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## Research outputs

### **Corneal decompensation after PreserFlo Microshunt surgery**

Damgaard, I. B., Ivarsen, A., Hjortdal, J., Bach-Holm, D. & Telinius, N., 4 Mar 2025, (E-pub / Early view) In: Acta Ophthalmologica.

### **Keratorefractive Lenticule Extraction for Myopia and Myopic Astigmatism With the VISUMAX 800: 6-Month Outcomes of a Prospective Multi-center Post-market Clinical Follow-up Study**

Sekundo, W., Chang, J. S. M., Ganesh, S., Hjortdal, J. & Wiltfang, R., Mar 2025, In: Journal of Refractive Surgery. 41, 3, p. e264-e271

### **Early findings in a randomised controlled trial on crosslinking protocols using isoosmolar and hypoosmolar riboflavin for the treatment of progressive keratoconus**

Gustafsson, I., Olafsdottir, T., Neumann, O., Johansson, P., Bizios, D., Ivarsen, A. & Hjortdal, J. Ø., Feb 2025, In: Acta Ophthalmologica. 103, 1, p. 23-32 10 p.

### **Corneal Graft Rejection: Is it Reflected in Peripheral Immune Cells? Results of a Prospective Multicenter Study (VISICORT)**

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### **Prospective In Vivo Confocal Microscopy of the Central Cornea in Terrien Marginal Degeneration**

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### **Intraocular pressure-related side-effects after endothelial keratoplasty**

Madsen, M. B. M., Ivarsen, A., Telinius, N. & Hjortdal, J., Sept 2024, In: Acta Ophthalmologica. 102, 6, p. 674-682 9 p.

### **Immunophenotypical Characterization of Limbal Mesenchymal Stromal Cell Subsets during In Vitro Expansion**

Aghazadeh, S., Peng, Q., Dardmeh, F., Hjortdal, J. Ø., Zachar, V. & Alipour, H., 9 Aug 2024, In: International Journal of Molecular Sciences. 25, 16, 8684.

### **Does Corneal Topography Using 3-Dimensional Optical Coherence Tomography Suggest Different Subtypes of Terrien Marginal Degeneration?**

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### **Outcomes after reversed corneal graft rejection: a report from the European VISICORT project**

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### **Visual function after ultrathin Descemet's stripping automated endothelial keratoplasty or Descemet's membrane endothelial keratoplasty combined with cataract surgery: a randomised controlled clinical trial**

Madsen, M. B. M., Ivarsen, A. & Hjortdal, J., May 2024, In: British Journal of Ophthalmology. 108, 5, p. 654-661 8 p., bjo-2023-323304.

### **Clinical Evaluation of a New Spectral-Domain Optical Coherence Tomography-Based Biometer**

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### **Prospective Observational Study Evaluating Systemic Hormones and Corneal Crosslinking Effects in Keratoconus**

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### **Refractive and cataract surgery beyond VISION2020**

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### **Systemic and ocular associations of Keratoconus**

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### **Macular Thickness After Ultrathin Descemet Stripping Automated Endothelial Keratoplasty and Descemet Membrane Endothelial Keratoplasty Combined With Cataract Surgery: A Randomized Controlled Clinical Trial**

Molbech Madsen, M. B., Ivarsen, A. & Hjortdal, J., 1 Dec 2023, In: *Cornea*. 42, 12, p. 1536-1543 8 p.

### **Patient experience and repeatability of measurements made with the Pentacam HR in patients with keratoconus**

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### **Corneal transplantation in aniridia-related keratopathy with a two-year follow-up period, an uncommon disease with precarious course**

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**The importance of donor characteristics, post-mortem time and preservation time for use and efficacy of donated corneas for posterior lamellar keratoplasty**  
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**Diagnostic Criteria for Terrien Marginal Degeneration: Nordic Terrien Degeneration Study**

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**7-year results of SMILE for high myopia: Visual and refractive outcomes and aberrations**

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**Increasing incidence of Acanthamoeba keratitis in a large tertiary ophthalmology department from year 1994 to 2018**

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**Corneal biomechanical change assessment using biomechanical waveform analyzer parameters: Contralateral comparison of eyes having femtosecond lenticule extraction and small-incision lenticule extraction for moderate to high myopia**

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## **Employment**

### **Clinical Professor**

Department of Clinical Medicine - Department of Ophthalmology

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29 Jul 2011 → present

## **Activities**

### **Member of the drafting group: Guide to the Quality and Safety of Tissues and Cells for Human Application. (Event)**

Hjortdal, J. (Member)

1 Jan 2020 → 30 Sept 2022

### **Nordic Ophthalmological Conference**

Hjortdal, J. (Organizer)

8 Jun 2016 → 12 Jun 2016

### **European Eye Bank Association**

Hjortdal, J. (Organizer)

22 Jan 2016 → 23 Jan 2016

### **European Society for Cataract and Refractive Surgery**

Hjortdal, J. (Speaker)

9 Sept 2012

### **Nordic Ophthalmological Meeting**

Hjortdal, J. (Speaker)

25 Aug 2012 → 27 Aug 2012

### **Association for Research in Vision and Ophthalmology**

Hjortdal, J. (Speaker)

10 May 2012

### **Chair of the European Board of Ophthalmology peer review committee for the BCSC 13 Refractive Surgery 2014-15 edition**

Hjortdal, J. (Member)

1 Mar 2012 → 1 Oct 2012

### **European Eye Bank Association**

Hjortdal, J. (Speaker)

21 Jan 2012

### **European Cornea Conference**

Hjortdal, J. (Organizer)

17 Jun 2011 → 19 Jun 2011

### **Svensk Comealkirurgisk Forening**

Hjortdal, J. (Organizer)

25 May 2011 → 27 May 2011

### **Organization of Danish Ophthalmologists**

Hjortdal, J. (Chair)

Sept 2010 → ...

**The molecular biology of keratoconus and its aspects**

Hjortdal, J. (Invited speaker)

17 Jun 2007 → 20 Jun 2007

**Projects**

**ARREST BLINDNESS: Advanced Regenerative and REStorative Therapies to combat corneal BLINDNESS**

Hjortdal, J. (Participant)

01/01/2016 → 31/12/2019

**VISICORT: Adverse Immune Signatures and their Prevention in Corneal Transplantation**

Hjortdal, J. (Participant)

01/04/2014 → 31/03/2019

**Cornea biomechanics**

Breitenbach, T. (Participant), Hjortdal, J. (Participant) & Søndergaard, A. P. (Participant)

01/12/2011 → ...

**VEMoS: Virtual eye model system for personalised refractive surgery treatment**

Hjortdal, J. (PI)

01/01/2020 → 31/12/2022