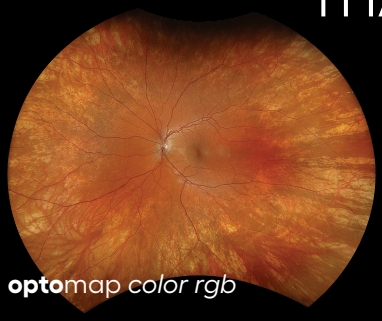
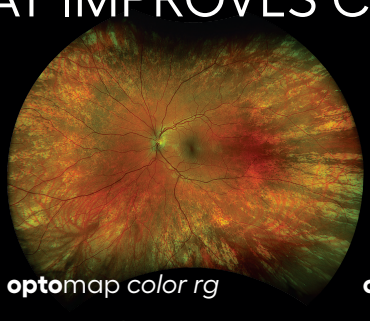
optomap®

MULTIMODALITY UWF IMAGING

THAT IMPROVES CLINICAL PRACTICE



optomap *color rgb*



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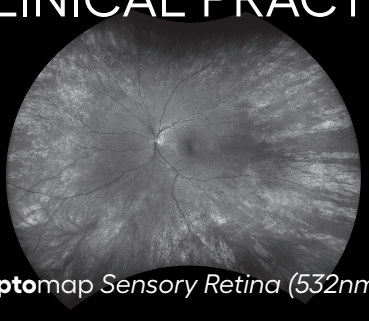
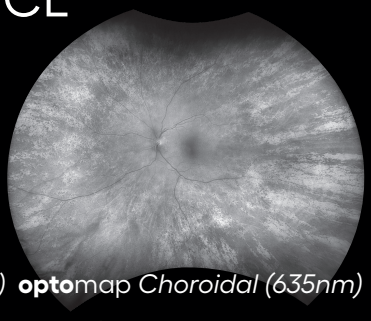
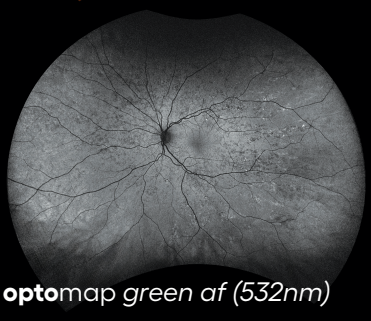


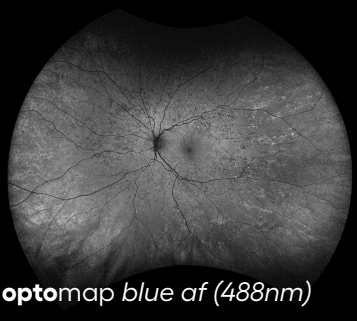
optomap *Sensory Retina (532nm)*



optomap *Choroidal (635nm)*

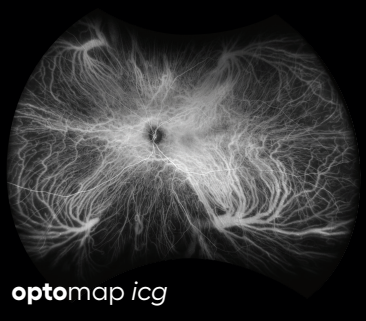


optomap *green af (532nm)*

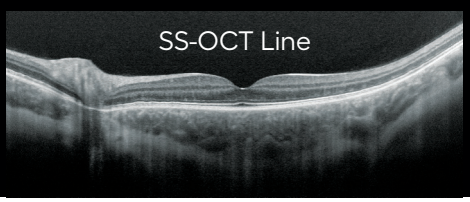


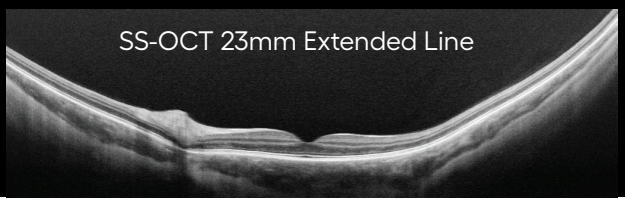
optomap *blue af (488nm)*

optomap *fa*



optomap *icg*





optomap images are high-resolution multimodal 200° images able to visualize vitreoretinal, retinal and choriodal layers from pole to periphery.[1]

- **opto**map *color rgb* is the only single capture, true color, consensus-defined UWF image[2] which provides significantly more accurate clinical imaging than Topcon color fundus photography and Heidelberg SPECTRALIS MultiColor.[3]
- **opto**map *color rgb* is 4 in 1 color depth imaging generating **opto**map *color rg*, **opto**map *Sensory Retina* and **opto**map *Choroidal* in a single undilated capture.
- 3500+ peer-reviewed publications in over 350 diseases demonstrate the value of **opto**map.
- **opto**map use enhances pathology detection and disease management, as well as improves outcomes and clinic efficiency.[1,2,4]
- Optos*Advance*™ software streamlines image review, provides accurate measurement and enables images to be overlaid to assess changes overtime.

"Optos imaging has revolutionized retina and is indispensable in the management of retinal vascular diseases."

- David M. Brown, MD
Retina Consultants of Texas

See how **opto**map will help you manage your patients. For more information scan the QR code on the back.

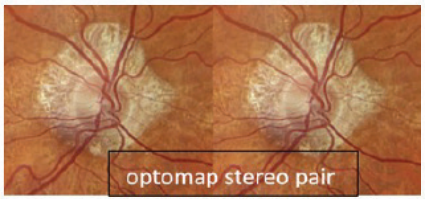
Nikon

optos®

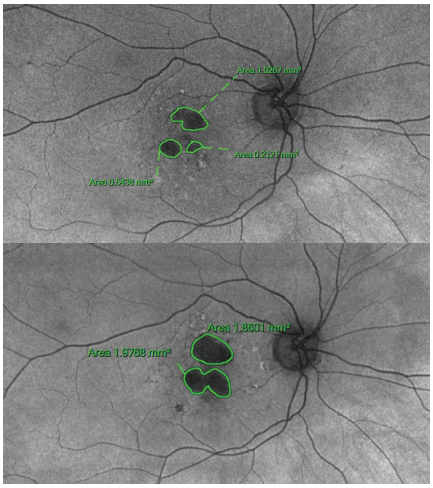
CLINICAL SUMMARY

optomap multimodality UWF imaging that improves clinial practice

- optomap demonstrates equivalence with traditional single and multi-capture fundus photos and OCT for:
  - DR & DME[5-11]
  - AMD and GA[12]
  - ROP[13]
  - Uveitis / Vasculitis[14]
  - Sickle cell[15]
- optomap *color rg* shows clinical value in:
  - Vascular disease[1,5-11]
  - RPE changes[1]
  - Pigment dispersion due to laser[1]
  - Deep retinal hemorrhages in diabetic retinopathy[1,5-11]
  - Nevi[3,16]
  - Myopia[17,18]
  - Ocular oncology[17,18]
  - Inflammatory disease[17,18]
  - Inherited retinal disorders[17,18]
- optomap *color rgb* improves clinical evaluation of:[1,3]
  - Macular pathologies (drusen, CNV, macular hole, ERM, GA)
  - Optic disc pathologies (glaucoma, myelinated nerve fibers)
  - Hyaloid reflection
  - PVR subretinal band
  - Peripheral retinal abnormalities (holes, tears, lattice)
  - Superficial retinal hemorrhages
  - Neovascularization
  - Ghost vessels or ischemia
  - Enhanced contrast between the retinopexy
  - Retinoschisis[19]
- optomap stereo imaging is equivalent for glaucoma assessment.[20]



- optomap is able to image through cataracts 85% of the time[21] and reduces ungradable images in 81%.[22]
- optomap *af* is available in green (532nm) and blue (488nm).
  - optomap green af finds peripheral changes in 66%[23] across a variety of diseases including in 97% of eyes with AMD.[24]
  - optomap blue af is obtained in a single capture in a wavelength consistent with clinical trial imaging standards.
- optomap *fa* is an effective prognostic marker to better predict risk of worsening over time.[25]
  - Higher risk of progression has been associated with areas of nonperfusion greater than 77.5mm^2[2,26] or 107.3 disc areas.[27]
  - optomap *fa* better supports detection of IRMA and NO than SS-OCTA.[28,29]
- optomap *icg* visualizes peripheral changes in 67%.[30]
- optomap-guided OCT impacts clinical decision making in 84%.[31]
- optomap implementation reduces patient visit duration 33% (28 minutes)[32] allowing 4.4% more patients a year (1.5/day)[4]
- 97% of optomap users reported unexpected pathology in a patient with no visual complaints.[33]
- Optos*Advance* tools allow for the easy assessment of the progression of lesions using image overlay annotations including: AreaAssist, area, diameter and change over time.



References:
1. Stanga, 2023. 2. International Widefield Study Group, 2019. 3. Nagel, 2025. 4. Tornambe, 2017. 5. Kernt, 2011. 6. Kernt, 2012. 7. Silva, 2012. 8. Silva, 2013. 9. Rasmussen, 2015. 10. Silva, 2017. 11. Aiello, 2018. 12. Cstuak, 2010. 13. Ramkumar, 2019. 14. Campbell, 2012. 15. Drouglazet, 2019. 16. Gordon-Shaag, 2014. 17. Nagiel, 2016. 18. Kumar, 2021. 19. OT, 2023. 20. Haleel, 2016. 21. Chen, 2011. 22. Silva, 2014. 23. Sadda, 2012. 24. Friberg, 2016. 25. Silva, 2022. 26. Nicholson, 2019. 27. Yu, 2020. 28. Santos, 2024. 29. Guo, 2025. 30. Klufas, 2014. 31. Sodhi, 2021. 32. Lin, 2021. 33. Dhoot D, Kitchens JW, Lahners W, Martinez C. Advances in Imaging Online Symposium, Pentavision, 2021.

optomap is available on *Daytona*, *California*, *MonacoPro* and *Silverstone RGB*.

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