

## **Business addresses**

Jakob Grauslund, MD, PhD, DMSc  
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## **Education**

1993-1996: High School Student. Haderslev Katedralskole, Haderslev, Denmark

1997-2004: Medical Student. Faculty of Health Science, University of Southern Denmark, Odense, Denmark

2006-2009: PhD Student. Institute of Clinical Research, Faculty of Health Science, University of Southern Denmark, Odense, Denmark, and Department of Ophthalmology, Odense University Hospital, Odense, Denmark

2010-2011: Teacher-Training Programme for Assistant Lecturers at the University of Southern Denmark [Universitetspædagogikum], University of Southern Denmark, Odense, Denmark

2013-2014: Career Development Programme for Younger Researchers, University of Southern Denmark, Odense, Denmark

2014: Research Management Course, Copenhagen Business School, Copenhagen, Denmark

## **Employment - clinically**

2004-2005: Intern, Department of Orthopaedics, Funen Hospital, Svendborg, Denmark

2005: Intern, Department of Medicine, Funen Hospital, Svendborg, Denmark

2005-2006: Intern, General Practitioners Bak and Helmer Hansen, Odense, Denmark

2006: Resident, Department of Ophthalmology, Odense University Hospital, Odense, Denmark

2009-2010: Resident, Department of Ophthalmology, Odense University Hospital, Odense, Denmark

2010-2011: Resident, Department of Ophthalmology, Vejle Hospital, Vejle, Denmark

2011-2013: Resident, Department of Ophthalmology, Odense University Hospital, Odense, Denmark

2013: Senior resident, Practicing ophthalmologist Rune Rask, Odense, Denmark.

2013-2014: Senior resident, Department of Ophthalmology, Odense University Hospital, Odense, Denmark

2014-2015: Staff specialist, Department of Ophthalmology, Odense University Hospital, Odense, Denmark

2015-ongoing: Consultant, Department of Ophthalmology, Odense University Hospital, Odense, Denmark

## Employment – academically

2006-2009: PhD Student. Faculty of Health Science, University of Southern Denmark, Odense, Denmark, and Department of Ophthalmology, Odense University Hospital, Odense, Denmark

2010-2012: Post Doctoral Fellow. Department of Ophthalmology, Odense University Hospital, Odense, Denmark

2012-2015: Associate professor. Faculty of Health Science, University of Southern Denmark, Odense, Denmark

2013-ongoing: Head of Research. Research Unit of Ophthalmology, Odense University Hospital, Odense, Denmark

2015-ongoing: Clinical professor. Faculty of Health Science, University of Southern Denmark, Odense, Denmark

## Counsels and collaborations

2012-ongoing: Danish Diabetes Academy. Principal Investigator in WP9: Microvascular Complications: Retinopathy, Nephropathy and Neuropathy.

2013-ongoing: Council of Institute of Clinical Research, University of Southern Denmark. Council member

2013-ongoing: EUROCONDOR. National principal investigator. Leader of WP2: Effectiveness. Member of Scientific and Steering Committee.

2013-ongoing: EVICR.net. Head of Site. Principal Investigator

2013-ongoing: European Eye Epidemiology (E3) Consortium. Member of Executive Committee

2014-ongoing: Support group for Head of Institute at Institute of Clinical Research, University of Southern Denmark. Member

2014-ongoing: [Diabase: Landsdækkende klinisk kvalitetsdatabase for screening af diabetisk retinopati og maculopati]. Representative of the Region of Southern Denmark

## Theses

2010: PhD Thesis: Mortality and long-term complications in type 1 diabetes.

2011: Doctoral Thesis: Eye complications and markers of morbidity and mortality in long-term type 1 diabetes.

## Publications

### **Pharmacological blocking of microfibrillar-associated protein 4 reduces retinal neoangiogenesis and vascular leakage**

Schlosser, A., Pilecki, B., Allen, C., Benest, A. V., Lynch, A. P., Hua, J., Ved, N., Blackley, Z., Andersen, T. L., Hennig, D., Graversen, J. H., Möller, S., Skallerup, S., Ormhøj, M., Lange, C., Agostini, H. T., Grauslund, J., Heegaard, S., Dacheva, I. & Koss, M. & 10 others, Hu, W., Iglesias, B., Lawrence, M. S., Beck, H. C., Steffensen, L. B., Laursen, N. S., Andersen, G. R., Holmskov, U., Bates, D. O. & Sorensen, G. L., 5. Mar 2025, In: *Molecular Therapy*. 33, 3, p. 1048-1072

### **Grading of diabetic retinopathy using a pre-segmenting deep learning classification model: Validation of an automated algorithm**

Similié, D. E., Andersen, J. K. H., Dinesen, S., Savarimuthu, T. R. & Grauslund, J., Mar 2025, In: *Acta Ophthalmologica*. 103, 2, p. 215-221

### **Impact of the Valsalva manoeuvre on the choroid: A systematic review with meta-analyses**

Arnold-Vangsted, A., Boberg-Ans, L. C., Cehofski, L. J., van Dijk, E. H. C., Grauslund, J., Hansen, M. S., Kiilgaard, H. C., Klefter, O. N., Krogh Nielsen, M., Sevik, M. O. & Subhi, Y., Mar 2025, In: *Acta Ophthalmologica*. 103, 2, p. 127-135

### **Is tobacco consumption a risk factor for central serous chorioretinopathy? A systematic review and meta-analysis**

Fakhri-Din, Z., Arnold-Vangsted, A., Boberg-Ans, L. C., Anguita, R., Desideri, L. F., van Dijk, E. H. C., Grauslund, J., Klefter, O. N., Yanik, Ö. & Subhi, Y., Mar 2025, In: *Acta Ophthalmologica*. 103, 2, p. 136-145

### **Increased retinal thickness in sarcoidosis patients with ocular system involvement visualized with optical coherence tomography: a cross-sectional study**

Byg, K.-E., Ellingsen, T. J., Wied, J., Peiris, M. D., Lowater, S. J., Sejbæk, T. & Grauslund, J., 27. Feb 2025, In: *Rheumatology International*. 45, 3, 8 p., 66.

### **Diabetisk retinopati**

Grauslund, J., Andersen, N., Andresen, J., Bek, T., Brandt, S., Hajari, J. N., Knudsen, S. T., Schmidt Laugesen, C., Lind, M., Slot Nielsen, M., Schielke, K. & Subhi, Y., 20. Jan 2025, In: Ugeskrift for Læger. 187, 2, V04240246.

### **The impact of neovascular age-related macular degeneration on driving from a patient perspective**

Sommer Thinggaard, B., Subhi, Y., Grauslund, J. & Stokholm, L., 3. Jan 2025, (E-pub ahead of print) In: Acta Ophthalmologica.

### **Subfoveal choroidal thickness in pregnancy: A systematic review with meta-analyses**

Larsen, M. P., Iqbal, H., Grauslund, J., Klefter, O. N., Krogh Nielsen, M., Petersen, L., Yanik, Ö. & Subhi, Y., 2025, (E-pub ahead of print) In: Acta Ophthalmologica.

### **Once-weekly semaglutide doubles the five-year risk of nonarteritic anterior ischemic optic neuropathy in a Danish cohort of 424,152 persons with type 2 diabetes**

Grauslund, J., Taha, A. A., Molander, L. D., Kawasaki, R., Möller, S., Højlund, K. & Stokholm, L., 18. Dec 2024, In: International Journal of Retina and Vitreous. 10, 8 p., 97.

### **Opportunities and Challenges of Chatbots in Ophthalmology: A Narrative Review**

Sabaner, M. C., Anguita, R., Antaki, F., Balas, M., Boberg-Ans, L. C., Ferro Desideri, L., Grauslund, J., Hansen, M. S., Klefter, O. N., Potapenko, I., Rasmussen, M. L. R. & Subhi, Y., Dec 2024, In: Journal of Personalized Medicine. 14, 12, 25 p., 1165.

### **Risk of post-injection endophthalmitis peaks within the first three injections of anti-vascular endothelial growth factor therapy: A nationwide registry-based study**

Thinggaard, B. S., Pedersen, F., Kawasaki, R., Wied, J., Subhi, Y., Grauslund, J. & Stokholm, L., Dec 2024, In: Acta Ophthalmologica. 102, 8, p. 953-962

### **The I-OPTA Questionnaire: A National Assessment of Patients with Neovascular Age-Related Macular Degeneration**

Thinggaard, B. S., Hansen, K., Dinesen, F., Pedersen, M. K., Morsø, L., Subhi, Y., Grauslund, J. & Stokholm, L., Dec 2024, In: Ophthalmology and Therapy. 13, 12, p. 3035-3046

### **The role of phacoemulsification surgery in the incidence rate of rhegmatogenous retinal detachment**

Nielsen, B. R., Alberti, M., Høglid, M. L., Bek, T., Thinggaard, B. S., Grauslund, J., Christensen, U. & la Cour, M., Dec 2024, In: Acta Ophthalmologica. 102, 8, p. 931-941

### **Efficacy of intravitreal faricimab therapy for polypoidal choroidal vasculopathy: A systematic review and meta-analysis**

Arnold-Vangsted, A., Schou, M. G., Balaratnasingam, C., Cehofski, L. J., Chhablani, J., van Dijk, E. H. C., Eriksen, N. S., Grauslund, J., Hajari, J. N., Sabaner, M. C., Schneider, M. & Subhi, Y., 16. Nov 2024, (E-pub ahead of print) In: Acta Ophthalmologica.

### **Diagnostic accuracy of OCT angiography for macular neovascularization in central serous chorioretinopathy: A systematic review and meta-analysis**

Kiilgaard, H. C., Nissen, A. H. K., Balaratnasingam, C., Borrelli, E., Breazzano, M. P., van Dijk, E. H. C., Sevik, M. O., Grauslund, J. & Subhi, Y., Nov 2024, In: Acta Ophthalmologica. 102, 7, p. 749-758

### **Presence and development of diabetic retinopathy in 16 999 patients with type 1 diabetes in the Danish Registry of Diabetic Retinopathy**

Stokholm, L., Pedersen, F. N., Andersen, N., Andresen, J., Bek, T., Dinesen, S., Hajari, J., Heegaard, S., Højlund, K., Laugesen, C. S., Kawasaki, R., Möller, S., Schielke, K. C., Subhi, Y., Thykjær, A. S. & Grauslund, J., Nov 2024, In: Acta Ophthalmologica. 102, 7, p. 805-812

### **Factors affecting quality of life in patients with neovascular age-related macular degeneration**

Thinggaard, B. S., Subhi, Y., Abdullah Ismail, F., Pedersen, M. K., Morsø, L., Grauslund, J. & Stokholm, L., 3. Oct 2024, In: AJO International. 1, 3, 6 p., 100066.

**Current research and future strategies for the management of vision-threatening diabetic retinopathy**

Li, H., Jia, W., Vujosevic, S., Sabanayagam, C., Grauslund, J., Sivaprasad, S. & Wong, T. Y., 1. Sept 2024, In: Asia-Pacific Journal of Ophthalmology. 13, 5, 8 p., 100109.

**Association of continuous subcutaneous insulin therapy and diabetic retinopathy in type 1 diabetes: A national cohort study**

Thykjær, A. S., Rosengaard, L., Andersen, N., Andresen, J., Hajari, J., Heegaard, S., Højlund, K., Kawasaki, R., Laugesen, C. S., Möller, S., Pedersen, F. N., Schielke, K., Stokholm, L. M. & Grauslund, J., Sept 2024, In: Journal of Diabetes and Its Complications. 38, 9, 8 p., 108830.

**Diabetic retinopathy as an independent marker of cardiovascular disease in type 1 diabetes: Results from a nationwide longitudinal matched case-cohort study**

Mabala, D. S., Stokholm, L., Andersen, N., Andresen, J., Bek, T., Heegaard, S., Hajari, J., Højlund, K., Kawasaki, R., Laugesen, C. S., Möller, S., Pedersen, F. N., Schielke, K. C., Thykjær, A. S. & Grauslund, J., Sept 2024, In: Acta Ophthalmologica. 102, 6, p. 635-642

**Individualised screening for diabetic retinopathy with proliferative retinopathy and macular oedema as separate end points**

Bek, T., Andersen, N., Andresen, J., Grauslund, J., Hajari, J., Schmidt Laugesen, C., Schielke, K. & Petersen, L., Sept 2024, In: Acta Ophthalmologica. 102, 6, p. 627-634

**Lack of stereopsis does not reduce surgical performance but prolongs the learning curve of vitreoretinal surgery**

Vergmann, A. S., Olsen, F. E., Nielsen, A. B., Vestergaard, A. H., Thomsen, A. S. S., Konge, L. & Grauslund, J., Sept 2024, In: Acta Ophthalmologica. 102, 6, p. 697-702

**Real-World Efficacy of Intravitreal Faricimab for Diabetic Macular Edema: A Systematic Review**

Nasimi, S., Nasimi, N., Grauslund, J., Vergmann, A. S. & Subhi, Y., Sept 2024, In: Journal of Personalized Medicine. 14, 9, 11 p., 913.

**The Impact of the COVID-19 Pandemic on Tele-ophthalmology-Based Retinal Screening**

Rasmussen, M. L. R., Cehofski, L. J., Davies, J., Faber, C., Falk, M. K., Grauslund, J., Hansen, M. S., Keane, P. A., Natarajan, S., Peto, T., Subhi, Y., Wykoff, C. C. & Muttuvelu, D. V., Sept 2024, In: Ophthalmology and Therapy. 13, 9, p. 2467-2480

**Ophthalmological screening guidelines for individuals with Osteogenesis Imperfecta: a scoping review**

Moussa, S., Rocci, J., Hamdy, R., Grauslund, J., Lyster, M. L. & Tsimicalis, A., 30. Aug 2024, In: Orphanet Journal of Rare Diseases. 19, 8 p., 316.

**Real-world efficacy of intravitreal faricimab for neovascular age-related macular degeneration: a systematic review**

Nasimi, N., Nasimi, S., Grauslund, J., Vergmann, A. S. & Subhi, Y., 12. Jul 2024, In: International Journal of Retina and Vitreous. 10, 11 p., 48.

**Risk of Diabetic Retinopathy According to Subtype of Type 2 Diabetes**

Pedersen, F. N., Stokholm, L., Andersen, N., Andresen, J., Bek, T., Hajari, J., Heegaard, S., Højlund, K., Kawasaki, R., Laugesen, C. S., Möller, S., Schielke, K., Nielsen, J. S., Stidsen, J. V., Thomsen, R. W., Thinggaard, B. & Grauslund, J., 1. Jun 2024, In: Diabetes. 73, 6, p. 977-982

**Retinal main vessel calibers and systemic markers for long-term development of proliferative diabetic retinopathy**

Dinesen, S., Stokholm, L., Subhi, Y., Henriksen, J. E., Savarimuthu, T. R., Peto, T. & Grauslund, J., Jun 2024, In: Acta Ophthalmologica. 102, 4, p. 448-454

**Retinal vein occlusion as an age-dependent marker of incident dementia in a long-term Danish national cohort**

Clausen, A. R., Stokholm, L., Frederiksen, K. H., Möller, S., Blaabjerg, M., Pedersen, F. N. & Grauslund, J., Jun 2024, In: Acta Ophthalmologica. 102, 4, p. 455-461

**VEGF Inhibition Associates With Decreased Risk of Mortality in Patients With Neovascular Age-related Macular Degeneration**

Thinggaard, B. S., Frederiksen, K., Subhi, Y., Möller, S., Sørensen, T. L., Kawasaki, R., Grauslund, J. & Stokholm, L., 1. May 2024, In: *Ophthalmology Science*. 4, 3, 7 p., 100446.

**Risk of 2-year progression from no diabetic retinopathy to proliferative diabetic retinopathy in accordance with glycaemic regulation in 145 527 persons with diabetes in a national cohort**

Grauslund, J., Stokholm, L., Andersen, N., Andresen, J., Bek, T., Knudsen, S. T. & Subhi, Y., May 2024, In: *Acta Ophthalmologica*. 102, 3, p. e407-e409

**Topical non-steroidal anti-inflammatory drugs for central serous chorioretinopathy: A systematic review and meta-analysis**

Larsson, J. M. E., Boberg-Ans, L. C., Vangsted, A., Dijk, E. H. C. V., Grauslund, J., Hajari, J. N., Klefter, O. N., Schneider, M. & Subhi, Y., May 2024, In: *Acta Ophthalmologica*. 102, 3, p. 274-284

**Generative artificial intelligence for increasing accessibility of patient information videos in ophthalmology**

Eriksen, N. S., Al-Bakri, M., Boysen, K. B., Klefter, O. N., Schmidt, D. C., Reinwaldt, K., Grauslund, J., Holm, L. M. & Subhi, Y., 28. Apr 2024, In: *AJO International*. 1, 1, 100016.

**Present and future screening programs for diabetic retinopathy: a narrative review**

Abou Taha, A., Dinesen, S., Vergmann, A. S. & Grauslund, J., 3. Feb 2024, In: *International Journal of Retina and Vitreous*. 10, 12 p., 14.

**Retinal vascular structure independently predicts the initial treatment response in neovascular age-related macular degeneration**

Leth-Møller Christensen, K., Kristjansen, D. B., Vergmann, A. S., Torp, T. L., Peto, T. & Grauslund, J., Feb 2024, In: *Acta Ophthalmologica*. 102, 1, p. 116-121

**A comprehensive strategy of diabetic retinopathy screening in a public health system: Identifying and overcoming obstacles for implementation**

Melo, G. B., Malerbi, F. K., de Medeiros, J. N. & Grauslund, J., 1. Jan 2024, In: *Diabetes Epidemiology and Management*. 13, 5 p., 100192.

**Clinical Trials and Future Outlooks of the Port Delivery System with Ranibizumab: A Narrative Review**

Lowater, S. J., Grauslund, J., Subhi, Y. & Vergmann, A. S., Jan 2024, In: *Ophthalmology and Therapy*. 13, 1, p. 51-69

**Exudative Progression of Treatment-Naïve Non-Exudative Macular Neovascularization in Age-Related Macular Degeneration: A Systematic Review with Meta-Analyses**

Nissen, A. H. K., Kiilgaard, H. C., van Dijk, E. H. C., Hajari, J. N., Huemer, J., Iovino, C., Schneider, M., Sørensen, T. L., Grauslund, J. & Subhi, Y., Jan 2024, In: *American Journal of Ophthalmology*. 257, p. 46-56

**Central subfield thickness of diabetic macular edema: Correlation with the aqueous humor proteome**

Cehofski, L. J., Kojima, K., Kusada, N., Hansen, M. S., Muttuvelu, D. V., Bakker, N., Klaassen, I., Grauslund, J., Vorum, H. & Honoré, B., 2024, In: *Molecular Vision*. 30, p. 17-35

**Doctor, when can I order new glasses?" The refractive impact of subretinal fluid**

Schou, M. G., Sommer Thinggaard, B., Hajari, J. N., Grauslund, J. & Subhi, Y., 2024, (Accepted/In press) In: *AJO International*.

**Frail inner limiting membrane maculopathy suggested to describe a new retinal Alport-like condition with two variants in three generations of females**

Petersen, S. D., Belmouhand, M., Hertz, J. M., Fagerberg, C., Brasch-Andersen, C., Grauslund, J., Munier, F. L. & Larsen, M., 2024, In: *Ophthalmic Genetics*. 45, 3, p. 281-288

**Structural and metabolic retinal changes associated with mild cognitive impairment in type 2 diabetes**

Pedersen, F. N., Stokholm, L., Lois, N., Yang, D., Cheung, C. Y., Biessels, G. J., Exalto, L., Simó, R., Peto, T., Pouwer, F. & Grauslund, J., 1. Dec 2023, In: *Diabetes*. 72, 12, p. 1853-1863

**Predictive value of retinal oximetry, optical coherence tomography angiography and microperimetry in patients with treatment-naïve branch retinal vein occlusion**

Frederiksen, K. H., Pedersen, F. N., Vergmann, A. S., Yang, D., Laugesen, C. S., Vestergaard, J. P., Sørensen, T. L., Cheung, C. Y., Kawasaki, R., Peto, T. & Grauslund, J., Dec 2023, In: *International Journal of Retina and Vitreous*. 9, 1, 5 p., 38.

**Prevalence of geographic atrophy in Nordic countries and number of patients potentially eligible for intravitreal complement inhibitor treatment: A systematic review with meta-analyses and forecasting study**

Vangsted, A., Thinggaard, B. S., Nissen, A. H. K., Hajari, J. N., Klefter, O. N., Krogh Nielsen, M., Sørensen, T. L., Grauslund, J. & Subhi, Y., Dec 2023, In: *Acta Ophthalmologica*. 101, 8, p. 857-868

**Patient perspectives and barriers in the treatment of neovascular age-related macular degeneration in Denmark: a qualitative study**

Thinggaard, B. S., Pedersen, M., Sorensen, T. L., Grauslund, J. & Stokholm, L., 28. Nov 2023, In: *BMJ Open*. 13, 11, 22 p., e077175.

**Kunstig intelligens ved øjensygdomme**

Grauslund, J. & Vorum, H., 27. Nov 2023, In: *Ugeskrift for Læger*. 185, 23, V03230169.

**Bariatric surgery in individuals with type 2 diabetes is not associated with short or long-term risk of diabetic retinopathy progression: results from a nationwide cohort study**

Thykjær, A. S., Rosengaard, L., Andersen, N., Andresen, J., Bek, T., Hajari, J., Heegaard, S., Højlund, K., Kawasaki, R., Laugesen, C. S., Möller, S., Pedersen, F. N., Schielke, K. C., Stokholm, L. & Grauslund, J., Nov 2023, In: *Acta Diabetologica*. 60, 11, p. 1531-1539

**Inter-grader reliability in the Danish screening programme for diabetic retinopathy**

Thykjaer, A. S., Andresen, J., Andersen, N., Bek, T., Heegaard, S., Hajari, J., Schmidt Laugesen, C., Möller, S., Pedersen, F. N., Kawasaki, R., Højlund, K., Rubin, K. H., Stokholm, L., Peto, T. & Grauslund, J., Nov 2023, In: *Acta Ophthalmologica*. 101, 7, p. 783-788

**Proteome Analysis of Bevacizumab Intervention in Experimental Central Retinal Vein Occlusion**

Cehofski, L. J., Kruse, A., Mæng, M. O., Kjaergaard, B., Grauslund, J., Honoré, B. & Vorum, H., Nov 2023, In: *Journal of Personalized Medicine*. 13, 11, 11 p., 1580.

**Efficacy, Durability and Safety of Faricimab in Neovascular Age-Related Macular Degeneration and Diabetic Macular Oedema: Lessons Learned from Registration Trials**

Larsen, H. O., Grauslund, J. & Vergmann, A. S., Oct 2023, In: *Ophthalmology and Therapy*. 12, 5, p. 2253-2264

**Longitudinal bidirectional associations between diabetic retinopathy and diagnosed depression: Results from a Danish nationwide registry-based cohort study**

Pedersen, F. N., Stokholm, L., Andersen, N., Andresen, J., Bek, T., Hajari, J. N., Heegaard, S., Højlund, K., Kawasaki, R., Möller, S., Laugesen, C. S., Schielke, K. C., Thykjær, A. S., Peto, T., Pouwer, F. & Grauslund, J., Oct 2023, In: *Journal of Diabetes and Its Complications*. 37, 10, 7 p., 108589.

**Real-World Persistence and Treatment Interval in Patients with Diabetic Macular Edema Treated with Anti-Vascular Endothelial Growth Factors in the USA**

Bakri, S. J., Delyfer, M.-N., Grauslund, J., Andersen, S. & Karcher, H., Oct 2023, In: *Ophthalmology and Therapy*. 12, 5, p. 2465-2477

**Intravitreal Vascular Endothelial Growth Factor Inhibitor Therapy in Denmark and 5-Year Projections**

Thinggaard, B. S., Pedersen, F., Grauslund, J. & Stokholm, L., 22. Sept 2023, In: *JAMA Network Open*. 6, 9, 3 p., e2335148.

**Association between oral metformin use and the risk of age-related macular degeneration: A systematic review with meta-analysis**

Holtz, J. K., Thinggaard, B. S., Grauslund, J. & Subhi, Y., Sept 2023, In: *Acta Ophthalmologica*. 101, 6, p. 595-605

**Cardiovascular morbidity and all-cause mortality in patients with retinal vein occlusion: a Danish nationwide cohort study**

Frederiksen, K. H., Stokholm, L., Frederiksen, P. H., Jørgensen, C. M., Möller, S., Kawasaki, R., Peto, T. & Grauslund, J., Sept 2023, In: *British Journal of Ophthalmology*. 107, 9, p. 1324-1330

**Five-Year Incidence of Proliferative Diabetic Retinopathy and Associated Risk Factors in a Nationwide Cohort of 201 945 Danish Patients with Diabetes**

Dinesen, S., Stokholm, L., Subhi, Y., Peto, T., Savarimuthu, T. R., Andersen, N., Andresen, J., Bek, T., Hajari, J., Heegaard, S., Højlund, K., Laugesen, C. S., Kawasaki, R., Möller, S., Schielke, K., Thykjær, A. S., Pedersen, F. & Grauslund, J., Sept 2023, In: *Ophthalmology Science*. 3, 3, 9 p., 100291.

**Retinal artery occlusion does not act as an independent marker of upcoming dementia: results from a Danish 20-year cohort study**

Clausen, A. R., Stokholm, L., Blaabjerg, M., Frederiksen, K. H., Pedersen, F. N. & Grauslund, J., 29. Aug 2023, In: *International Journal of Retina and Vitreous*. 9, 6 p., 50.

**Retinal microvascular markers in type 2 diabetes subphenotypes and latent autoimmune diabetes of adults**

Pedersen, F. N., Stidsen, J. V., Rasmussen, M. N., Nielsen, H.-B., Henriksen, J. E., Olesen, T. B., Olsen, M. H., Nielsen, J. S., Højlund, K., Blindbaek, S. L. & Grauslund, J., Aug 2023, In: *Acta Ophthalmologica*. 101, 5, p. 560-567

**Review and comparison of retinal vessel calibre and geometry software and their application to diabetes, cardiovascular disease, and dementia**

Brazionis, L., Quinn, N., Dabbah, S., Ryan, C. D., Møller, D. M., Richardson, H., Keech, A. C., Januszewski, A. S., Grauslund, J., Rasmussen, M. L., Peto, T. & Jenkins, A. J., Aug 2023, In: *Graefe's Archive for Clinical and Experimental Ophthalmology*. 261, 8, p. 2117-2133

**VEGF Inhibition in Retinal Vein Occlusion Does Not Associate with Cardiovascular Morbidity or Mortality**

Frederiksen, K. H., Stokholm, L., Möller, S., Thinggaard, B. S., Kawasaki, R., Peto, T. & Grauslund, J., Aug 2023, In: *Ophthalmology Retina*. 7, 8, p. 652-660

**Performance of a Support Vector Machine Learning Tool for Diagnosing Diabetic Retinopathy in Clinical Practice**

Nissen, T. P. H., Nørgaard, T. L., Schielke, K. C., Vestergaard, P., Nikontovic, A., Dawidowicz, M., Grauslund, J., Vorum, H. & Aasbjerg, K., Jul 2023, In: *Journal of Personalized Medicine*. 13, 7, 13 p., 1128.

**Bidirectional 5-year risks of diabetic retinopathy, glaucoma and/or ocular hypertension: Results from a national screening programme**

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Laursen, J. V. N., Hoffmann, S. S., Green, A., Nybo, M., Sjølie, A. K. & Grauslund, J., Jan 2013, In: Current Eye Research. 38, 1, p. 174-179 6 p.

**Is Smoking a Risk Factor for Proliferative Diabetic Retinopathy in Type 1 Diabetes?**

Gaedt Thorlund, M., Borg Madsen, M., Green, A., Sjølie, A. K. & Grauslund, J., 2013, In: Ophthalmologica. 230, 1, p. 50-54

**Long-term associations between serum lipids and panretinal photocoagulation in type 1 diabetes**

Jørgensen, J. S., Mejnert Jørgensen, T., Green, A., Sjølie, A. K. & Grauslund, J., 2013, In: Current Eye Research. 38, 8, p. 889-893

**Global prevalence and major risk factors of diabetic retinopathy**

Yau, J. W. Y., Rogers, S. L., Kawasaki, R., Lamoureux, E. L., Kowalski, J. W., Bek, T., Chen, S.-J., Dekker, J. M., Fletcher, A., Grauslund, J., Haffner, S., Hamman, R. F., Ikram, M. K., Kayama, T., Klein, B. E. K., Klein, R., Krishnaiah, S., Mayurasakorn, K., O'Hare, J. P. & Orchard, T. J. & 17 others, Porta, M., Rema, M., Roy, M. S., Sharma, T., Shaw, J., Taylor, H., Tielsch, J. M., Varma, R., Wang, J. J., Wang, N., West, S., Xu, L., Yasuda, M., Zhang, X., Mitchell, P., Wong, T. Y. & Meta-Analysis for Eye Disease (META-EYE) Study Group, 2012, In: Diabetes Care. 35, 3, p. 556-64 9 p.

**Proliferative retinopathy predicts nephropathy: a 25-year follow-up study of type 1 diabetic patients**

Karlberg, C., Falk, C., Green, A., Sjølie, A. K. & Grauslund, J., 2012, In: Acta Diabetologica. 49, 4, p. 263-8 6 p.

**Cataract surgery in a population-based cohort of patients with type 1 diabetes: long-term incidence and risk factors**

Grauslund, J., Green, A. & Sjølie, A. K., 2011, In: Acta Ophthalmologica. 89, 1, p. 25-29

**Eye Complications and Markers of Morbidity and Mortality in Long-term Type 1 Diabetes**

Grauslund, J., 2011, In: Acta Ophthalmologica. 89, Issue thesis1, p. 1-19 19 p.

**Long-term mortality and retinopathy in type 1 diabetes**

Grauslund, J., 1. May 2010, In: Acta Ophthalmologica. 88, Thesis1, p. 1-14 13 p.

**Does osteoprotegerin relate to micro- and macrovascular complications in long-term type 1 diabetes?**

Grauslund, J., Rasmussen, L. M., Green, A. & Sjølie, A. K., 8. Mar 2010, In: Scandinavian Journal of Clinical & Laboratory Investigation. 70, 3, p. 188-193

**Plasma osteoprotegerin concentrations in peripheral sensory neuropathy in Type 1 and Type 2 diabetic patients**

Nybo, M., Poulsen, M. K., Grauslund, J., Henriksen, J. E. & Rasmussen, L. M., 1. Mar 2010, In: Diabetic Medicine. 27, 3, p. 289-94 6 p.

### **Retinal Vascular Fractals and Microvascular and Macrovascular Complications in Type 1 Diabetes**

Grauslund, J., Green, A., Kawasaki, R., Hodgson, L., Sjølie, A. K. & Wong, T. Y., 20. Feb 2010, In: Ophthalmology. 117, 7, p. 1400-1405

### **N-terminal pro brain natriuretic peptide reflects long-term complications in type 1 diabetes**

Grauslund, J., Nybo, M., Green, A. & Sjølie, A. K., 2010, In: Scandinavian Journal of Clinical & Laboratory Investigation. 70, 6, p. 392-8 7 p.

### **Risk factors for mortality and ischemic heart disease in patients with long-term type 1 diabetes**

Grauslund, J., Mejnert Jørgensen, T., Nybo, M., Green, A., Rasmussen, L. M. & Sjølie, A. K., 2010, In: Journal of Diabetes and its Complications. 24, 4, p. 223-228 6 p.

### **Blindness in a 25-Year Follow-up of a Population-Based Cohort of Danish Type 1 Diabetic Patients**

Grauslund, J., Green, A. & Sjølie, A. K., 8. Sept 2009, In: Ophthalmology. 116, 11, p. 2170-2174

### **Prevalence and 25 year incidence of proliferative retinopathy among Danish type 1 diabetic patients**

Grauslund, J., Green, A. & Sjølie, A. K., 1. Sept 2009, In: Diabetologia. 52, 9, p. 1829-35 6 p.

### **Retinal vessel calibre and micro- and macrovascular complications in type 1 diabetes**

Grauslund, J., Hodgson, L., Kawasaki, R., Green, A., Sjølie, A. & Wong, T., 18. Jul 2009, In: Diabetologia. 52, 10, p. 2213-2217

### **Major diabetes-related vascular events do not improve glycaemic control in a population-based cohort of type 1 diabetic individuals**

Mejnert Jørgensen, T., Grauslund, J., Sjølie, A. K., Green, A., Rasmussen, L. M. & Nybo, M., 6. Jul 2009, In: Scandinavian Journal of Clinical & Laboratory Investigation. 69, 7, p. 748-751 3 p.

### **Proliferative retinopathy and proteinuria predict mortality rate in type 1 diabetic patients from Fyn County, Denmark**

Grauslund, J., Green, A. & Sjølie, A. K., 1. Apr 2008, In: Diabetologia. 51, 4, p. 583-588 5 p.

### **Øjenkomplikationer hos fynske type 1 diabetikere gennem 35 år**

Grauslund, J., 2008, In: Optikerens. 5, p. 48-49 2 p.

### **Type 1 diabetes (ungdomsdiabetes): En alvorlig risiko for synet.**

Grauslund, J., 2008, In: Værn om Synet. 3, p. 4-8 5 p.

### **Mikrokimærisme - en mulig årsag til autoimmune sygdomme?**

Grauslund, J. & Wang, P., 2004, In: Ugeskrift for Læger. 166, p. 2882-85

## **Participation in scientific meetings**

Participation in scientific meetings (with own presentations indicated):

2006:

XXXVII Nordic Congress of Ophthalmology, Copenhagen, Denmark

2007:

The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Fort Lauderdale, Florida, USA, Poster presentation

17th Annual Meeting of the European Association for the Study of Diabetes Eye Complications (EASDec) Study Group, Rome, Italy, Paper

ARVO Summer Eye Research Conference, Warwick, Rhode Island, USA, Poster and paper

2008:

ARVO Annual Meeting, Fort Lauderdale, Florida, USA, Paper

18th Annual Meeting of the EASDec Study Group, Amsterdam, Holland, Paper

XXXVIII Nordic Congress of Ophthalmology, Tromsø, Norway, Poster

2009:

ARVO Annual Meeting, Fort Lauderdale, Florida, USA, Poster

Annual Meeting of the EASDec Study Group, Oxford, UK, Paper

Congress of the European Society of Ophthalmology (SOE), Amsterdam, Holland, Lecture

2010:

ARVO Annual Meeting, Fort Lauderdale, Florida, USA, Poster

20th Annual Meeting of the EASDec Study Group, Paris, France, Paper

XXXIX Nordic Congress of Ophthalmology, Reykjavik, Iceland, Lecture

2011:

ARVO Annual Meeting, Fort Lauderdale, Florida, USA, Poster

21st Annual Meeting of the EASDec Study Group, Gdansk, Poland, Lecture

2012:

ARVO Annual Meeting, Fort Lauderdale, Florida, USA, Poster

22nd Annual Meeting of the EASDec Study Group, Dublin, Ireland, Poster

European School for Advanced Studies in Ophthalmology (ESASO), Prague, Czech Republic

2013:

23rd Annual Meeting of the EASDec Study Group, Barcelona, Spain, Poster

Congress of the SOE, Copenhagen, Denmark

Medical Retina Academy, Copenhagen, Denmark, Speaker

2014:

ESASO, Istanbul, Turkey

2015:

ARVO Annual Meeting, Denver, Colorado, USA

25th Annual Meeting of the EASDec Study Group, Turin, Italy

Medical Retina Academy, Copenhagen, Denmark, Speaker

2016:

ARVO Annual Meeting, Seattle, Washington, USA, Poster

Nordic Congress of Ophthalmology, Aarhus, Denmark, Moderator, Speaker

26th Annual Meeting of the EASDec Study Group, Manchester, UK, Speaker

Medical Retina Academy, Copenhagen, Denmark, Moderator, Speaker

EURETINA 2016, Copenhagen, Denmark

Annual Day of the Danish Diabetes Academy, Nyborg, Denmark

2017:

ARVO Annual Meeting, Baltimore, Maryland, USA

27th Annual Meeting of the EASDec Study Group, Budapest, Hungary, Moderator

2018

Fourth International Workshop on Ocular Oximetry, Aarhus, Denmark, Moderator

Annual Educational Course of the Danish Society of Ophthalmology, Nyborg, Denmark, Faculty Lead, Moderator, Speaker

Translational Diabetes Research meeting, Odense, Denmark, Faculty, Moderator, Speaker

ARVO Annual Meeting, Honolulu, Hawaii, USA

28th Annual Meeting of the EASDec Study Group, Belfast, UK, Moderator, Speaker

Steno DK Symposium on Long-term Diabetic Complications, Rungsted, Denmark, Keynote speaker

Annual Day of the Danish Diabetes Academy, Nyborg, Denmark

14th Asian Conference on Computer Vision (ACCV), First Annual Workshop on Artificial Intelligence for Retinal Image Analysis, Perth, Australia

2019

[Borgerinddragelse i forskning 2.0], Odense, Denmark, Speaker

Steno Diabetes Center Odense research seminar, Fredericia, Denmark, Poster

ARVO Annual Meeting, Vancouver, Canada

29th Annual Meeting of the EASDec Study Group, Amsterdam, Holland, Moderator, Speaker, Poster

Danish Diabetes Academy symposium on co-morbidities in diabetes, Nyborg, Denmark, Organizer, Moderator, Speaker

EURETINA 2019, Paris, France

Individualised Screening for Diabetic Retinopathy Symposium, Liverpool, UK, National representative

## **Invited speaker**

2006:

Meeting for ophthalmic specialists from Fyn County. Odense, Denmark

2007:

MSD Spring meeting. Copenhagen, Denmark

MSD Spring meeting. Aarhus, Denmark

Meeting for ophthalmic specialists from the Region of Southern Denmark. Kolding, Denmark

2008:

La Rétinopathie Diabétique - Ce qui a changé. Paris, France

Eye Day 2008, Danish Eye Health Society, Odense, Denmark

2009:

Research Seminar: Long-term diabetes-related complications in a population-based cohort of Danish type 1 diabetic patients. Melbourne, Australia

Eye Day 2009, Danish Eye Health Society, Vejle, Denmark

Eye Day 2009, Danish Eye Health Society, Odense, Denmark

Congress of the SOE: Retinal vascular analysis and retinopathy in type 1 diabetes, Amsterdam, Holland

The Danish Diabetes Association, Odense, Denmark

2010:

Nordic Congress of Ophthalmology: Diabetic Retinopathy – Course, Reykjavik, Iceland

The Danish Diabetes Association, Odense, Denmark

2011:

The Danish Diabetes Association, Odense, Denmark

2012:

The Danish Diabetes Association, Odense, Denmark

2013:

The Danish Diabetes Association, Odense, Denmark

Novartis Ophthalmics Days. Middelfart, Denmark

Meeting for ophthalmic specialists from Fyn County. Odense, Denmark

2014:

The Danish Diabetes Association, Odense, Denmark

Meeting for ophthalmic specialists from Fyn County. Odense, Denmark

2015:

Danish Ophthalmological Society – January meeting. Glostrup, Denmark

Society for Danish Eye Nurses – Annual congress. Vingsted, Denmark

The Danish Diabetes Association, Odense, Denmark

2016:

Nordic Congress of Ophthalmology, Aarhus, Denmark

Annual Meeting of the EASDec Study Group, Manchester, UK

2018:

Danish Cardiovascular Research Academy Summer Meeting, Sandbjerg, Denmark

Danish Ophthalmological Society – Science and General Assembly, Middelfart, Denmark

Steno DK Symposium on Long-term Diabetic Complications, Rungsted, Denmark

## **Reviewer and Editor**

### *Journals:*

Acta Ophthalmologica

American Journal of Ophthalmology

BMC Ophthalmology

Canadian Medical Association Journal

CollegiumAntropologicum

Current Eye Research

Diabetes & Metabolism

Diabetes Care

Diabetes, Obesity and Metabolism

Diabetes Research and Clinical Practice

Diabetologia

Experimental Eye Research

Expert Review of Endocrinology & Metabolism

Graefe's Archive for Clinical and Experimental Ophthalmology

International Ophthalmology

Investigative Ophthalmology & Visual Science

Journal of Clinical Endocrinology and Metabolism

Journal of Diabetes and Its Complications

Journal of Ophthalmology

Journal of Zhejiang University SCIENCE B

Microcirculation

Mitochondrion

Ophthalmic Epidemiology

Ophthalmologica

The Lancet

The Lancet Diabetes & Endocrinology

The Scandinavian Journal of Clinical & Laboratory Investigation

Translational Vision Science & Technology

*Associations:*

Austrian Science Fund, Austria  
Department of Clinical Research, University of Southern Denmark, Denmark  
Danish Diabetes Academy, Denmark  
Diabetes UK, UK  
HSC Public Health Agency, UK  
Juvenile Diabetes Research Foundation (JDRF), USA  
National Medical Research Council, Singapore  
THEVELUX FOUNDATIONS, Denmark  
VELUXStiftung, Switzerland

*Board member:*

Fight for Sight Denmark  
Odense University Hospital PhD Assessment Committee (chairman)  
Steno Diabetes Center Odense PhD Assessment Committee (vice chair)

*Editor:*

Acta Ophthalmologica  
Journal of Ophthalmology

## Teaching

2000-2003: Histology and embryology, 158 hours, lectures and skills training, University of Southern Denmark, Odense, Denmark

2002-2003: Molecular biomedicine C, 92 hours, lectures and skills training, University of Southern Denmark, Odense, Denmark

2007-ongoing: Pre graduate training in ophthalmology (K11 and K14), lectures, case-based teaching and skills training, University of Southern Denmark, Odense, Denmark

2009-ongoing: A-course: Research training in Ophthalmology, Register-based research and How to write a paper, lecturer, Aalborg University Hospital, Aalborg, Denmark

2010-2014: A-course: Medical Retina, Diabetic retinopathy, Odense University Hospital, Odense, Denmark

2015-ongoing: A-course: Medical Retina, appointed as Lead Faculty for 2015-2019

## Examiner

Evaluator of 11 domestic and international PhD theses and 4 Professorship positions.

## Supervisor

Principal supervisor for 11 PhD students, 11 Pre-graduate students and 34 Master students.

Co-supervisor for 3 PhD students, 1 Pre-graduate student and 5 Master students.