US Product News

FDA clearance for the OCULUS Pentacam® AXL with optical biometry

The new OCULUS Pentacam® AXL has received the 510(k) clearance of the US Food and Drug Administration (FDA). The Pentacam® AXL represents the systematic further development of the successful and time-proven Pentacam® HR. Anterior segment tomography and optical biometry – all in one device and with a single measuring operation.

The intuitive and network-compatible IOL calculation software offers solutions to nearly every challenge. Standard formulas, ray-tracing formulas, and formulas for treated corneas are already integrated into the IOL calculator. The calculation of toric IOLs is based on the total corneal refractive power (TCRP), thus taking the influence of the posterior corneal surface into account. A comprehensive IOL database with IOL constants for the Pentacam® AXL is also integrated.

Also the Pentacam® AXL offers a well-targeted screening process, Fast Screening Report, Belin/Ambrósio Enhanced Ectasia Display (early detection of corneal ectasia) and densitometric evaluation (Corneal Optical Densitometry & PNS) for every cataract patient. Whether aspherical, toric or multifocal: with the Cataract Pre-OP display, the premium IOL can be selected in 4 steps.

The IOL Constants Optimization from Prof. Wolfgang Haigis permits a continuous enhancement of the results. Surgical data and post refractive examination findings are secured with just a few clicks.

For further information on the new Pentacam® AXL please contact your local OCULUS distributor or visit our website at www.pentacamxl.com.