

# Institut für Forschung und Innovation in der Augenchirurgie

Institutsleitung: Prim. Univ.-Prof. Dr. Dr. Oliver Findl, MBA

## Wissenschaftliche Publikationen 2022:

- 1) The CRW1 Index: Identification of Eyes with Previous Myopic Laser Vision Correction Using Only a Swept-Source OCT Biometer.  
Cooke DL, Riaz KM, Murphy DA, Findl O, Langenbacher A, Gu D, Basti S, Cannon N, Pantanelli SM, Bolz M, Wendelstein  
J.Am J Ophthalmol. 2022 Nov
- 2) An evaluation of the efficacy of a supplemental computer-based tutorial to enhance the informed consent process for cataract surgery: an exploratory randomized clinical study.  
Ullrich M, Findl O, Kefer K, Döllner B, Varsits R, Hienert J, Hirschsall N.  
BMC Ophthalmol. 2022 Nov
- 3) Influence of combined phacovitrectomy without tamponade on intraocular lens displacement and postoperative refraction  
Mayer-Xanthaki C F, Hirschsall N, Gabriel M, Großpötzl M, Wallisch F, Findl O, Haas A  
Acta Ophthalmol. 2022 Nov
- 4) Diagnostic accuracy of code-free deep learning for detection and evaluation of posterior capsule opacification.  
Huemer J, Kronschläger M, Ruiss M, Sim D, Keane PA, Findl O, Wagner SK.  
BMJ Open Ophthalmol. 2022 May
- 5) Attaining the optimal flange size with 5-0 and 6-0 polypropylene sutures for scleral fixation.  
Kronschläger M, Blouin S, Ruiss M, Findl O.  
J Cataract Refract Surg. 2022 Aug 1
- 6) The human lens: An antioxidant-dependent tissue revealed by the role of caffeine.  
Ruiss M, Findl O, Kronschlaeger M  
Ageing Res Rev. 2022 Jun 8
- 7) Evaluation of intraoperative aphakic eye axial length measurements using swept-source OCT  
Hienert J, Amir Asgari S, Matz H, Hirschsall N, Findl O  
J Cataract and Refrac Surg 2022 Jun 1
- 8) Influence of combined phacovitrectomy without tamponade on intraocular lens displacement and postoperative refraction.  
Mayer-Xanthaki CF, Hirschsall N, Gabriel M, Großpötzl M, Wallisch F, Findl O, Haas A.  
Acta Ophthalmol. 2022 May 27
- 9) Diagnostic Reliability of Optical Coherence Tomography Biomarkers for Postsurgical Success in Visual Acuity in Patients with Idiopathic Epiretinal Membranes.  
Leisser C, Amon DL, Huemer JC, Findl O.  
Klin Monbl Augenheilkd. 2022 Apr.

- 10) Structure-function analysis of MP3 microperimetry versus Octopus perimetry in central glaucomatous visual field defects.  
Georgiev S, Palkovits S, Hirnschall N, Schlatter A, Leisser C, Findl O.  
Ophthalmic Res. 2022 Mar 10
- 11) Traumatic cataract in a young patient with myopia  
Nuijts RMMA, Ollivier R, Kermani O, Carones F, Findl O, Aramberri J, Alió J, Reus NJ, Rosen P  
J Cataract and Refractive Surg 2022 Mar 1
- 12) Influence of Biometric Data on Planning Strabismus Surgery  
Hirnschall N, malek K, Kaltofen T, Priglinger S, Harrer A, Findl O, Partik G  
Klein Monbl Augenheilk Mar 2022
- 13) Thickness of the Protective Layers of Different Ophthalmic Viscosurgical Devices During Lens Surgery in a Porcine Model  
Melanie Wüst, Philipp Matten, Magdalena Nenning, Oliver Findl  
Translational Vision Science & Technology February 2022, Vol.11, 28.
- 14) The blue light hazard versus blue light hype  
Mainster MA, Findl O, Dick HB, Desmettre T, Ledesma-Gil G, Curcio CA, Turner PL  
Am J Ophthalmol. 2022 Feb 25
- 15) Physics-aware learning and domain-specific loss design in ophthalmology.  
Burwinkel H, Matz H, Saur S, Hauger C, Trost M, Hirnschall N, Findl O, Navab N, Ahmadi SA  
Med Imag Anal. 2022 Feb
- 16) Negative dysphotopsia evaluation using individualized eye models.  
State M, Palkovits S, Alarcon A, Findl O, Canovas C, Piers P.  
J Vis. 2022 Feb
- 17) Combining vascular and nerve fiber layer thickness measurements to model glaucomatous focal visual field loss.  
Kallab M, Hommer N, Schlatter A, Chua J, Tan B, Schmidl D, Hirn C, Findl O, Schmetterer L, Garhöfer G, Wong  
D. Ann N Y Acad Sci. 2022