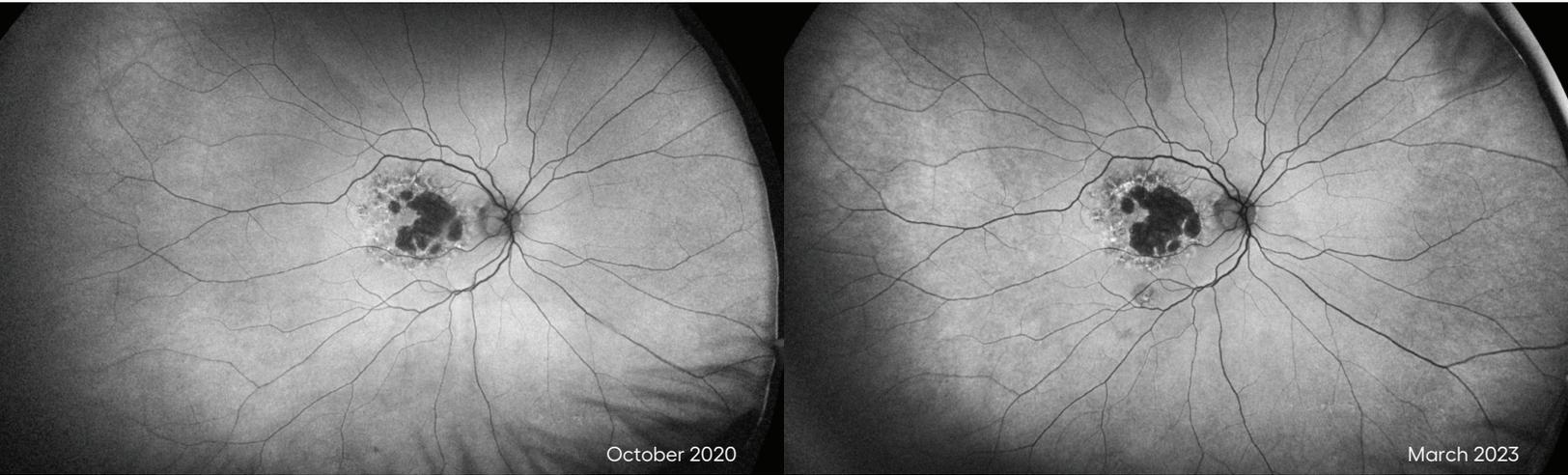


# MULTIMODAL **optomap**<sup>®</sup> ENHANCES THE MANAGEMENT OF AMD



**optomap has helped re-define age-related macular degeneration (AMD) as a pan-retinal disorder finding 97% of eyes with the disease have peripheral retinal changes<sup>1,2</sup>.**

**optomap images enable pole to periphery assessment in a high resolution, single capture facilitating the monitoring and measurement of geographic atrophy (GA) as well as evaluation of the retinal periphery.**

- New imaging guidelines suggest autofluorescence (*af*) plays a key role in monitoring the progression of GA. When considering treatment *color* and *af* imaging are recommended at baseline. During treatment, bimonthly *OCT* is recommended to monitor for adverse events and *af* to confirm impact on growth reduction.
- Multimodal ultra-widefield (UWF<sup>™</sup>) **optomap** imaging has confirmed the presence of pan-retinal AMD-related pathologic changes including hard, crystalline, and soft drusen; retinal pigment epithelial changes; choroidal neovascularization (CNV) and atrophy evidenced by hypoautofluorescence and hyperautofluorescence in the peripheral retina<sup>1,2</sup> in subjects with AMD, even in those without central sight-threatening macular disease.
- Recent research has confirmed the GA area measurements using **optomap** *af* are repeatable and consistent with other imaging modalities and are suitable for monitoring of GA in clinical practice and research trials.<sup>3</sup>

*“The results of the 10-year follow-up of AREDS2 participants demonstrate the extensive and relentless progression of the AMD lesions. The disease is not confined to the macula but extensive throughout the retinal and its periphery.”<sup>4</sup>*

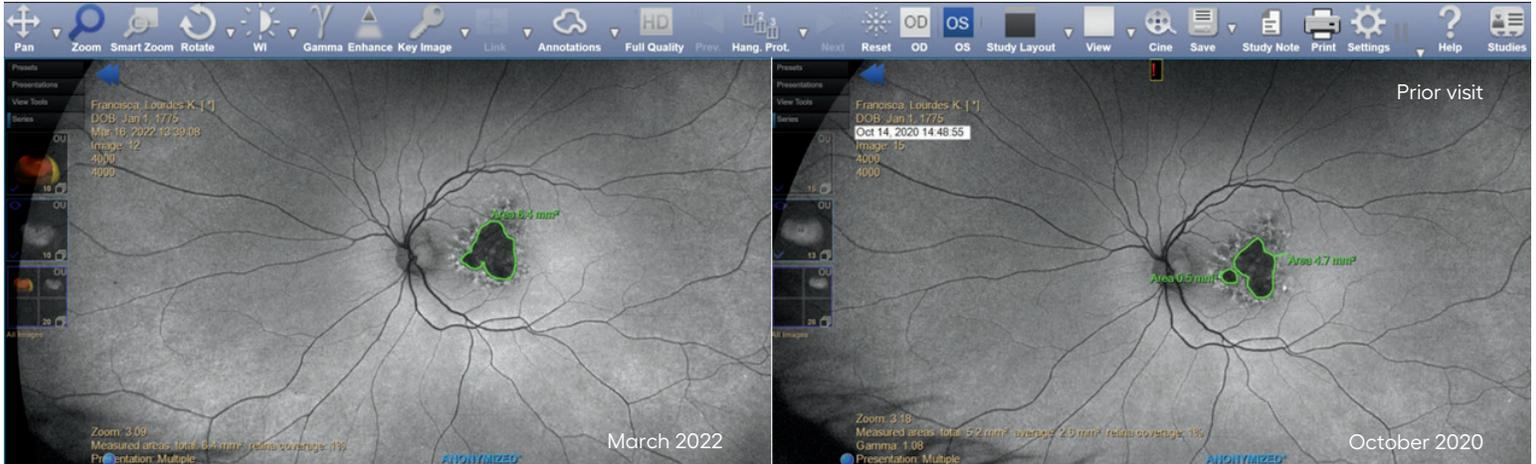
— IOVS, 2021

See how **optomap** will help you manage your patients. For more information call **800-854-3039** or email **BDS@optos.com**



# CLINICAL SUMMARY

## More findings regarding multimodal **optomap** enhances the management of AMD



- All Optos devices include **color** and **af** imaging to support the monitoring of AMD, for advanced management **OCT, FA, icg** can be included in the same device.
- Age-related macular degeneration is best managed with multimodal imaging and may be more than a “macular” condition but one that involves the entire retina.<sup>2</sup>
- **optomap** is equivalent to traditional fundus photography for grading AMD and is better for imaging subjects who have media opacity. The laser based imaging provides a higher resolution image in terms of sharpness and contrast compared to white light images through media opacity.<sup>1</sup>
- In the OPERA study, 484 subjects underwent **optomap color** and **af** imaging. Drusen were found in 97% of eyes in the mid-periphery and 77% of eyes in beyond the vortex vein ampullae. Super large drusen were found in 63% in the mid-periphery and 39% in the far periphery.<sup>2</sup>
- The results of the 10-year follow-on of AREDS2 participants demonstrate the extensive and relentless progression of the AMD lesions.<sup>4</sup>
- **optomap fa** demonstrated that 84.59% of AMD subjects had hyperfluorescent characteristics in which the main contributors were drusen, paving stone, and atrophic areas.<sup>5</sup>
- **optomap icg** captures significant peripheral changes in 80% of AMD patients.<sup>6</sup>
- **OptosAdvance™** includes image annotations to measure:
  - GA area of atrophy
  - GA diameter of a region of interest
  - GA follow-up visit measurement
  - GA follow-up visit image overlay

#### Reference:

1. Lengyel et al. A Population-Based Ultra-Widefield Digital Image Grading Study for Age-Related Macular Degeneration-Like Lesions at the Peripheral Retina. *Ophthalmology*. 2015.
2. Chew et al. Peripheral Retinal Changes Associated with Age-Related Macular Degeneration in the Age-Related Eye Disease Study 2. *Ophthalmology*. 2017.
3. Sadda. Emerging Treatments and 1st line Diagnostics for Geographic Atrophy. *Eureti*. 2023
4. Progression of Age-Related Macular Degeneration measured by Ultrawidefield Imaging in the Age-Related Eye Disease Study 2 10 Year Follow-On. *IOVS*. 2021.
5. Vataavuk et al. Morphological and Angiographic Peripheral Retinal Changes in Patients with Age-Related Macular Degeneration. *Ophthalmology Retina*. 2017.
6. Klufas. Feasibility and Clinical Utility of Ultra-Widefield Indocyanine Green Angiography. *Retina*. 2013.

**optomap** is available on **Daytona, California, Monaco and Silverstone** Devices.



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