

1. Record Nr.	UNINA9910647228503321
Titolo	Current Challenges and Advances in Cataract Surgery // by Nobuyuki Shoji (editor)
Pubbl/distr/stampa	[Place of publication not identified] : , : MDPI - Multidisciplinary Digital Publishing Institute, , 2023
ISBN	3-0365-6278-8
Descrizione fisica	1 online resource (150 pages)
Disciplina	617.7/42059
Soggetti	Cataract - Surgery - Complications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface to "Current Challenges and Advances in Cataract Surgery" vii -- Proteomic Analysis of Aqueous Humor Proteins in Association with Cataract Risks: Diabetes and Smoking 1 -- Development of a New Method for Calculating Intraocular Lens Power after Myopic Laser In Situ Keratomileusis by Combining the Anterior-Posterior Ratio of the Corneal Radius of the Curvature with the Double-K Method 17 -- Conditional Process Analysis for Effective Lens Position According to Preoperative Axial Length 27 -- Facilitating Role of the 3D Viewing System in Tilted Microscope Positions for Cataract Surgery in Patients Unable to Lie Flat 39 -- Saving of Time Using a Software-Based versus a Manual Workflow for Toric Intraocular Lens Calculation and Implantation 45 -- A Comparison of Visual Quality and Contrast Sensitivity between Patients with Scleral-Fixated and In-Bag Intraocular Lenses 53 -- Comment on "Iida et al. Development of a New Method for Calculating Intraocular Lens Power after Myopic Laser In Situ Keratomileusis by Combining the Anterior-Posterior Ratio of the Corneal Radius of the Curvature with the Double-K Method. -- J. Clin. Med. 2022, 11, 522" 63 -- Intraoperative Anterior Segment Optical Coherence -- Tomography in the Management of Cataract Surgery: State of the Art 67 -- IOL Power Calculations and Cataract Surgery in Eyes with Previous Small Incision Lenticule Extraction 81 -- Investigating the Prediction Accuracy of Recently Updated Intraocular Lens Power Formulas with Artificial Intelligence for High Myopia 91 --

Evaluation of Visual and Patient-Reported Outcomes, Spectacle Dependence after Bilateral Implantation with a Non-Diffractive Extended Depth of Focus Intraocular Lens Compared to Other Intraocular Lenses 99 -- Accuracy of Six Intraocular Lens Power Calculations in Eyes with Axial Lengths Greater than 28.0 mm 113 -- Dry Eye Following Femtosecond Laser-Assisted Cataract Surgery: A Meta-Analysis 123.

Sommario/riassunto

This reprint focuses on new trials related to cataract surgery, intraocular lens power calculations for cataracts after refractive surgery, problems related to high myopia, toric IOL power calculations, etc. Intraoperative use of the 3D Viewing System and OCT, studies on the spectacle dependence of EDOF, IOL fixation status and visual function, and dry eye after FLAC are also discussed. Proteomic analysis of aqueous humor proteins is also discussed.
