

Introducing

SLED

Structured Light Entoptic Device



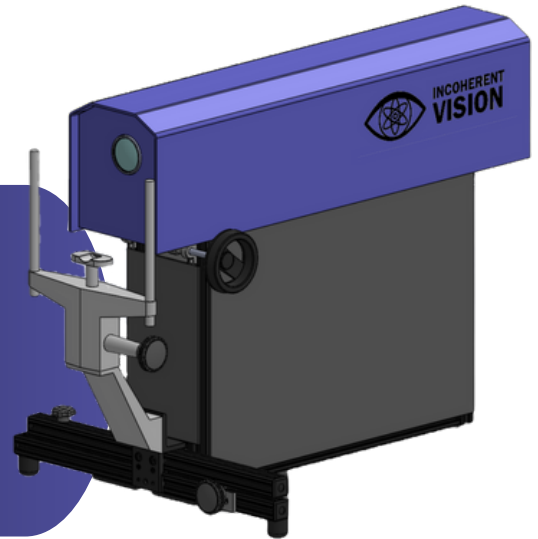
INCOHERENT
VISION

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A NEW SCREENING DEVICE FOR EARLY AMD

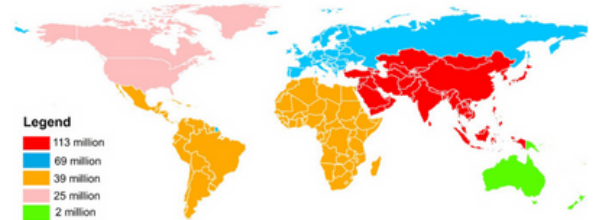
SLED is an optometric device using novel structured light tech to screen for early AMD



Age-related Macular Degeneration (AMD)

is a leading cause for irreversible blindness globally, that progressively affects the patient's vision and well-being if not detected early

- **>200 million patients** with AMD worldwide:
30% people over 60 and 50% over 70 have AMD
- 25% people over 60 have **undiagnosed AMD**



There were NO devices for screening and early diagnosis of AMD, UNTIL NOW!

Y. Deng, et al. Age-related macular degeneration: epidemiology, genetics, pathophysiology, diagnosis, and targeted therapy. Genes & Diseases (2021)

FEATURES



UNIQUE

World's first structured light technology in vision sciences



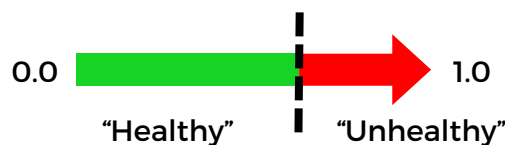
FAST

Test can be completed within 2 mins

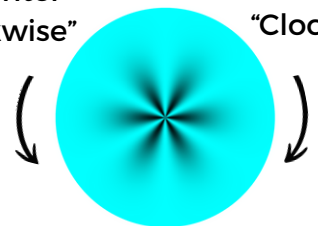
EASY-TO-USE!

Simple user perception task:

- 1 Identify direction of rotation of the entoptic pattern
- 2 SLED outputs a single value indicating retinal health (0 to 1)



"Counter
Clockwise"

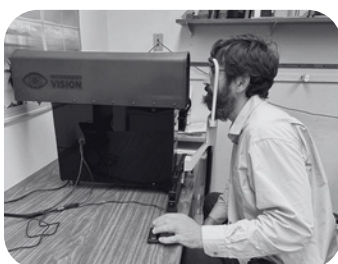


"Clockwise"

What users see:

Rotating entoptic phenomenon due to structured light stimuli

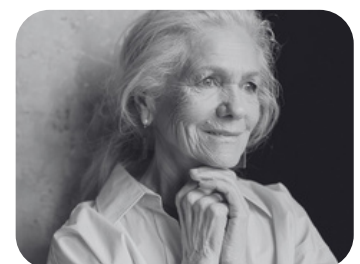
Application of SLED screening and monitoring



1. Screening and monitoring of eye health using SLED



2. Visit doctor for relevant prevention and early treatment



3. Preserve a good vision for a better quality of life