

Optimizing time and cost in surgery planning

Leveraging the benefits of the ZEISS Premium Cataract Workflow in toric patients



Seeing beyond

Source

Title
Evaluation of the Efficiency of a Digital Workflow for Cataract Planning in Patients with Astigmatism.

Authors
Matthew Russell and Yan Inez Hsing

Publication
[Clinical Ophthalmology \(2024\): 1441-1446 DOI: 10.2147/OPHTH.S454549](#)

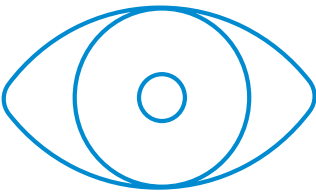
Methodology & Setup

Setting



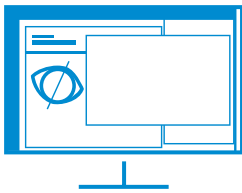
Single-center private cataract surgery clinic

Sample size



Prospective study with **120 eyes** (60 patients) requiring **toric IOLs**

Added digital ZEISS solutions



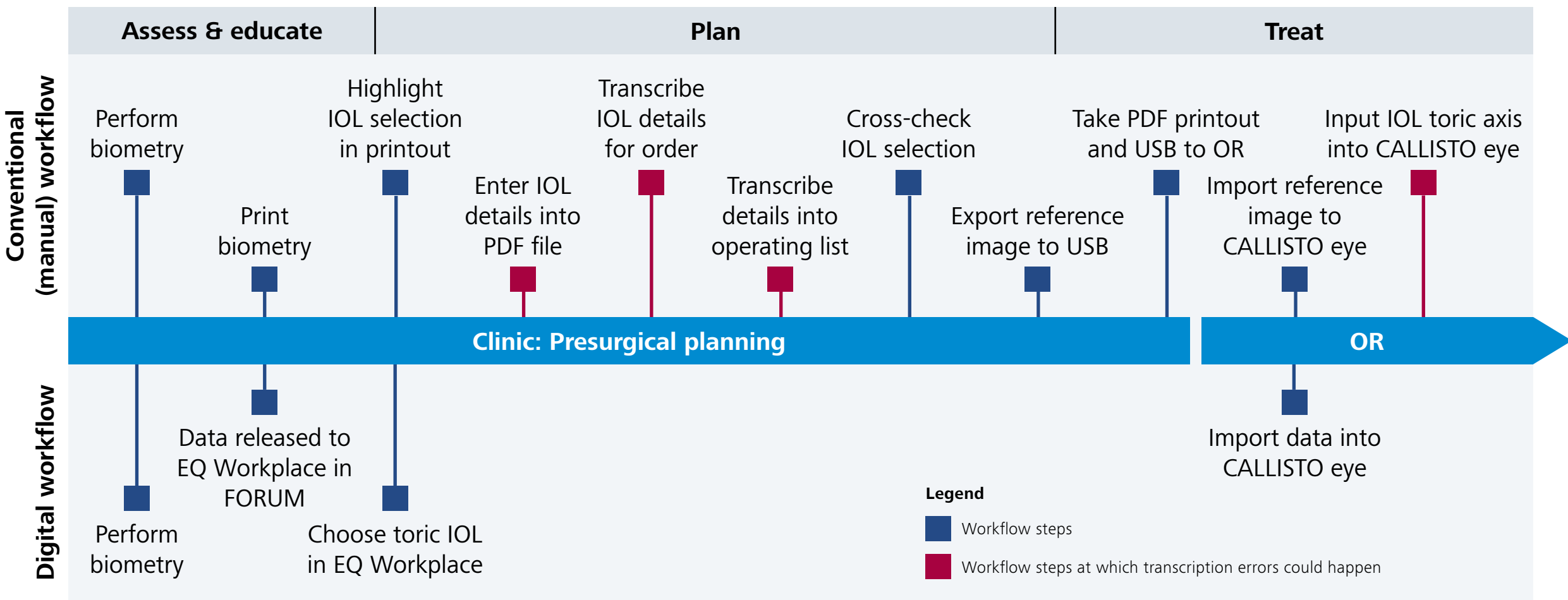
- ZEISS FORUM
- ZEISS EQ Workplace

Main evaluation criteria for the digital cataract workflow versus existing conventional workflow

- Comparison of **mean time for pre-operative planning and data import into ZEISS CALLISTO eye**
- **Staff remuneration during pre-operative planning and operating costs associated with ZEISS EQ Workplace**

Results

With the digital workflow the number of steps can be significantly reduced



With the streamlined workflow time and cost savings can be enabled

Time saving for pre-operative planning per eye* 5:49 (min:sec)	Time saving for pre-operative planning & data import per eye* 6:34 (min:sec)	Cost savings per toric patient 35%	Annual cost savings USD 6.600
--	--	--	---

The ZEISS Premium Cataract Workflow can **reduce the time and cost** of planning a toric IOL implantation and provides greater **peace of mind** by reducing error-prone data entries through pre-population of fields.

The initial **investment** and ongoing **subscription fees** for running ZEISS EQ Workplace can be **offset** by the potential efficiency **gains** and **cost savings**.

Source of the graph: Own illustration based on Russell and Hsing (2024).

*The time savings are calculated by subtracting the provided study values and converting the resulting decimal values into the time format of minutes and seconds (min:sec).

For further details see publication