World Academy of Science, Engineering and Technology
International Journal of Bioengineering and Life Sciences
Vol:17, No:06, 2023

The Effectiveness and Accuracy of the Schulte Holt IOL Toric Calculator Processor in Comparison to Manually Input Data into the Barrett Toric IOL Calculator

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Abstract : This paper is looking to prove the efficacy of the Schulte Holt IOL Toric Calculator Processor (Schulte Holt ITCP). It has been completed using manually inputted data into the Barrett Toric Calculator and comparing the number of minutes taken to complete the Toric calculations, the number of errors identified during completion, and distractions during completion. It will then compare that data to the number of minutes taken for the Schulte Holt ITCP to complete also, using the Barrett method, as well as the number of errors identified in the Schulte Holt ITCP. The data clearly demonstrate a momentous advantage to the Schulte Holt ITCP and notably reduces time spent doing Toric Calculations, as well as reducing the number of errors. With the ever-growing number of cataract surgeries taking place around the world and the waitlists increasing -the Schulte Holt IOL Toric Calculator Processor may well demonstrate a way forward to increase the availability of ophthalmologists and ophthalmic staff while maintaining patient safety.

Keywords : Toric, toric lenses, ophthalmology, cataract surgery, toric calculations, Barrett
Conference Title : ICOOVS 2023 : International Conference on Ophthalmology, Optometry and Vision Sciences
Conference Location : Oslo, Norway
Conference Dates : June 22-23, 2023