

Expanding insights with ultra-wide imaging

Color. Clarity. Complete.



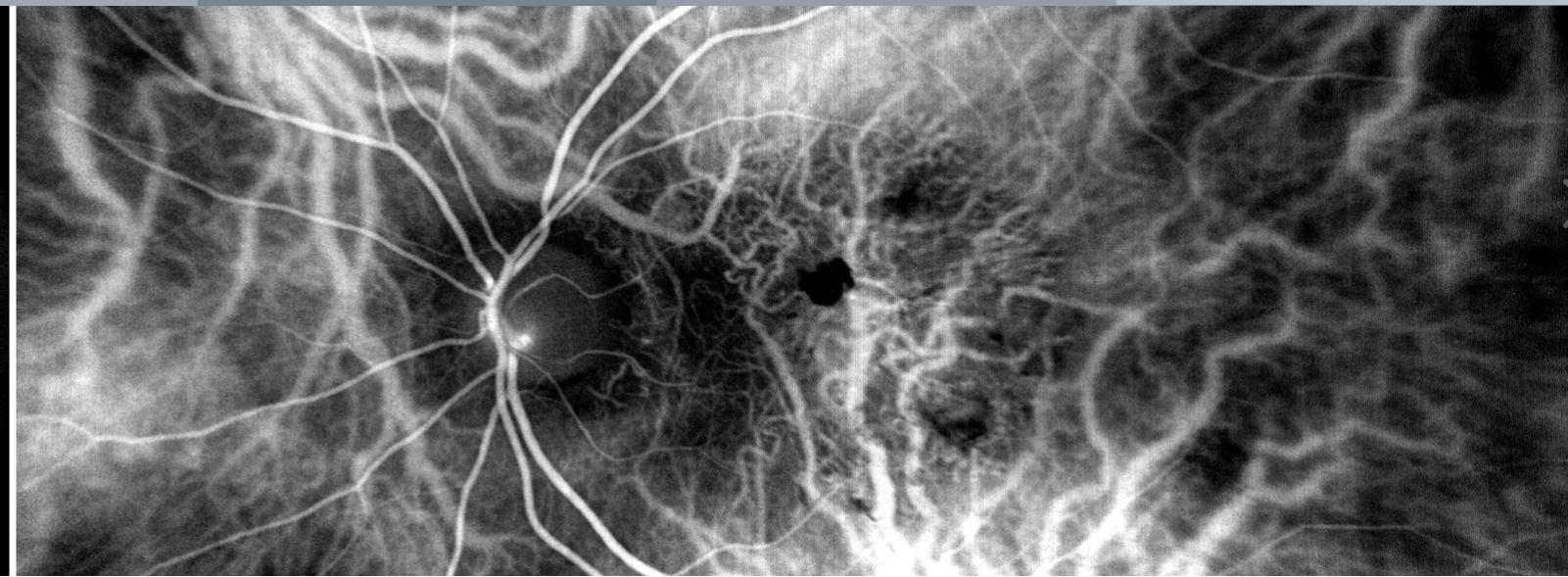
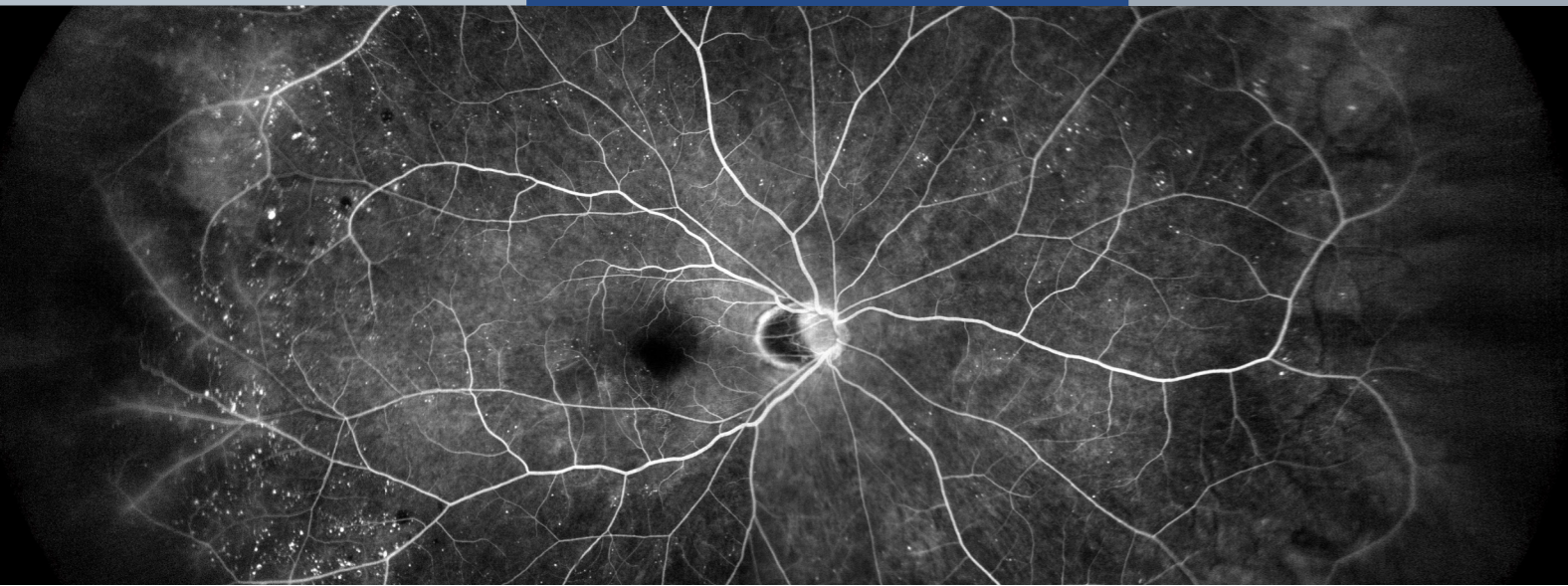
ZEISS CLARUS 700

With FA and ICGA imaging modalities



Seeing beyond

www.zeiss.com/clarus700

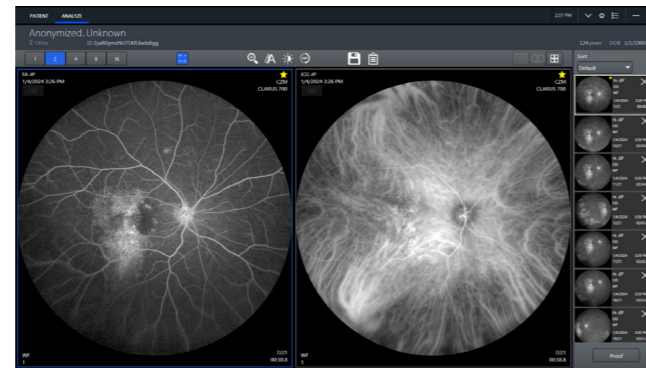


Advanced angiography. For confident clinical analysis.

See more details with fluorescein angiography

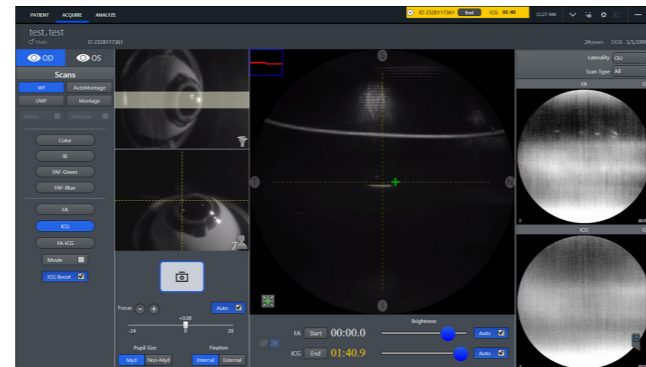
Ultra-widefield fluorescein angiography is helpful for identifying diabetic retinopathy, providing enhanced visualization of the peripheral retina, which is fundamental for assessing non-perfused areas, vascular leakage, microvascular abnormalities, and neovascularizations.

With the ZEISS CLARUS 700 ultra-widefield imaging and high-resolution FA, the smallest detail, from the Optic Nerve Head to the periphery, and can be captured in the early phase.



Simultaneous FA + ICG

Supports common workflows by injecting FA and ICG dyes at the same time



New capture menus

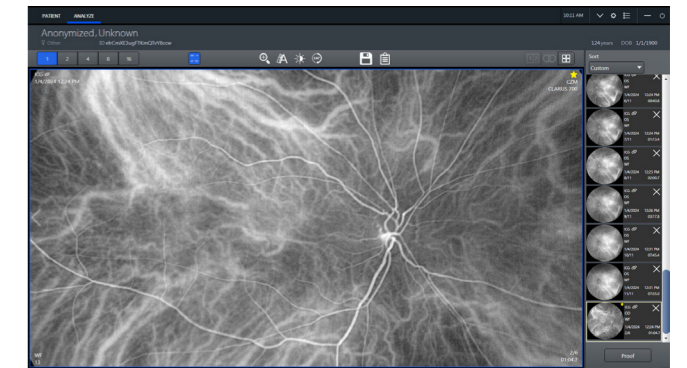
Includes FA, ICG, FA+ICG, Movie, Boost mode buttons

Enhance vascular visualization with ICG angiography

Indocyanine green angiography, an important imaging modality among many diagnostic imaging modalities used in retinochoroidal diseases, helps to study the anatomy, physiology, and pathology of choroidal and retinal circulation. It plays a critical role in the diagnosis of various ocular pathologies including wet AMD, PCV, CSCR, choroidal tumors and more.

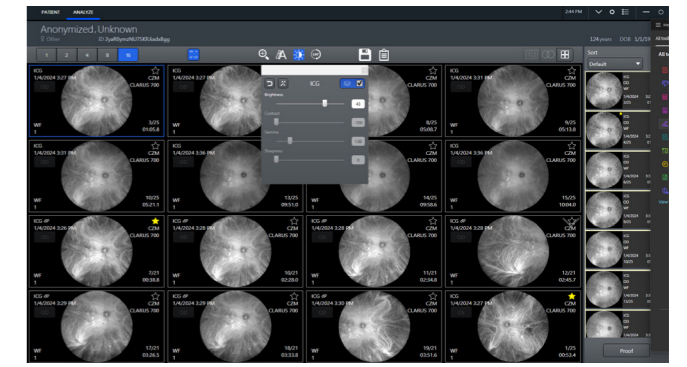
CLARUS 700 has the ability to capture widefield, early phase high-resolution images through late phase, ultra-widefield images.

Also, allowing FA + ICG simultaneous capture with the optional movie mode to see flow and leakage. The Boost mode is an additional feature that increases flash intensity and will not cause saturation.



Indocyanine Green Angiography (ICGA)

Aids in examining choroidal blood flow and retinal circulation



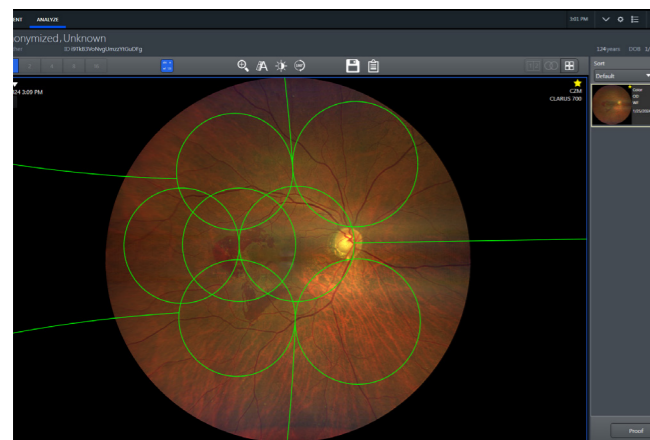
ICGA Boost Mode

Offers AutoBright options for FA or ICG only

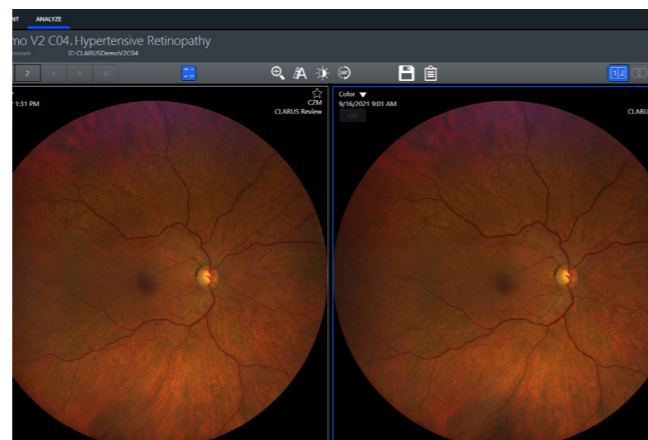
Optimized performance.

Streamline productivity with advanced imaging features.

ZEISS CLARUS 700 has introduced several new features that allow you to focus on what matters most—your patient. Through patented technology and proprietary algorithms, these features will maximize your workflow efficiency and decrease chair time.



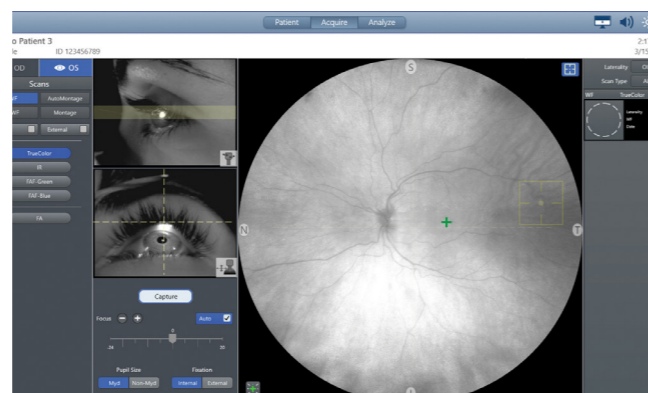
ETDRS Grid
Overlay of grids used to support clinical studies and patient education.



QuickCompare
Compare pathology changes observed in past visits with today's visit, by examining them side by side.



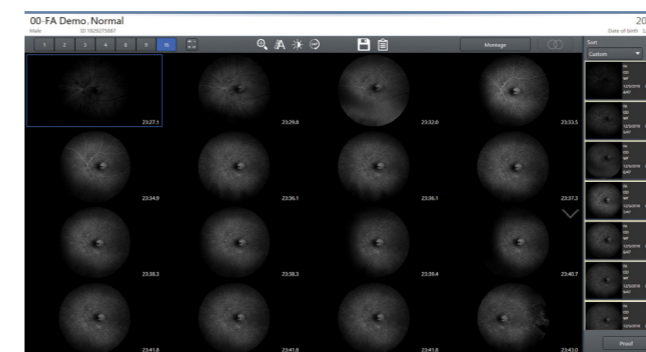
PrecisionFocus
With ZEISS CLARUS 700, you can quickly see details in the regions of interest by selecting where to optimize focus, without losing the macula focal point.



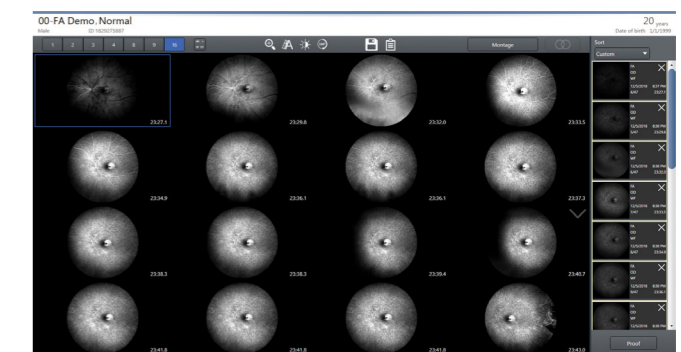
Fixation independent GazePoint
Find the patient's gaze angle quickly and accurately. ZEISS CLARUS 700 uses GazePoint, an AI-based algorithm that adjusts projection distortions automatically.



Original



AutoBright

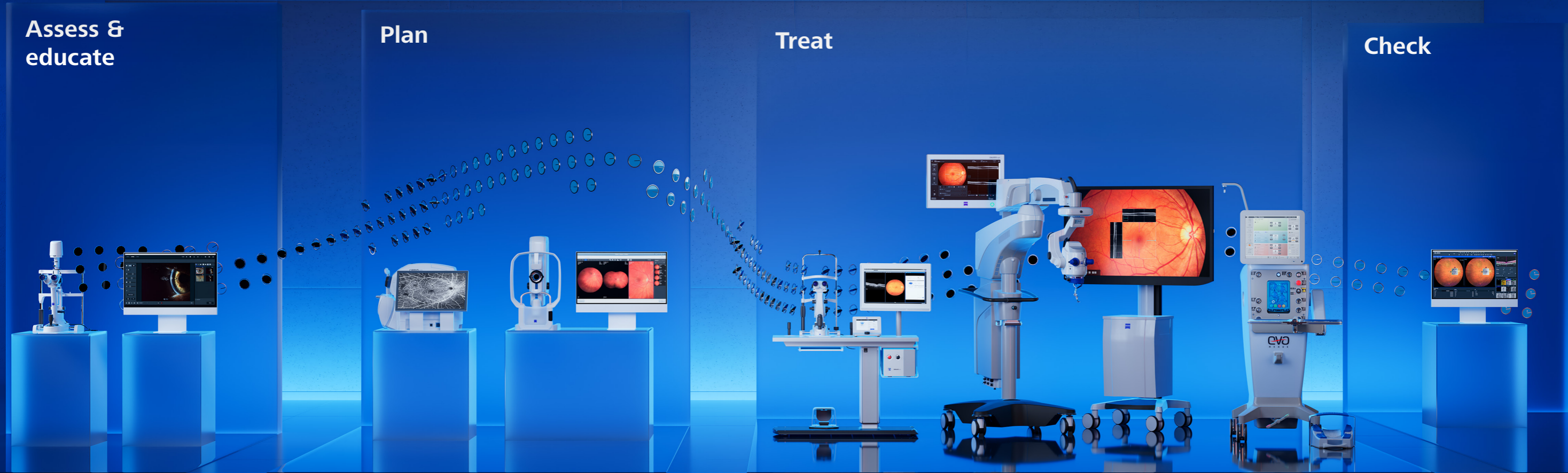


AutoBright

Spend time analyzing images rather than adjusting them. ZEISS CLARUS 700 automatically optimizes the brightness of 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.



Digitally connected workflow. Advancing retinal care.



Assess & educate

Plan

Treat

Check

With a comprehensive and integrated portfolio in retinal care, the ZEISS Retina Workflow empowers you to obtain deep insights for informed decision making and personalized patient care.

Assess & educate

Detecting pathology efficiently and with certainty

Identify and monitor even subtle pathologies, facilitating earlier treatment and optimal patient care.

Plan

Providing a clear path to care

Capture and transform diagnostic data into meaningful analyses that help facilitate enhanced practice workflow and determine the optimal treatment pathway.

Treat

Transforming treatment approaches

Advanced surgical and therapeutic technologies empower you to drive the evolution of treatment paradigms.

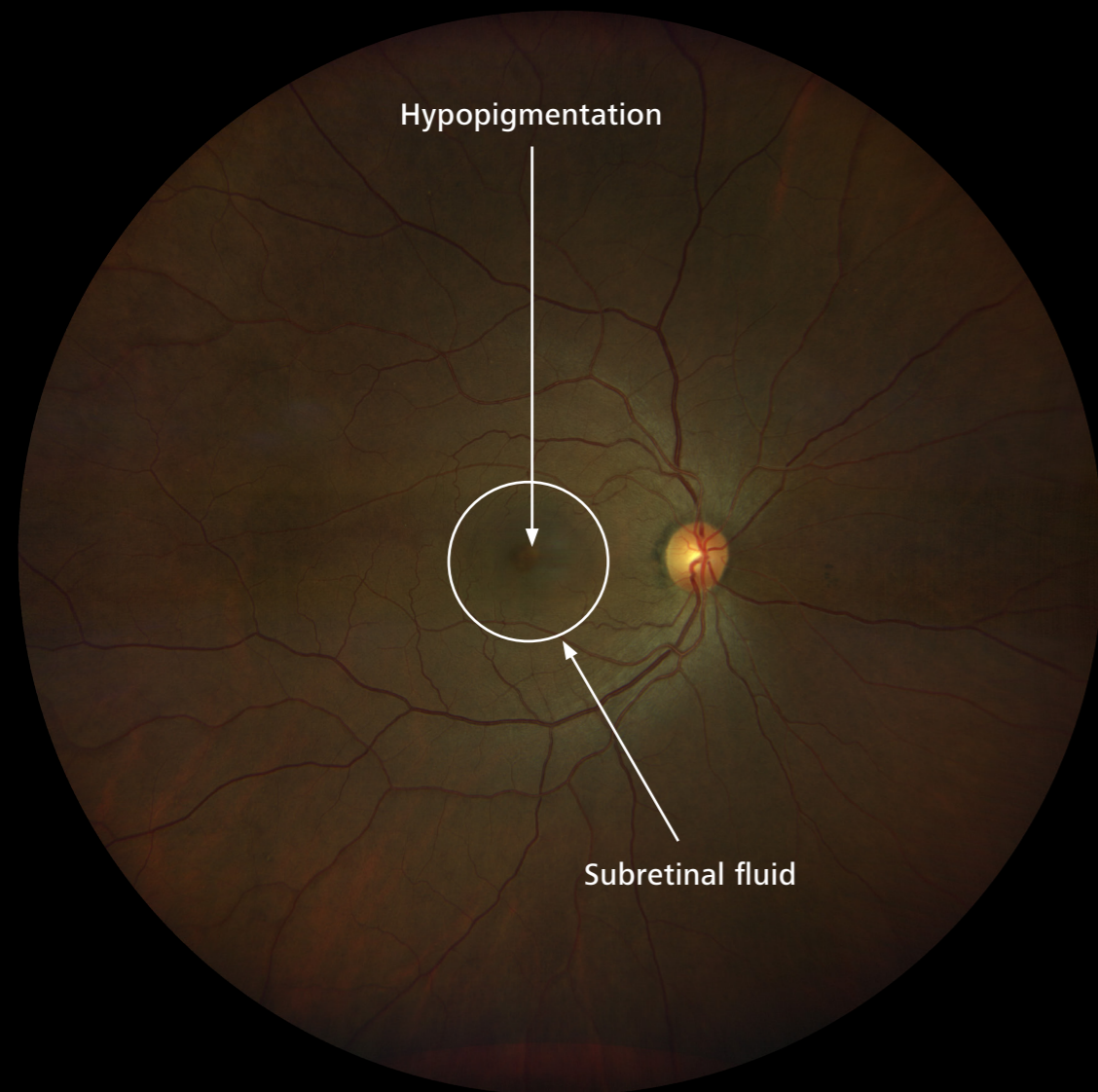
Check

Assessing treatment effectiveness over time

Easily and efficiently collect and maintain patient treatment data to measure structural changes over time and effectively manage your patients' ongoing eye care needs.



Case: Central Serous Chorioretinopathy (CSCR)

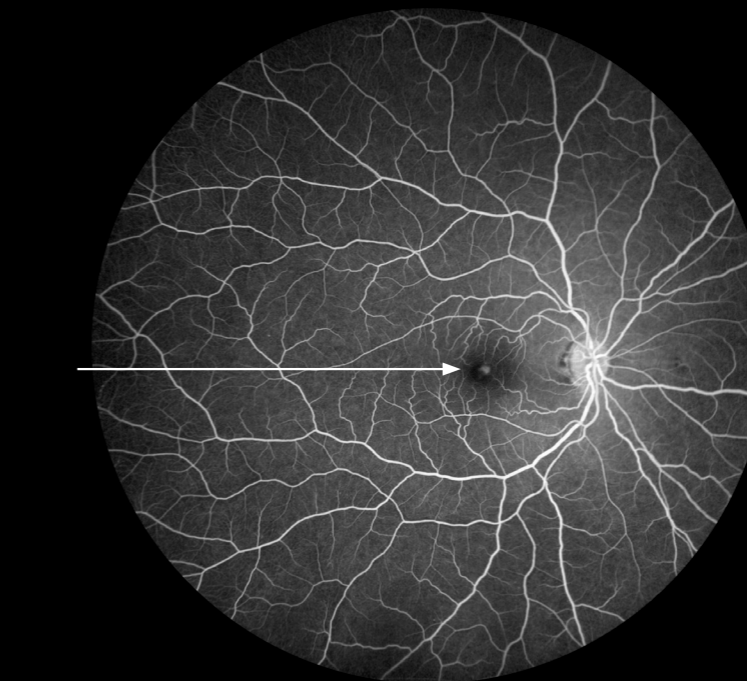
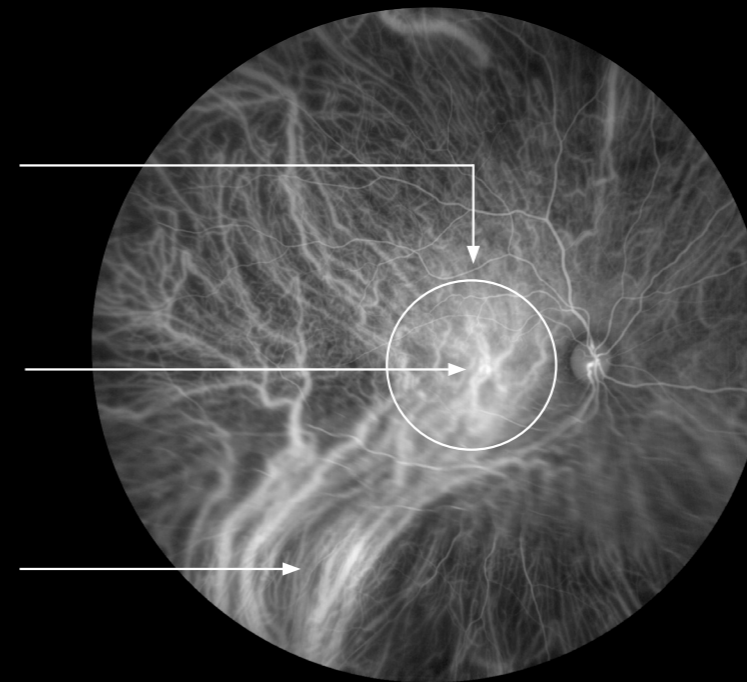


Anastomosis of choroidal vessels

Hyperfluorescence from a pathological choroidal vessel

Engorged inferotemporal vortex veins

Pigment epithelial detachment filling with fluorescein dye



Background

- A 55-year-old Asian female was seen for the complaint of blurry central vision in her right eye for 1-2 weeks
- Systemic and ocular history was otherwise unremarkable

Acquisition: A single widefield true color image was taken along with sequential images of fundus fluorescein angiography (FFA) and indocyanine green angiography (ICGA).

Diagnosis: The true color image along with images from the CLARUS 700 V.1.2 FFA and ICGA confirmed the diagnosis of central serous chorioretinopathy in the right eye.

Conclusion: The true color high-resolution image of the fundus showed central hypopigmentation and an area of subretinal fluid involving the fovea.

Widefield images of the CLARUS FFA show a fluorescence that is consistent with filling of a pigment epithelial detachment superonasal to the center of the macula.

The widefield CLARUS ICGA shows the dilated choroidal vasculature that arise from the inferotemporal vortex veins and cross the horizontal raphe to form anastomotic connections with choroidal vessels from the superior region. The focal area of intense hyperfluorescence near the center of the macula is a pathological choroidal vessel that is likely responsible for presence of subretinal fluid in this region. The widefield image allows the treating physician to better understand the pathology behind this CSCR case by providing visualization into the profile of the choroidal vessels not only in the center of the macula but also the peripheral retina. Like the FFA, ICGA does not reveal evidence of a choroidal neovascular membrane in this patient.

Want to view more cases?
Scan the QR code to access the ZEISS multi-modal clinical case library.





Case: Proliferative Diabetic Retinopathy with Macular Edema

Want to view more cases?
Scan the QR code to access the ZEISS multi-modal clinical case library.



Background

- A 45-year-old male patient was seen with the complaint of a vision defect in both eyes.
- Systemic history revealed presence of Diabetes Mellitus for 8 years.

Acquisition: A single widefield true color image was taken along with sequential images of Fundus Fluorescein Angiography (FFA), from early to late frames (ranging from 0.00 sec up to 5-6 minutes) with the AutoBright feature.

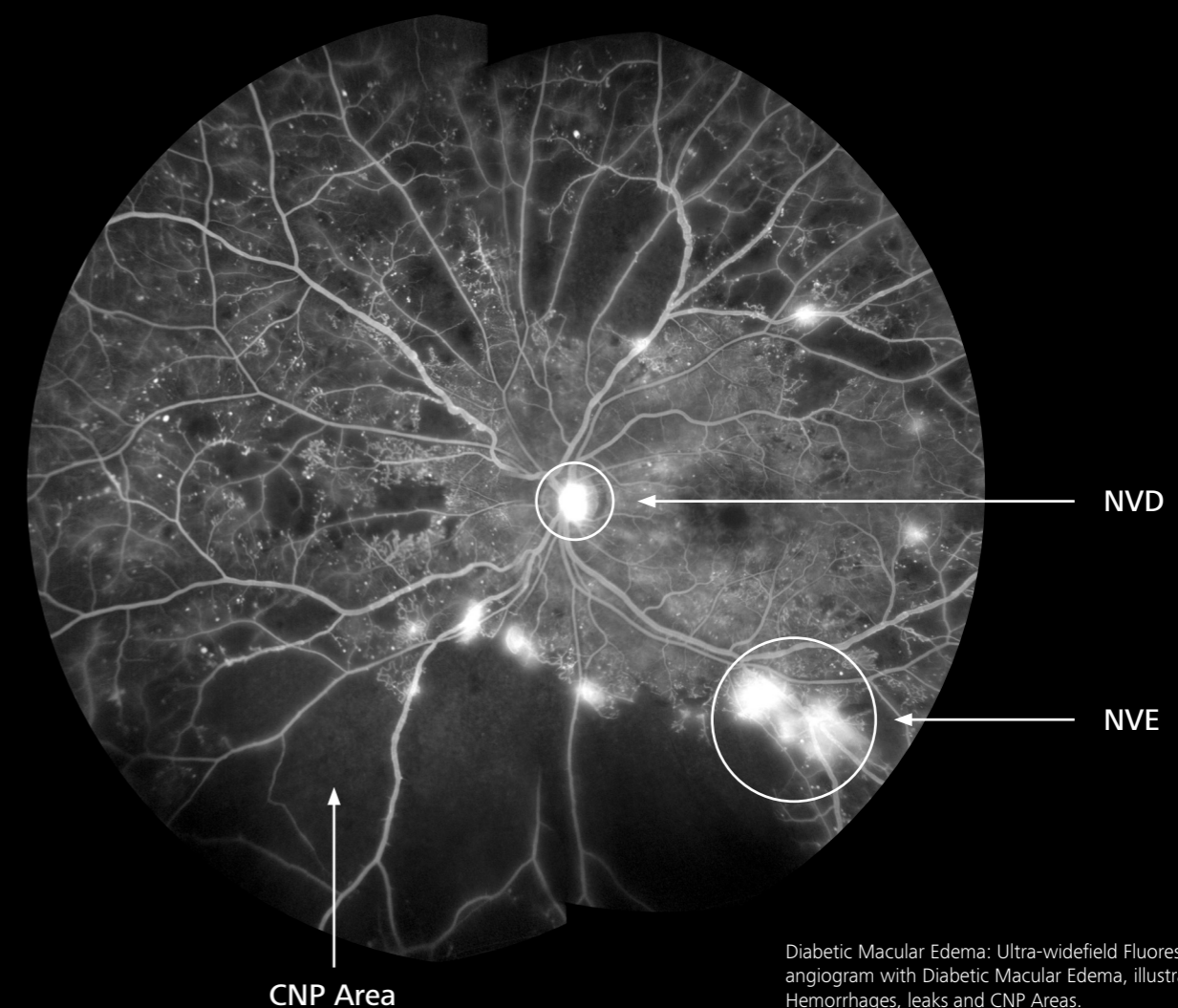
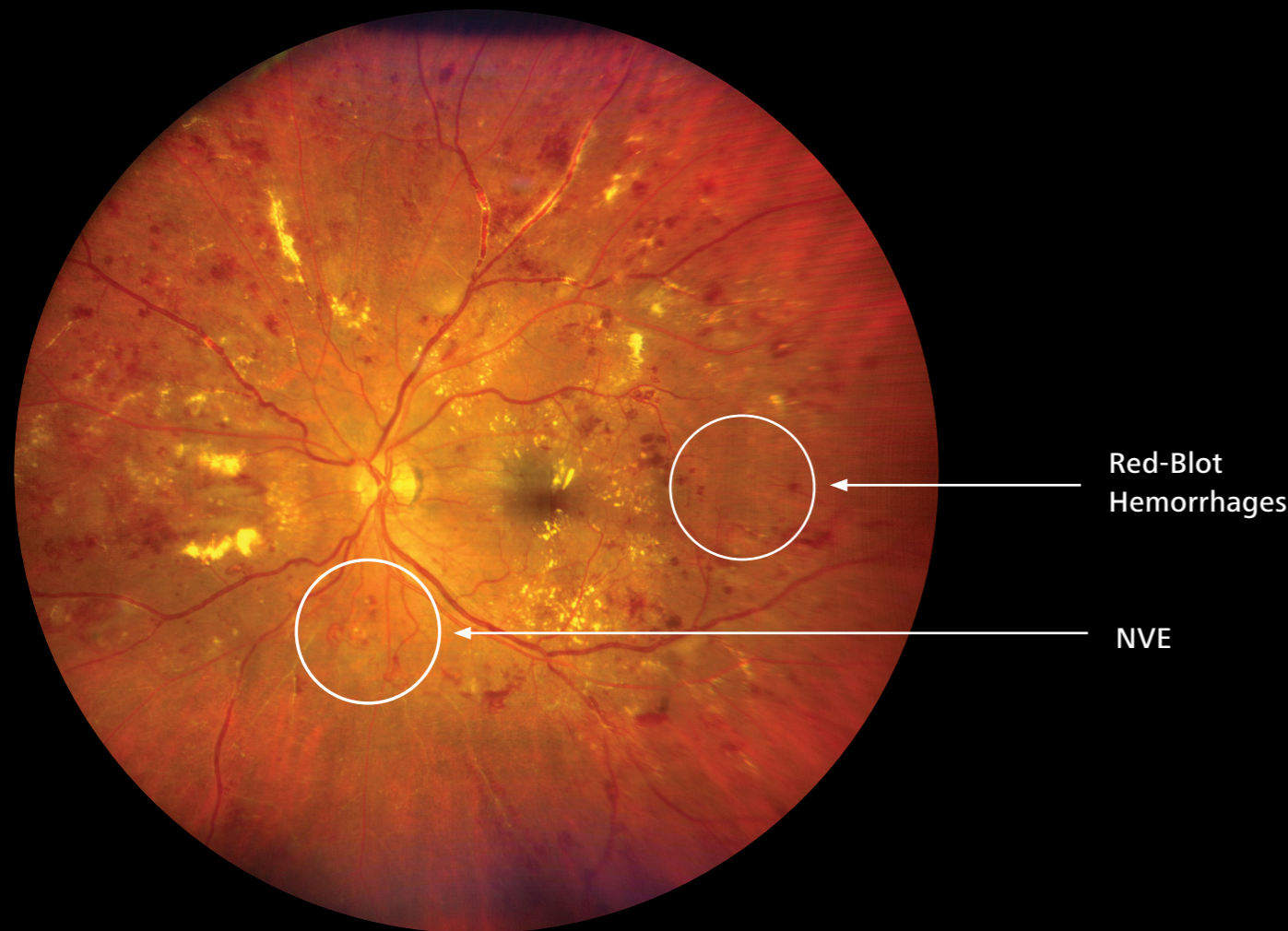
Diagnosis: A single Widefield image (133°) of ZEISS CLARUS was sufficient to cover the ETDRS 7 Field (an area essential for Diabetic Retinopathy screening and classification).

Conclusion: True Color high-resolution images showed multiple Dot and Blot Hemorrhages (DBHs), Cotton Wool Spots (CWS), hard exudates and neovascularization.

Widefield and Montage images of FFA suggested leaking microaneurysms, leakage in macular areas, and neovascularization elsewhere (NVE) in superior and inferior quadrants.

Areas of non-perfused retina (CNP) could be clearly seen in the peripheral part of the retina, showing neovascularization (NVD) and CNP areas of peripheral retina while maintaining the resolution and sharpness. The AutoBright feature helped to maintain the effective brightness throughout the angiogram, from early to late frames, for optimum visualization.

Treatment: Pan Retinal Photocoagulation (PRP).



Diabetic Macular Edema: Ultra-widefield Fluorescein angiogram with Diabetic Macular Edema, illustrating Hemorrhages, leaks and CNP Areas.

Images and diagnoses courtesy of Dr. Avnindra Gupta, Director, Nayanjyoti Eye & Laser Centre

Next-level data protection.

Designed for the future.

With ZEISS CLARUS, your patient data is never left behind. Legacy data from earlier ZEISS devices like VISUCAM® fundus cameras and third-party data through ZEISS FORUM transfers are accepted. You can export data to your EMR in several formats, including DICOM, JPG, TIFF, JPG2000, PNG and PDF/ePDF reports.

Enhanced cybersecurity

New enhanced cybersecurity features are designed to meet ever-evolving compliance and security needs. For the large institution IT requirements of today and tomorrow, ZEISS CLARUS offers features such as enhanced password security, enterprise-scale security requirements and more.

- ZEISS CLARUS offers Transport Layer Security (TLS) encryption for DICOM conformance, keeping your data secure as it travels between devices.
- ZEISS CLARUS supports FIPS mode in Windows 10 configuration, complying with security requirements for cryptography modules defined in the Federal Information Processing Standards (FIPS) developed by the U.S. National Institute of Standards and Technology.
- Within Windows Users Types, ZEISS CLARUS supports Active Directory, User Access Control, and Standard Users. The CLARUS application does not require administrator privileges to run, which protects the operating system from malicious users.
- ZEISS CLARUS uses MySQL 8.0 for database management.
- CLARUS Review Station supports installation on Windows 10 and 11 and Windows Server 2016, 2019 and 2022 operating systems.



Conformance and Interoperability

Interoperability is the communication of health information among medical devices and across health systems. It is the cornerstone to improving care coordination and realizing a connected healthcare future. By implementing recognized standards, ZEISS provides interoperability solutions in its medical devices and data management offerings. To access the ZEISS CLARUS DICOM Conformance Statement, please visit: www.zeiss.com/dicom.

Technical specifications

ZEISS CLARUS 700

Parameters

Imaging Modes:	Light Source	Illumination
<ul style="list-style-type: none"> ■ True Color, external 	<ul style="list-style-type: none"> ■ Blue LED ■ Green LED ■ Red LED 	<ul style="list-style-type: none"> ■ 430 - 480 nm ■ 480 - 600 nm ■ 600 - 650 nm
<ul style="list-style-type: none"> ■ FA ■ FAF-G ■ FAF-B 	<ul style="list-style-type: none"> ■ Green LED ■ Green LED ■ Blue LED 	<ul style="list-style-type: none"> ■ 480 - 510 nm ■ 480 - 570 nm ■ 430 - 480 nm
<ul style="list-style-type: none"> ■ Infrared reflectance (IR)* ■ ICGA 	<ul style="list-style-type: none"> ■ Near-IR Laser ■ Near-IR Laser 	<ul style="list-style-type: none"> ■ 780 - 800 nm ■ 780 - 800 nm
<ul style="list-style-type: none"> ■ FA-ICGA simultaneous imaging and video ■ FA-Indocyanine green (ICG) simultaneous movie mode ■ Stereo images ■ External eye images 		
Field of View (measured from the center of the eye):		
<ul style="list-style-type: none"> ■ Widefield (one image) ■ Ultra-widefield (two images) ■ Montage (up to six images) 	<ul style="list-style-type: none"> 133° 200° up to 267° 	
Resolution:		
<ul style="list-style-type: none"> ■ Optical 	7.3 µm	
Minimum Pupil Diameter:		
2.5 mm		
Working Distance:		
25 mm, cornea to glass		
Compensation for ametropia:		
- 24 D to + 20 D continuous		
Automatic Operations:		Acquisition Speed:
<ul style="list-style-type: none"> ■ Auto-focus ■ Auto-gain 	<ul style="list-style-type: none"> Auto Montage Auto-laterality 	<ul style="list-style-type: none"> ■ Live IR Preview ■ Image Capture
		10 frames/second ≤ 0.2 seconds

Instrument Specifications

Instrument Weight:	~ 23.6 kg
Instrument Dimensions (W × D × H):	362 mm × 546 mm × 676 mm
Instrument Table:	
<ul style="list-style-type: none"> ■ Description ■ Table Dimensions ■ Weight 	<ul style="list-style-type: none"> Wheelchair accessible, electronic lift 916 mm × 615 mm × 711 - 925 mm ~38 kg
Instrument Input Power:	
<ul style="list-style-type: none"> ■ Voltage and Mains Frequency ■ Electrical Class 	<ul style="list-style-type: none"> 100-240VAC, 50/60 Hz IEC 60601-1 Class I

At-Instrument Computer

Monitor:	22" Full HD MVA LCD with LED Backlight	Touch Screen:	Capacitive, Multi-Touch
Resolution:	1920 × 1080	RAM:	32 GB
Processor:	Intel® 6th Generation Core i5-6500TE	Input/Output:	USB 3.0 × 3; RS-232 × 2; 1.5 kV Isolated Gigabit Ethernet Port × 2; HDMI; and DisplayPort
Hard Drive:	2 TB (minimum 200,000 images)	Operating System:	Windows 10
Dimensions (W × D × H):	21.5" (54.6 cm) × 2.5" (6.4 cm) × 13.75" (34.9 cm)		
Weight:	~ 8.5 kg	Mounting:	VESA 75/100 mm

*Not available in the U.S.



0297

CLARUS 700



Carl Zeiss Meditec, Inc.

5300 Central Parkway

Dublin, CA 94568

USA

www.zeiss.com/clarus700

www.zeiss.com/us/med



Carl Zeiss Meditec AG

Goeschwitzer Strasse 52

07745 Jena

Germany

www.zeiss.com/clarus700

www.zeiss.com/med/contacts

en-INT_31_020_00181V CZ II/2026 International edition: Only for sale in selected countries.
The contents of the brochure may differ from the current status of approval of the product or service offering in your country. Please contact our regional representatives for more information.
Subject to changes in design and scope of delivery and due to ongoing technical development. CLARUS 700, Gazepoint, PrecisionFocus, AutoBright, VISUCAM, and FORUM are either trademarks or registered trademarks of Carl Zeiss Meditec AG or other companies of the ZEISS Group in Germany and / or other countries.
© Carl Zeiss Meditec, Inc., 2026. All rights reserved.

