

Carl Zeiss Meditec Features Solutions Designed to Enhance Clinical Value and Offers a Preview of Future Applications

The American Academy of Ophthalmology reported record attendance at its last Annual Meeting in Las Vegas. For Carl Zeiss Meditec (CZM), its exhibit booth and educational events were also well attended, due in part to the excitement surrounding the unveilings of the VisuMax femtosecond laser and the MEL 80 excimer laser. The company also presented its latest technologies for OCT imaging, advanced glaucoma progression analysis capabilities, and a broad spectrum of system and data connectivity solutions.

The latest applications for OCT platforms were shown, along with a demonstration of the new high definition OCT — the Cirrus™ HD-OCT. The dense sampling capability of this spectral domain-based OCT platform, coupled with its high axial resolution, reveals exceptional detail of the retinal layers and pathologies. Applications are being developed and validated to explore the clinical utility of the information-rich data provided by the Cirrus HD-OCT.

Promising new study results for the Visante OCT, the first stand-alone, high resolution OCT system for the anterior segment of the eye, were presented at an evening seminar. In one early-user study authored by industry consultant, Shareef Mahdavi of SM2 Consulting, the Visante OCT was shown to provide significant value in refractive surgery applications. Users were impressed with its ability to generate images previously unobtainable in daily clinical practice.

“The Visante OCT technology has potential to revolutionize the way surgeons plan and treat throughout the cornea and adjacent structures,” said Mahdavi.



In addition, Carl Zeiss Meditec showcased its Glaucoma Progression Analysis™ (GPA) tools for the Humphrey® Field Analyzer (HFA) and Stratus OCT. GPA can help clinicians to monitor rate of progression in order to determine the appropriate patient treatment.



Many of CZM's instruments, including the HFA, Stratus OCT, and GDx, may be connected to the VISUPAC Star system which compiles images, videos and data for display on review stations. VISUPAC Star and other connectivity solutions were featured at the Carl Zeiss Meditec booth as well as the Integrating the Healthcare Enterprise (IHE) exhibit, which was jointly sponsored by the American Academy of Ophthalmology and the American Academy of Ophthalmic Executives.

Finally, Carl Zeiss Meditec sponsored 49 booth theater presentations and four off-site educational events for OCT Technologies, Glaucoma Progression, Refractive Innovation, and the first Users Group Meeting for Stratus OCT users. Speaker presentations for many of these events may be viewed on demand at www.zeiss.com/aa0.

