GlaukomaiCare

Bring glaucoma care to homes and communities

ABSTRACT

Glaucoma, a leading cause of blindness in Europe, progresses showing few symptoms. The diagnosis is complex and resource intensive. All leads to delays in treatment and even irreversible vision loss.

GlaukomAI is a disruptive AI-based innovation that can diagnose glaucoma with over 90% accuracy. It analyses the fundus scanner's retina images used by medical personnel, other eyecare services and even photos taken by portable devices including smartphones. Developed by the Danish SME Sens Vue together with clinical and technical experts, GlaukomAI is built to speed up glaucoma screening and diagnosis. It enables the collection of images of the person's eye with flexible options, run the AI and get an accurate diagnosis in 2-8 seconds. This has the potential to replace several eye tests during the classic diagnostic process, saving months of waiting time per patient and in turn leading to a timely and accurate intervention.

The present GlaukomaiCare proposal focuses on partnership, collaboration, and real-world testing with a focus on the user experience. We will test, verify and optimize the solution across technical and clinical operations, in two different but relevant environments: primary eyecare for screening, and academic hospitals for diagnostic and research purposes. Development and implementation activities will be aligned towards our goals – higher efficiency and better outcomes for hospitals, ophthalmologists and clinicians, enriched community services, motivated local care providers to deliver care faster, better, and cost saving for private people and healthcare system. We will disseminate the lessons learned with stakeholders in primary, community and private care services through trainings, seminars, newsletters and publication; alongside, the project will support primary care researchers in developing best practices around early-detection strategies and effective disease management model to control glaucoma and other similar. chronical diseases.

KEYWORDS

- Glaucoma
- AI diagnosis
- Early detection
- Affordable care
- Eye care
- Ophthalmology
- GlaukomaiCare

DURATION

24 months

PARTNERS

	Name and Surname of the Principal investigator	Institution, Department, full Affiliations	City, Country
Coordinator (= Partner 1)	Hong de Beer-Song	Sens Vue ApS	Denmark
Partner 2	Francesco Oddone	Fondazione G.B. Bietti per lo studio e la ricerca in oftalmologia ONLUS	Italy
Partner 3	Noemì Lamonja	Teknologi & Produkt udvikling A/S	Denmark
Partner 4	Caroline Jane Magri	Mater Dei Hospital, Ministry for Health & Active Ageing	Malta