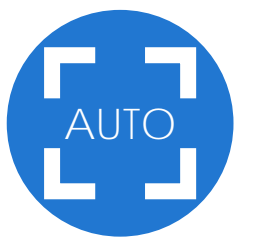# ARTELUS

World's MOST economical and portable OCT
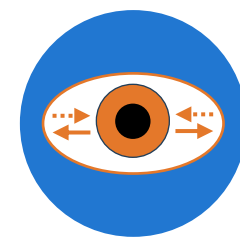
EZZENTIAL OCT

Now **REMOTELY** operable with **ArMAC™**
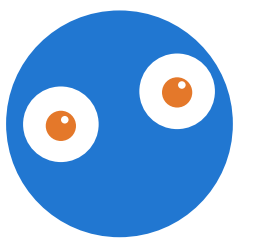
Portable

Auto Focus Auto Capture

Nystagmus / ROP mode

Squint mode

MAKE IN INDIA

Latest updates

EZZEntial ArMAC™ OCT

For remote screening from the convenience of your clinic

Wide field OCT Imaging

Up to 20 mm (~90°) FoV for peripheral imaging of the Retina
and for complete Anterior OCT imaging

EZZEntial SupEYEne™ OCT

Use cases: OT OCT, Bedside OCT, ROP OCT

Filtration Bleb and drainage channels Imaging

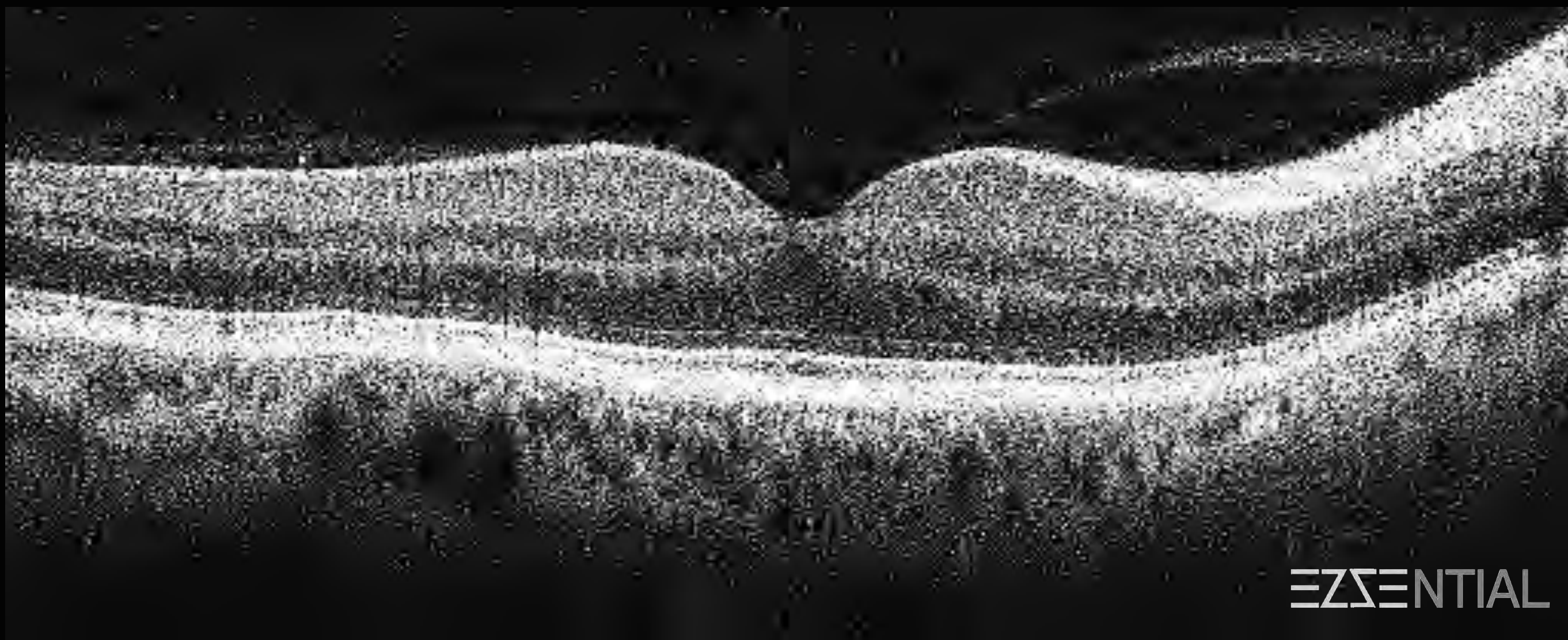For Pre and Post Glaucoma surgeries

OCT-on-PowerBank

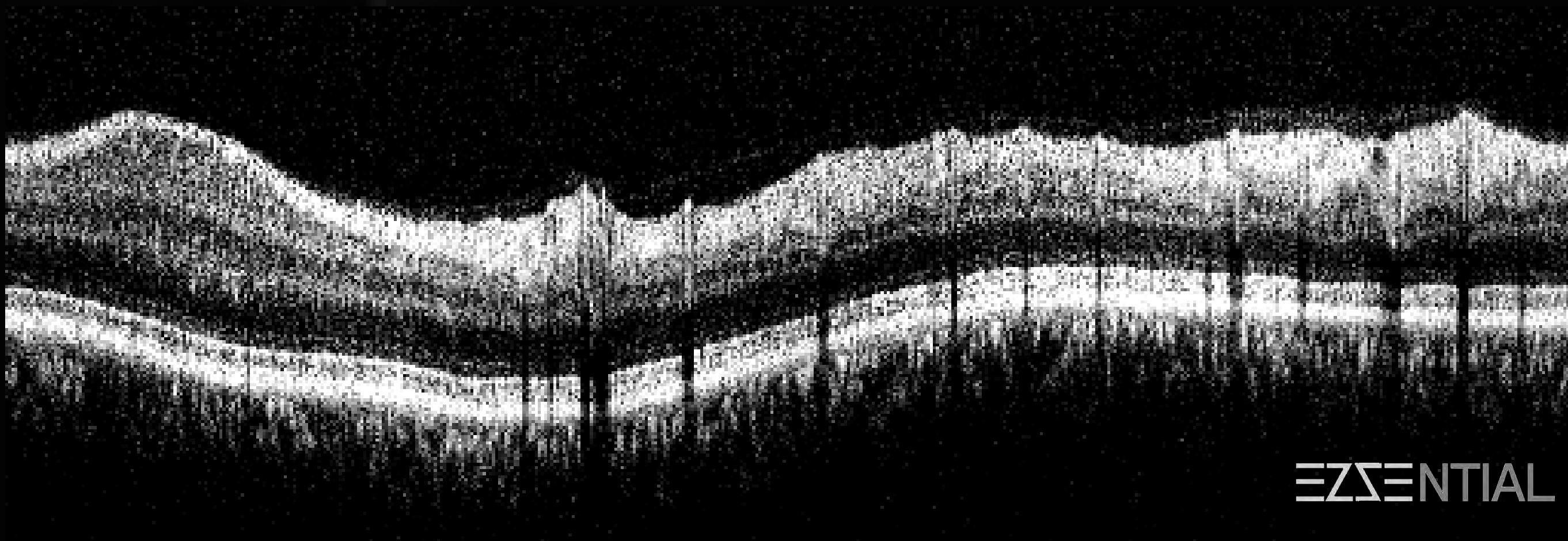The OCT can operate up to 4 hours on the Artelus PowerBank

Posterior Segment

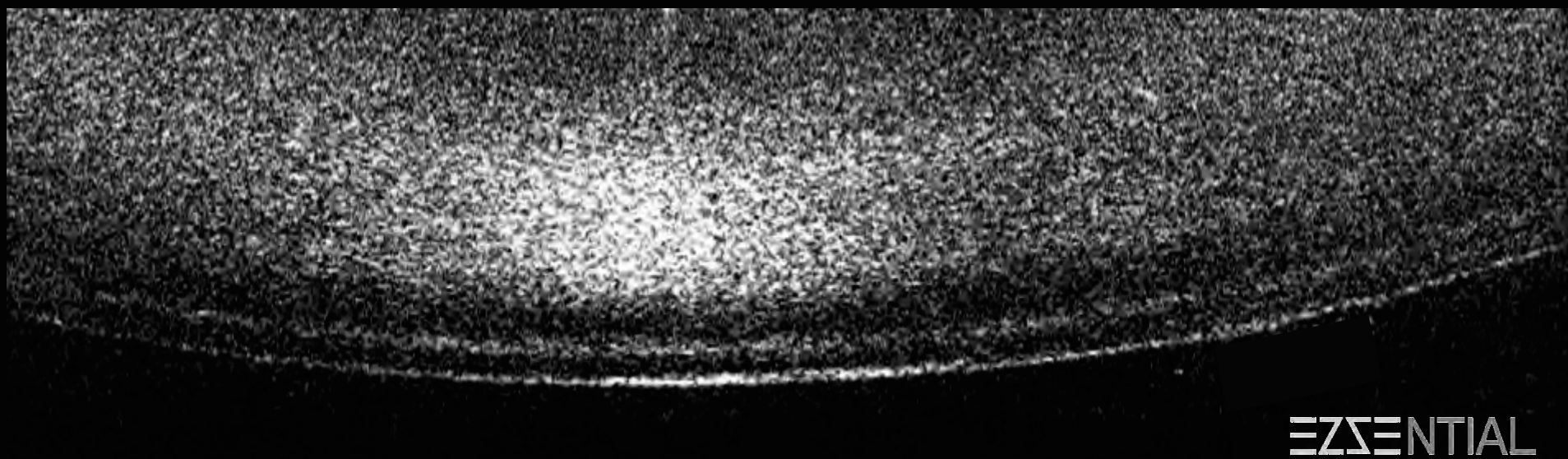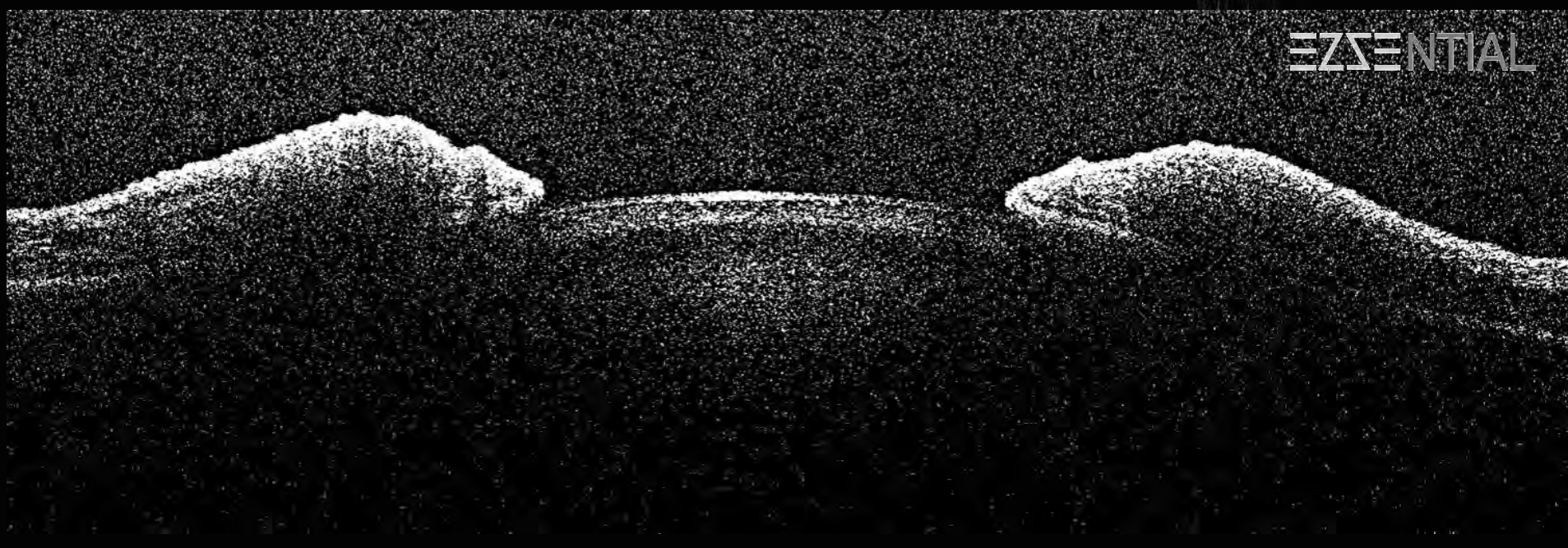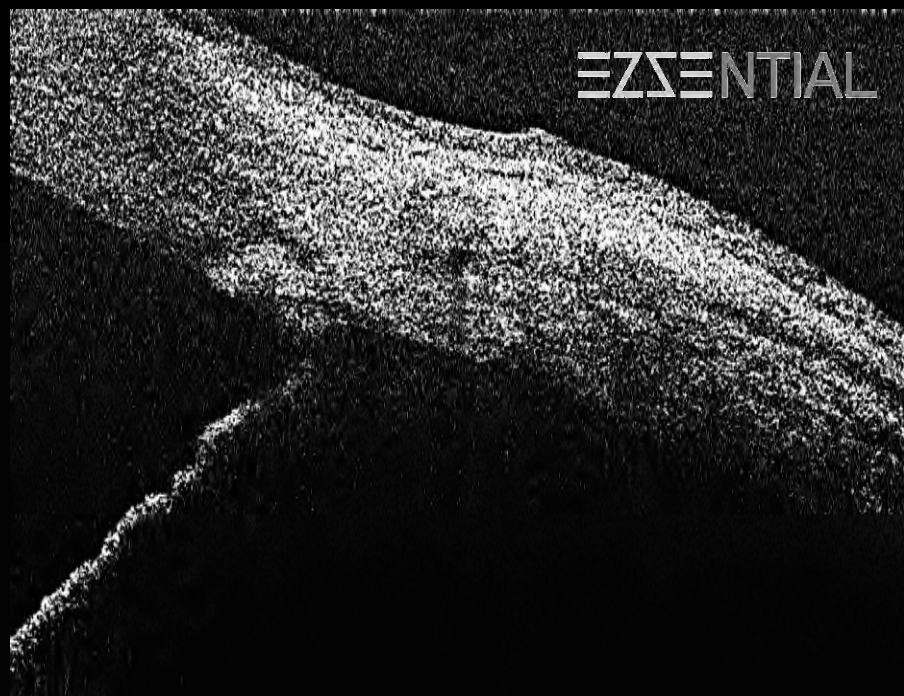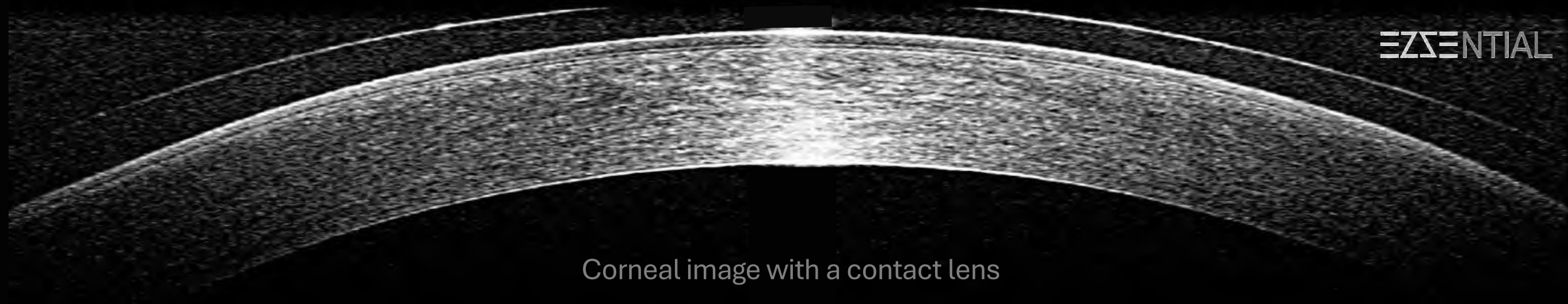Single image FoV: 6 mm
Up to 20 mm (~90°) FoV imaging

Cross scan
Raster scan
Volume scan
Radial scan
Circle scan
Long scan (8mm)

Anterior Segment

Filtering Bleb, Drainage channels, Cornea, AC Angle, Sclera, Conjunctival Stroma, Limbus, Iris, Anterior capsule, Posterior capsule

Corneal image with a contact lens

Real-life images

clicked with Artelus EZZENTIAL OCT
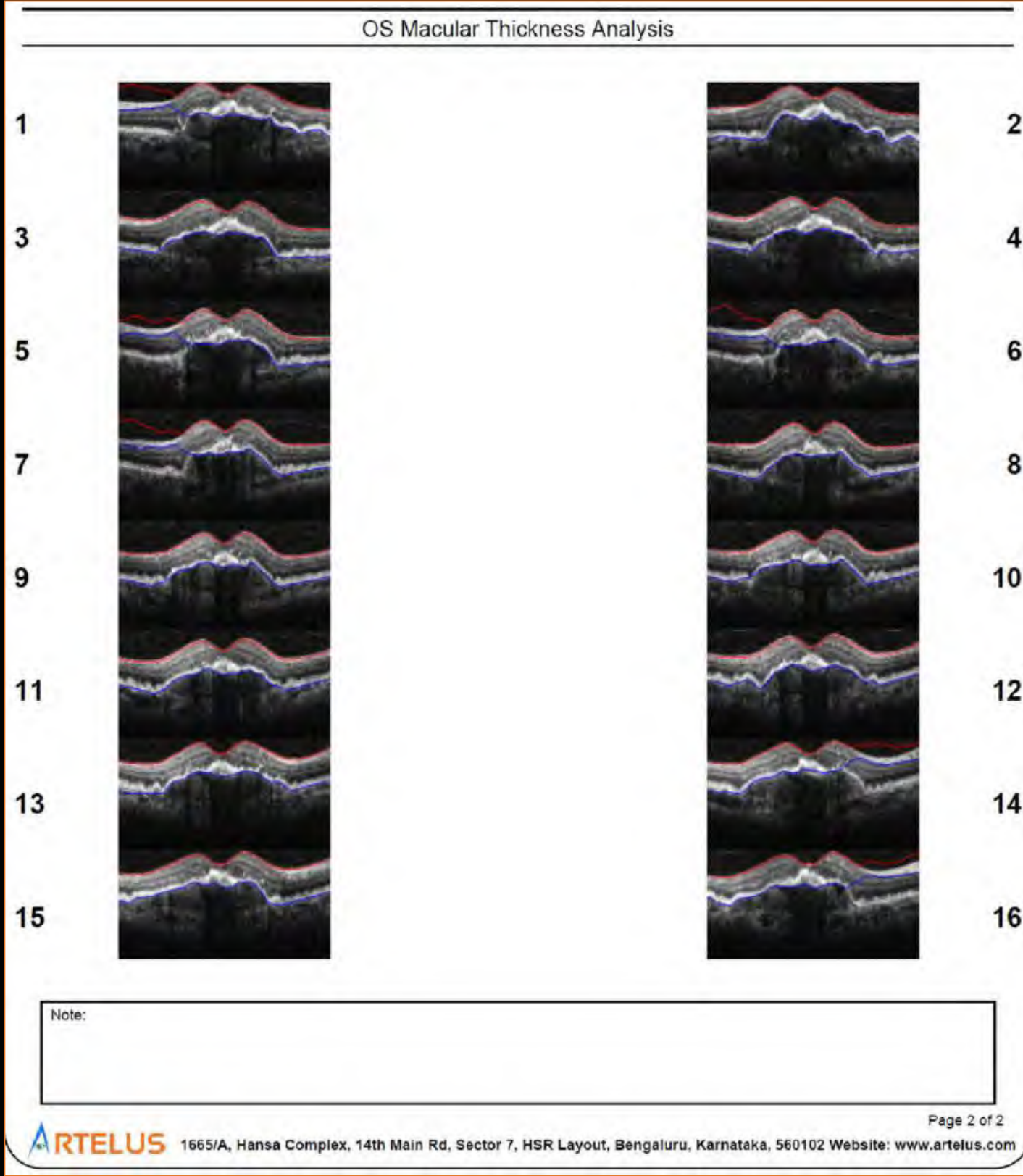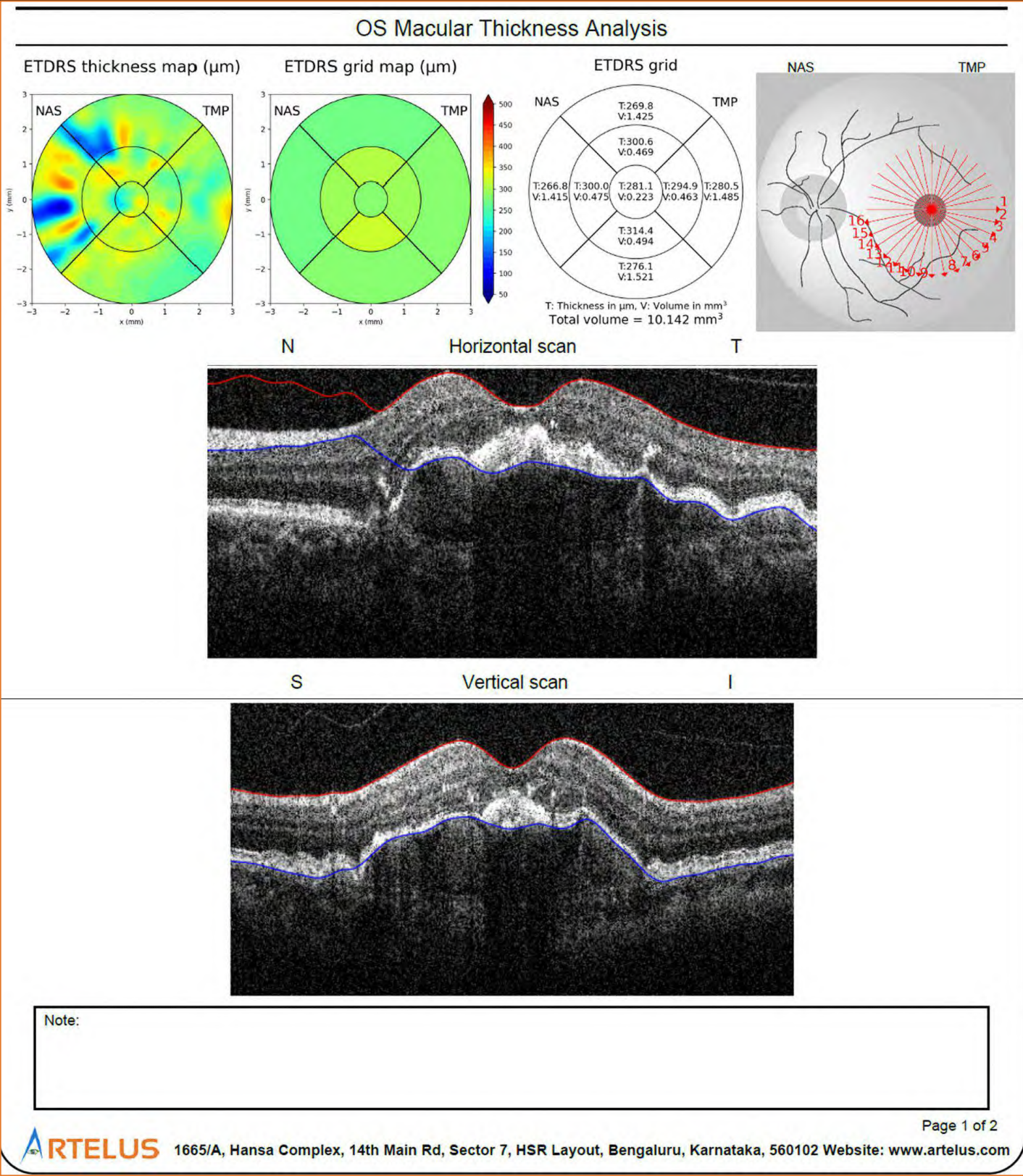
Real-life reports

generated in clinic from images clicked with Artelus EZZENTIAL OCT

Reports currently generated:
Macular Thickness l RNFL Thickness l Cross scan l 5 Line Raster scan l 32 Line Raster (Volume) scan l Long Scan (8 mm)

AI generated report

Can identify and highlight (explainable AI) Drusens, DME, CNV, AMD, CSR, DR and MH

EZZENTIAL
offers
not just great images,
but also,
Freedom!

Licence free software

Reclaim your images
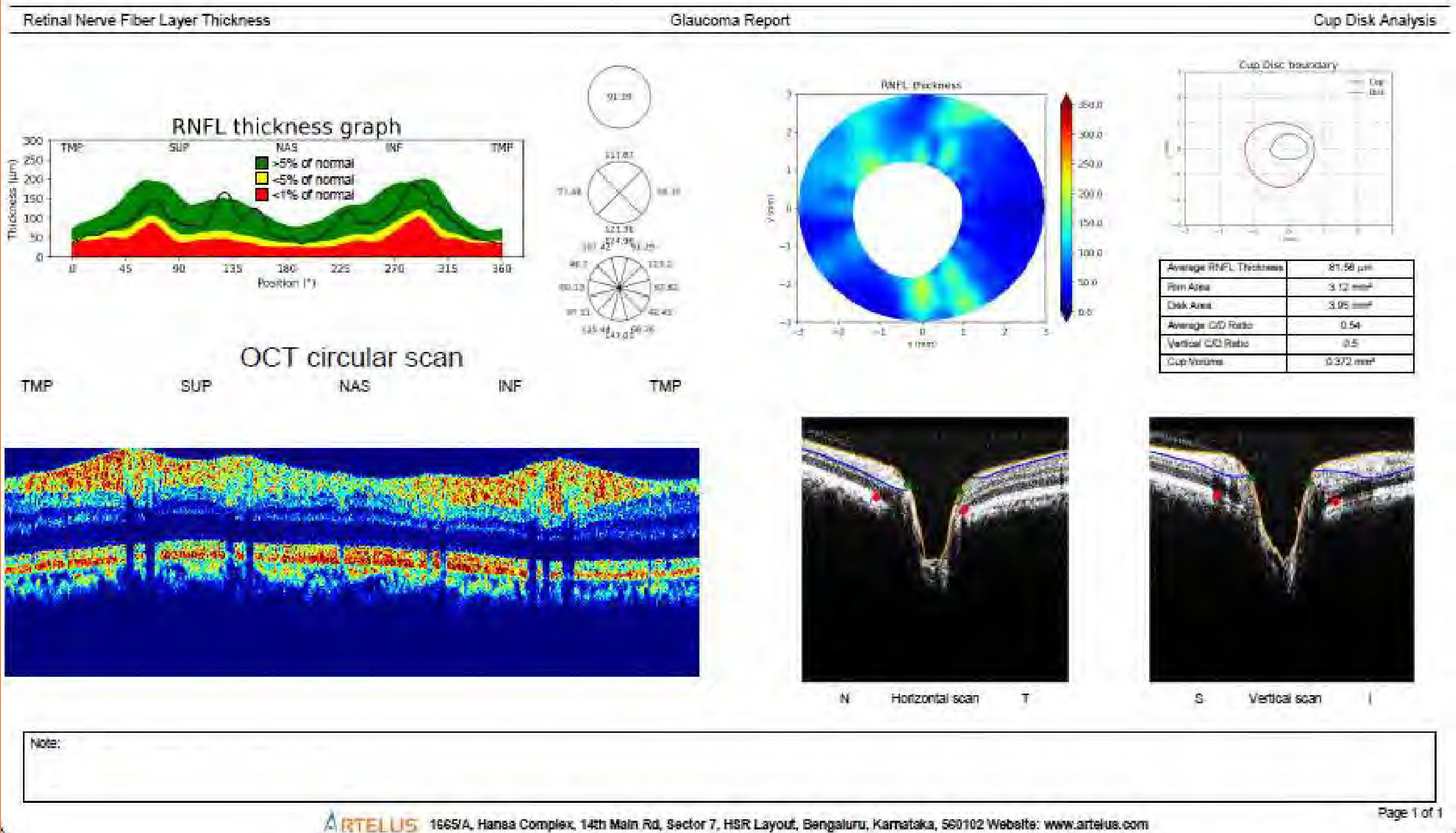Email, print,
copy-paste,
export using external drive or bluetooth...

Free software updates

Capability to integrate
images and reports with EMR

Display images on any screen

Remote screening

EZZEntial ArMAC OCT

excels in imaging
EVEN in patients with

Cataract

Corneal opacities

High Myopes without
dioptre adjustment

Bedridden / Supine

ROP

Nystagmus and other
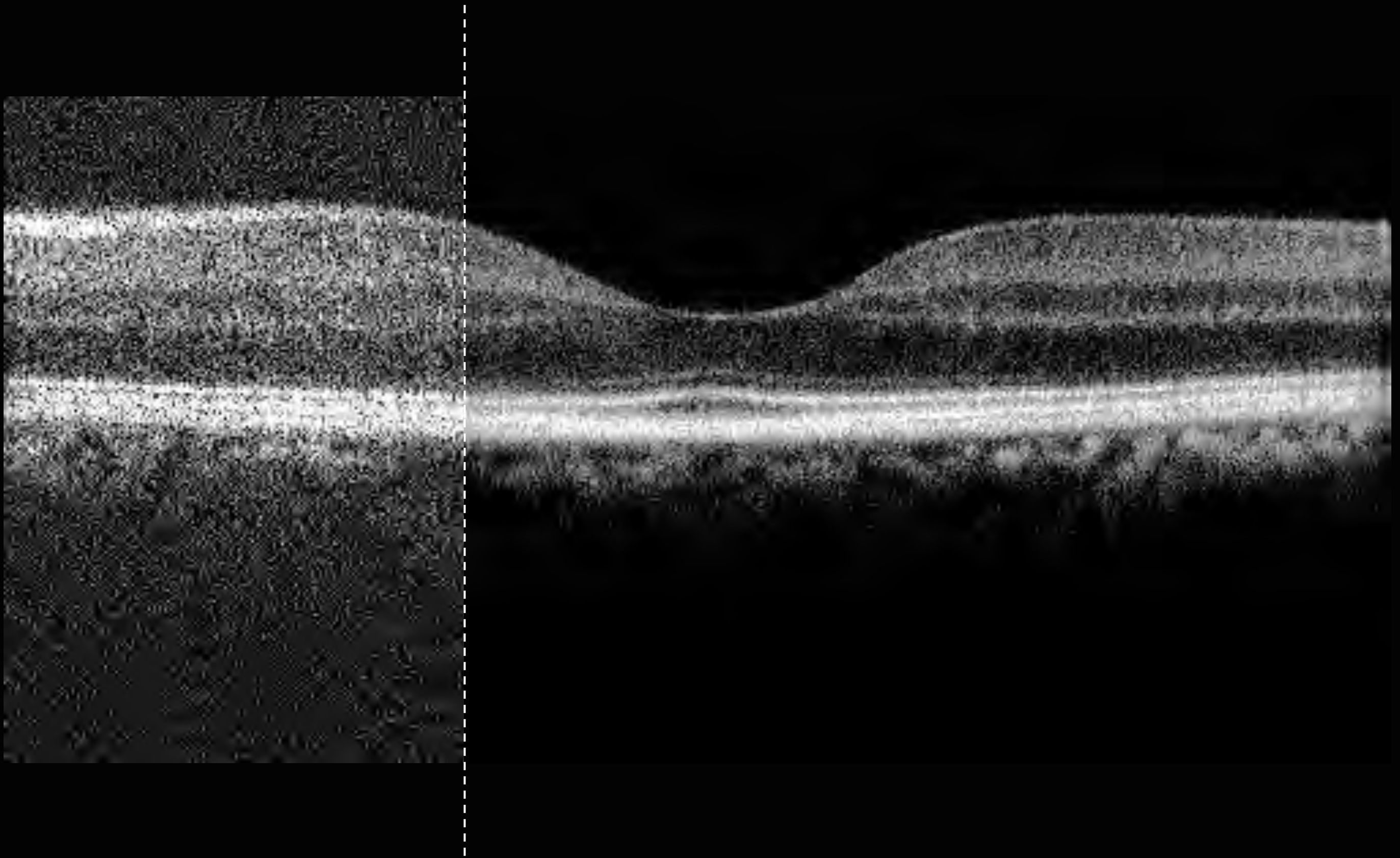eye movements

Squint

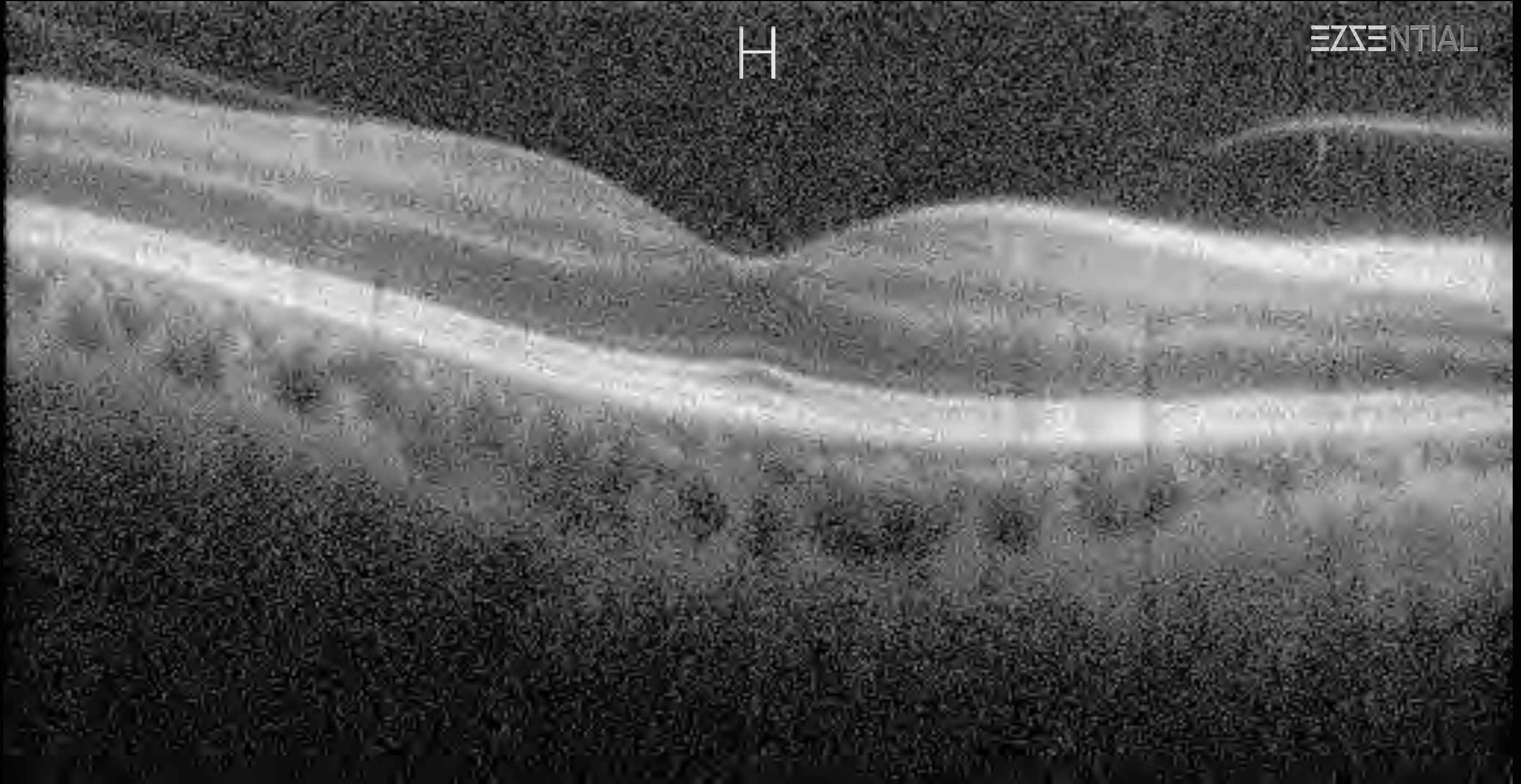Other Fixation issues

Artelus **Luminet** software averages images for
: Reduced noise,
: Sharper distinction between retinal layers, and
: Improves retinal layer segmentation

High Myopia -7.5 Diopters
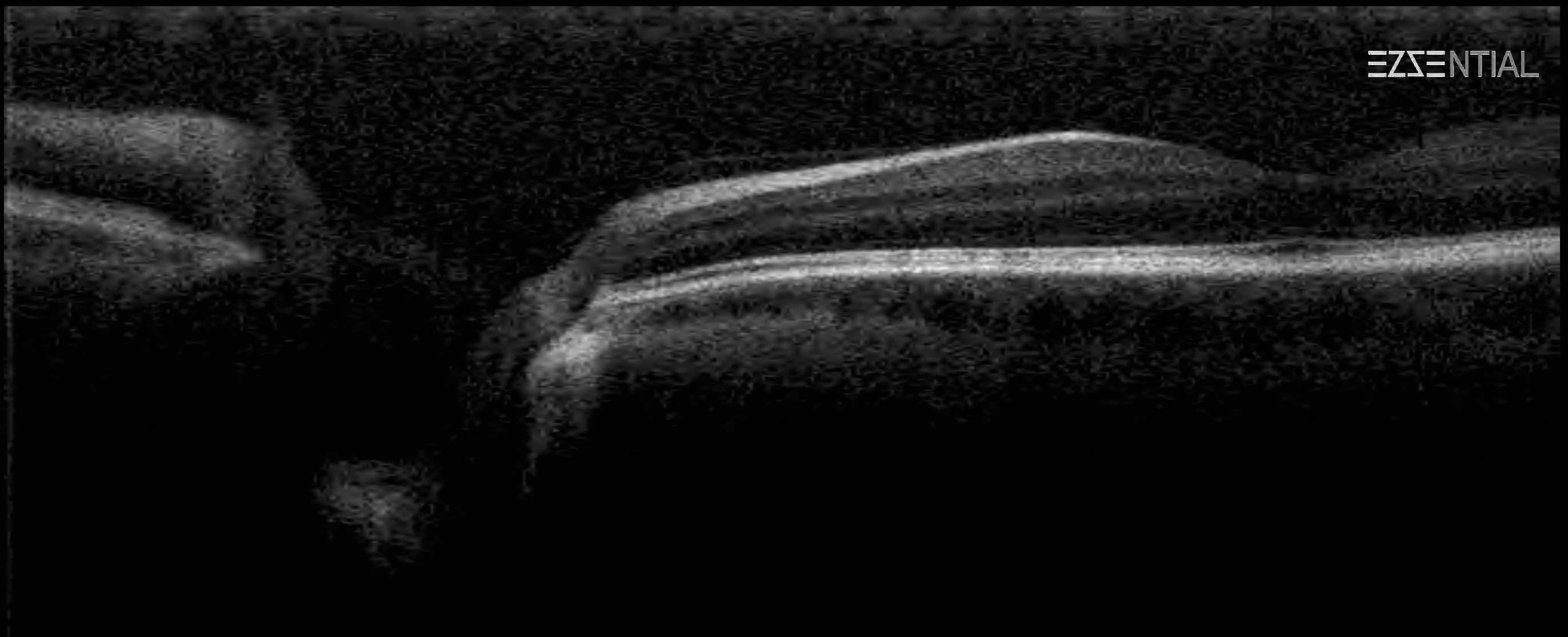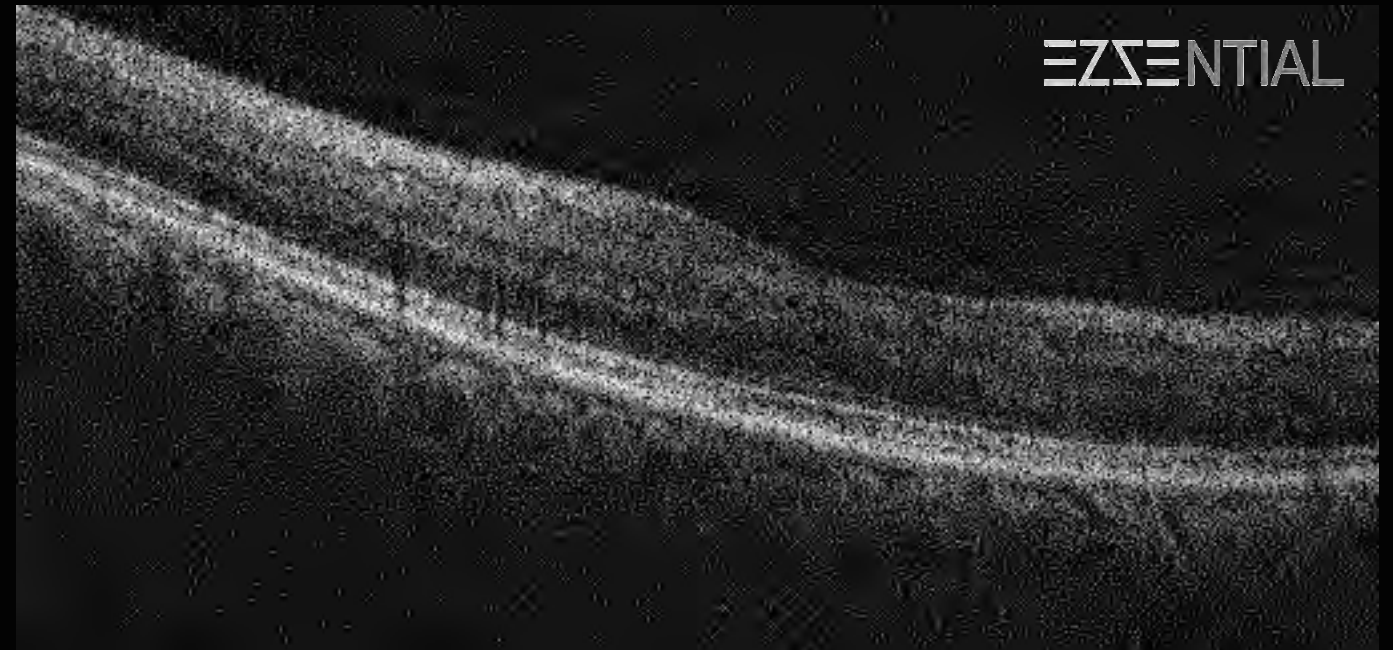clicked with Artelus EZZENTIAL OCT in day light setting on a
non-dilated pupil of a myopic subject (-7.5 D)
Artelus EZZENTIAL OCT can capture images for ± 10D

Cataract
clicked with Artelus EZZENTIAL OCT in in a matured cataract patient

OCT in patients with Squint
The mounting arm of the OCT
scanner can be rotated 180°
around the central axis, allowing
screening even from an angle

Recognized among six Top AI start-ups out of 1,038 firms across the world impacting Healthcare : Startus Insights
Ranked 13th in MSME25 Innovation Index

An ISO 13485:2016

Evaluations and deployment
Among 10 A.I. firms invited for evaluation by the US Centre for Disease Control (US CDC)
Evaluated by the UK National Health Service (NHS)
Evaluated, adjudged the best performing A.I. and deployed in Dubai and Saudi Arabia
Evaluated and deployed by PGI Chandigarh for ICMR and NITI Aayog projects

Recognitions
20 patents
Idea2POC, DCIS and Qualcomm Grantee

Awards
India's StartUp MahaRathi
MEITY IndiaAI Innovation Innovation
DOT 5G Hackathon
K-Tech ELEVATE
NASSCOM EMERGE50 League-of-Ten
NASSCOM (NATC) Award
LVPEI Eye Care Start-up Competition
UNSW Founders: Health 10x, Australia
Qualcomm design in India challenge
Technology Innovation Pioneers (Healthcare) challenge, Abu Dhabi
Digital Innovation Challenge
Healthcare Product Summit (HCPS) Award
CAHOTECH PitchFest

Runners up
PMJAY Start-Up Grand Challenge
Pitch@Palace
The Start Tel Aviv (TLV)

Research
Asia Pacific Tele-Ophthalmology Society APTOS 2023 Pattaya
International Conference on Advanced Technologies & Treatments for Diabetes: ATTD 2022 Barcelona, ATTD 2023 Berlin
American Academy of Ophthalmology: AAO 2016 Chicago, AAO 2017New Orleans, AAO 2018 Chicago
Asia Pacific Academy of Ophthalmology: APAO 2017 Singapore
Emirates Diabetes and Endocrine Congress: EDEC 2018 Dubai

Media
More than 70 media publications featuring Artelus including Forbes, Times of India, The Hindu,
Telegraph UK, Economic Times, The National, CNA Singapore, Arab Health, Analytics India Mag, etc.

www.artelus.com

ARTELUS

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