

# Ph.d.-forsvar – Nick Duelund

Fredag d. 27. september, 2024 kl. 09:00 vil Nick Duelund fra Institut for Sundhed & Natur, Ilisimatusarfik og Det Sundhedsvidenskabelige Fakultet, København Universitet, forsvare sin ph.d.-afhandling "Vision Screening of Greenlandic Children Evaluating Efficacy, Coverage, and Future Directions".

## Thesis summary

The thesis investigates the state of vision screening among children in Greenland, evaluating its coverage, effectiveness, and the development of new methodologies. Vision impairments in childhood can have significant developmental impacts, making early detection crucial. This research is based on three scientific studies, each addressing different aspects of vision screening in Greenland.

Paper I: Vision Screening of School children in Greenland 2017-2022: Coverage and Low Vision Prevalence

Paper II: Vision Screening and Refraction of Greenlandic Schoolchildren

Paper III: Visual Profiling and Vision Screening of Preschool Children in Greenland

The thesis highlights significant improvements in vision screening coverage and accuracy in Greenland. Integrating advanced screening tools like autorefraction and stereoacuity tests has proven beneficial. The newly proposed screening method for preschool children shows promise for early detection in remote areas. The research emphasizes the need for updated guidelines and better resource allocation to enhance visual health outcomes for Greenlandic children. The findings contribute valuable insights to pediatric ophthalmology and public health policy, particularly in geographically challenging regions.

## Bedømmelsesudvalg:

- Professor Stig Andersen, Ilisimatusarfik, Grønlands Universitet og Aalborg Universitet
- Klinisk Lektor Lisbeth Jelveh Sandfeld, Københavns Universitet
- Professor Marita Andersson Grønlund, Örebro Universitet, Sverige

## Vejledere:

- Hovedvejleder: Marit Eika Jørgensen | Adjungeret professor, Center for Sundhedsforskning, Ilisimatusarfik, & Overlæge, Steno Diabetes Center Grønland
- Professor Steffen Heegaard, DMSc, Department of Ophthalmology, University of Copenhagen
- Professor Henrik Vorum, Department of Ophthalmology, Aalborg University Hospital
- Hanne Jensen, DMSc, Department of Ophthalmology, Rigshospitalet - Glostrup, University of Copenhagen. (nu pensioneret)
- Ivan Nisted, lektor, optometrist, Department of Clinical Medicine, Aarhus University, Dania Erhvervsakademi

Vær opmærksom på, at dørene låses under forsvarsprocessen og at det her ikke vil være muligt at gå ind eller ud af auditoriet.

Forsvaret kan tilgås online via [Teams link](#):

Kopier af afhandlingen kan findes på Ilisimatusarfiks bibliotek.

