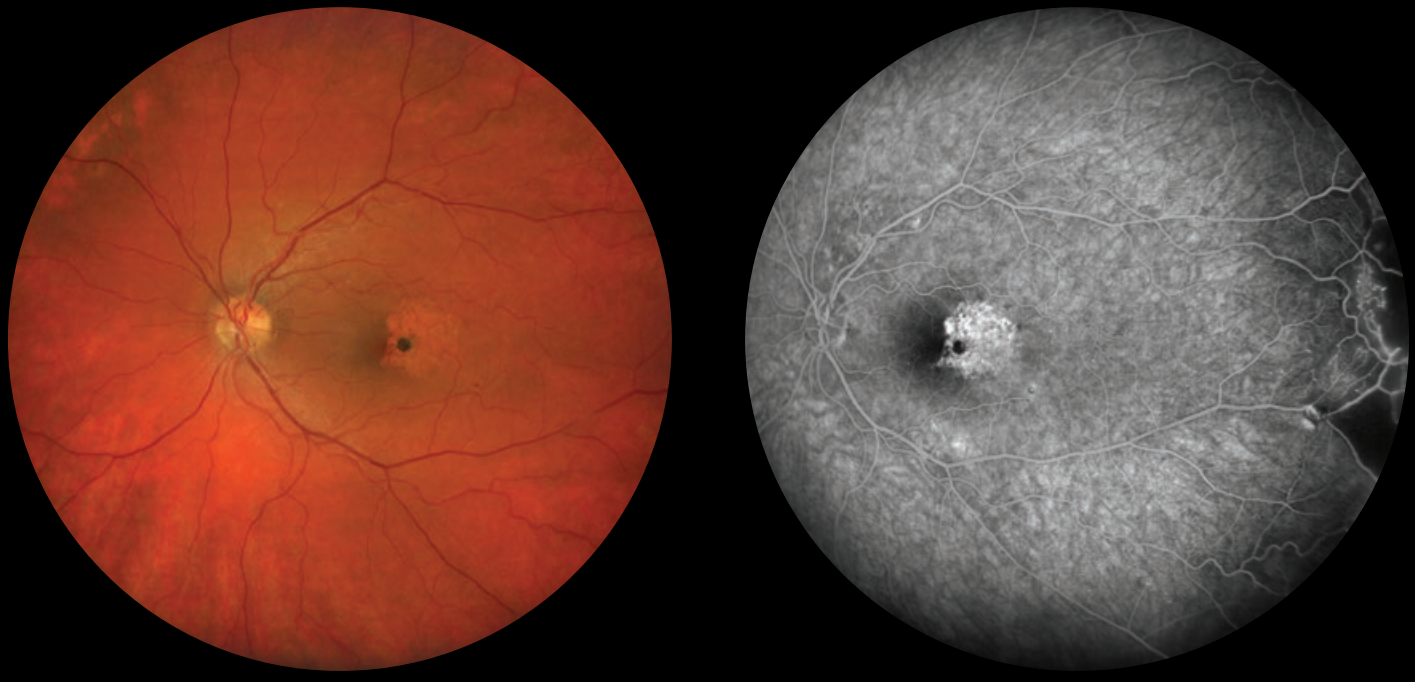


Capillary nonperfusion

Macular ischemia

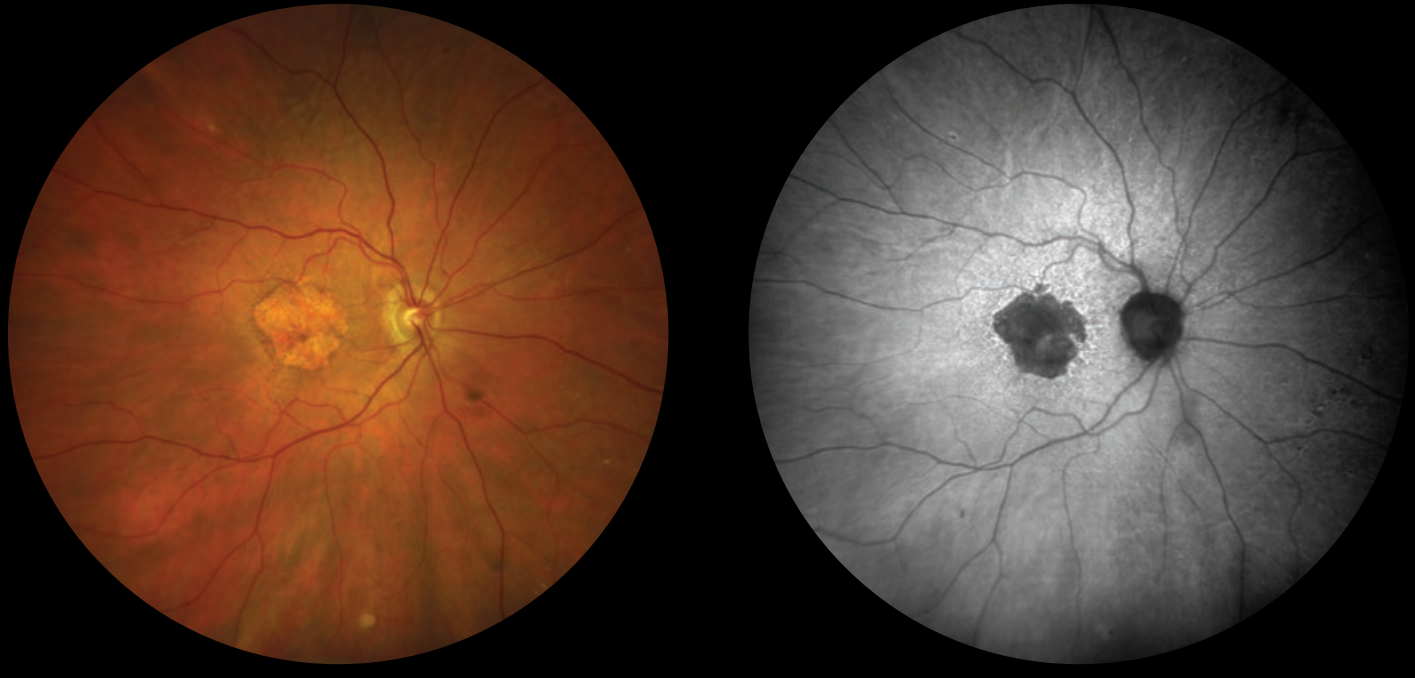
Intraretinal microvascular abnormalities

Macular Telangiectasia

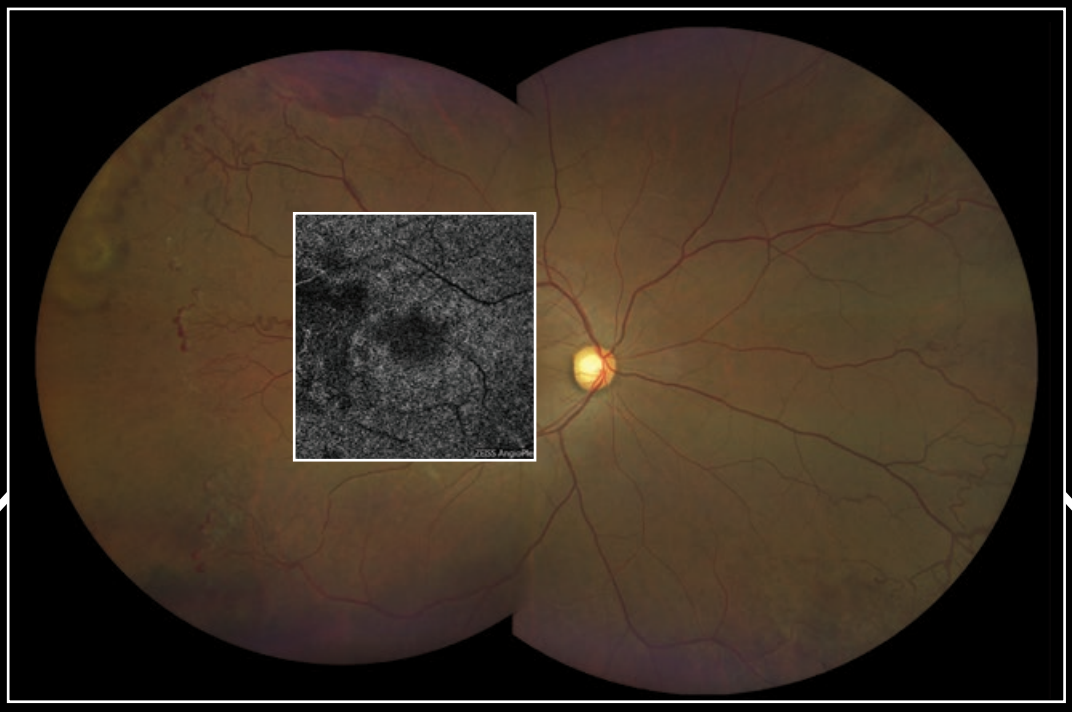


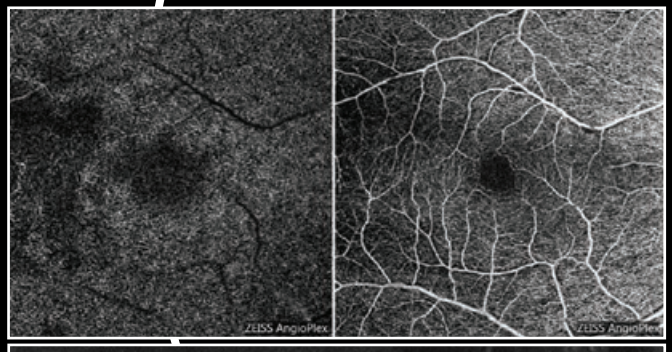
Mid-phase fluorescein angiography image of an eye with macular telangiectasia. Wide-field fluorescein angiography captures leakage in the macula, its associated microaneurysms and non-perfusion in the far temporal periphery.

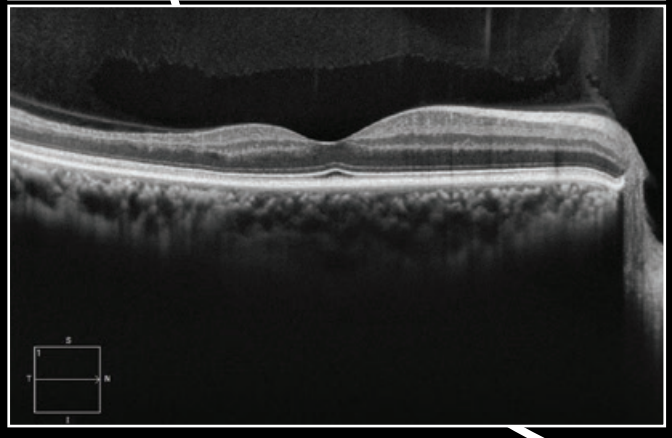
Dry AMD



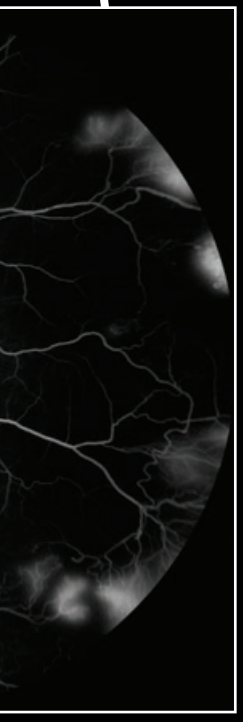
FAF-Green image of an eye with central geographic atrophy in advanced Dry AMD, highlighting the loss of retinal pigment epithelium at the macula.







ZEISS CLARUS 700 ultra-wide fluorescein angiography shows you the extensive sea-fan neovascularization and retinal ischemia in the peripheral retina in an eye with proliferative sickle cell retinopathy.

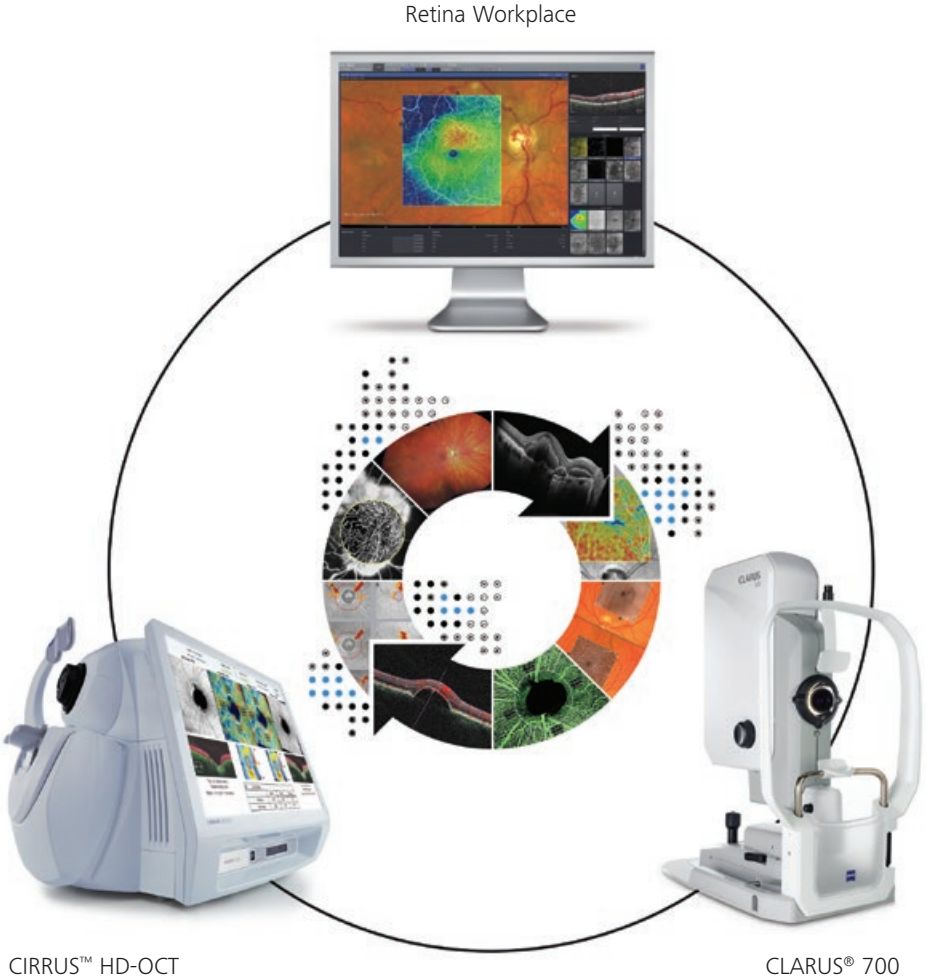


Integrated Diagnostic Imaging platform from ZEISS.

See the whole picture.

Key to meeting current challenges in eye care is the ability to capture, integrate and transform high-quality data into meaningful analyses that enhance practice workflow and improve patient care.

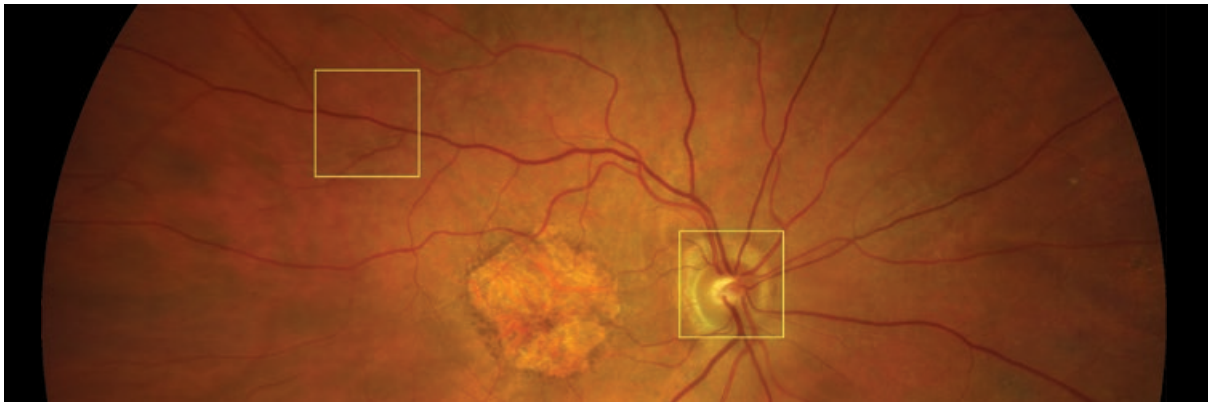
The ZEISS Integrated Diagnostic Imaging combines exam data from gold-standard devices like CLARUS ultra-widefield fundus imaging and CIRRUS™ HD-OCT from ZEISS and presents critical information from multiple sources into a single integrated point-of-view for more efficient and insightful treatment decisions.



Advanced features to help you capture your best images.

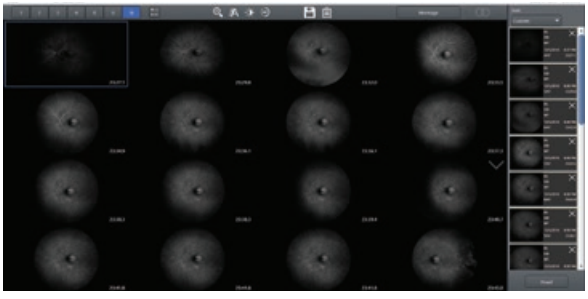
PrecisionFocus

Quickly see the details in regions of interest by selecting where to optimize focus, without losing the macula focal point.

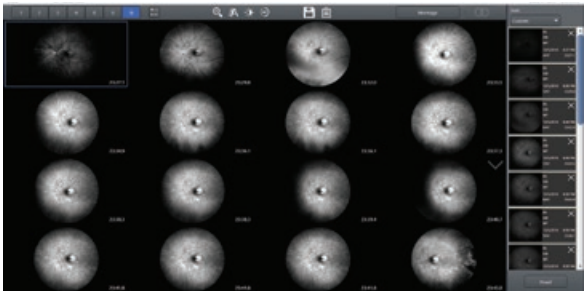


AutoBright

Spend time analyzing images rather than adjusting them. ZEISS CLARUS 700 automatically optimizes the brightness of the image sequence throughout the angiogram, while still preserving the change in signal. And with the extremely large dynamic range, you'll never be at risk of saturating the image.



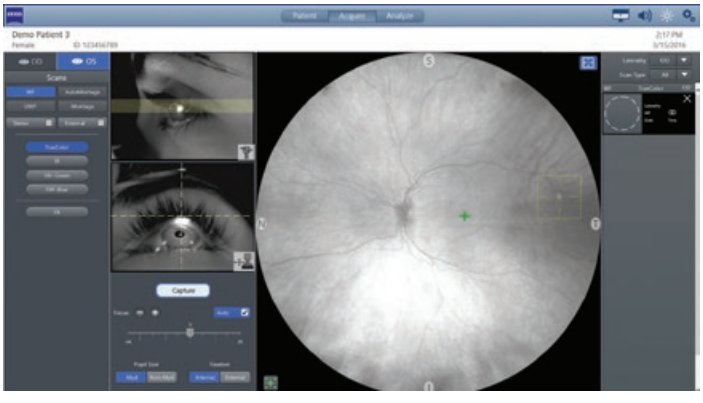
Original



AutoBright

GazePoint

Find the patient's gaze angle quickly and accurately. CLARUS 700 uses AI to automatically find the optic nerve head and accurately derive the patient's gaze rather than relying on internal fixation.



Technical Specifications
CLARUS 700 from ZEISS

Parameters

Imaging Modes:	
■ True Color (with Red, Green and Blue channel split)	■ Infrared reflectance
■ Fluorescein Angiography	■ External eye image (ocular surface)
■ Autofluorescence-Green	■ Stereo
■ Autofluorescence-Blue	
Field of View (measured from the center of the eye):	
■ Widefield (one image)	133˚
■ Ultra-widefield (two images)	200˚
■ Montage (up to six images)	up to 267˚
Resolution:	
■ Optical	7.3 µm
Minimum Pupil Diameter:	2.5 mm
Working Distance:	25 mm (patient's eye to front lens)
Compensation for ametropia:	- 24 D to + 20 D continuous
Light Sources:	
■ Red LED	585 - 640 nm
■ Green LED	500 - 585 nm
■ Blue LED	435 - 500 nm
■ Infrared laser diode	785 nm

Automatic Operations:		**Aquisition Speed:**	
■ Auto-focus	Auto Montage	■ Live IR Preview	10 frames/second
■ Auto-gain	Auto-laterality	■ Image Capture	≤ 0.2 seconds

Instrument Specifications

Instrument Weight:	50 lbs (22.7 kg)
Instrument Dimensions (W x D x H):	15" (38.1 cm) x 18" (45.7 cm) x 27" (68.6 cm)
Instrument Table:	
■ Description	Wheelchair accessible, electronic lift
■ Table Dimensions	37" (94 cm) x 27.5" (70 cm)
■ Weight	81 lbs (37 kg)
Instrument Input Power:	
■ Voltage and Mains Frequency	100-240VAC, 50/60 Hz
■ Electrical Class	IEC 60601-1 Class I

At-Instrument Computer

Monitor:	22" Full HD MVA LCD with LED Backlight	**Touch Screen:**	Capacitive, Multi-Touch
Resolution:	1920 x 1080	**RAM:**	32GB
Processor:	Intel® 6th Generation Core i5-6500TE	**Input/Output:**	USB 3.0 x 3; RS-232 x 2; 1.5 kV Isolated Gigabit Ethernet Port x 2; HDMI; and DisplayPort
Hard Drive:	2 TB (minimum 200,000 images)	**Operating System:**	Windows 10
Dimensions (W x D x H):		21.5" (54.6 cm) x 2.5" (6.4 cm) x 13.75" (34.9 cm)	
Weight:	17.2 lbs (7.8 kg)	**Mounting:**	VESA 75/100 mm

Download on the App Store

Download the ZEISS Image Library App directly from the App Store.
Explore a wide selection of modalities such as ultra-widefield and OCTA.

CE 0297

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