

IOLMaster remains gold standard

The Zeiss IOLMaster 500 is the gold standard in optical biometry. I trust in the accuracy, repeatability and consistency of measurements. That has long been proven.

When I think of the success of biometry in my office and how much I depend on it, I first have to think of the total ease of use of distance-independent measurements and an up to four times faster reading compared with other optical devices. The test time can be less than 1 minute, which minimizes “chin time” and “chair time,” thereby increasing the flow in my office. Today there are so many tests done by my tech that I am spoiled because she has been doing all of my preop testing for the last 15 years. So anything that is helpful to her to decrease time and aggravation is helpful to my patients and me.



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The composite signal analysis does a great job of penetrating dense cataracts and pretty much eliminates the need to review, manipulate or delete individual readings, which is great for you as the surgeon when you are not taking the axial length measurements yourself.

Both the axial length readings and the keratometry, which uses telecentric optics and is less affected by vertex distance, provide a measurement workflow that is easy and consistent, even on patients who are typically difficult to measure, such as elderly patients with tremors, fixation problems or Parkinson's — patients who the Lenstar has a hard time capturing.

I use Haigis-L for all my post-LASIK/PRK patients. It is a great formula for when you do not have any refractive history, and with my large post-refractive practice, this is a must. The Holladay 2 formula is integrated as well, the gold standard in optical biometry to help you improve your refractive outcomes. Finally, the User Group for Laser Interference Biometry website database has hundreds of IOLs included with optimized lens constants to use as a starting point for further on-board optimization of your personalized lens constants. This is unique in the ophthalmic industry. Any IOL calculation is only as reliable as the lens constant it is based on.

Thinking about the future, soon to be released is the IOLMaster 700. Zeiss revolutionized cataract pre-assessment with the first optical biometer, and it is poised to do the same again with the first swept-source OCT-based biometry device, the IOLMaster 700. Without a doubt, I am a believer in this technology. I have based my successful outcomes on this, and it has proven to me over and over again how invaluable it has become. Zeiss has always been on the forefront of technology, so I am poised for its next act.

For more information:

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