

optomap®

IMPROVES MYOPIA MANAGEMENT



optomap helps overcome the growing clinical burden of myopia by improving the detection and monitoring of myopic complications across the retina.

- 95% of highly myopic (HM) patients with drusen-like deposits in the peripheral retina captured with **optomap** have pathologic myopia.¹
- 55% of HM eyes have posterior staphyloma visualized on **optomap** when compared to conventional fundus photographs.^{2,3}
- 42% of HM eyes have diagnosable myopic maculopathy found with **optomap**.⁴
- **optomap** has a sensitivity of 89%⁵ and specificity of over 99%⁶ in detecting peripheral retinal lesions, holes and tears when compared to clinical exam.
- **optomap** supported the detection of novel paravascular lesions in 71% of myopic patients, and is further bolstered by **optomap af** which together support the evaluation of mid peripheral and peripheral retinal pathologic features.⁷
- Optos® devices provide a 200° capture with multimodal capabilities taking as little as 0.5 seconds and Optos**Advance**™ review software tools to monitor progression and support patient counseling.

“The speed, ease of use and field of view of ultra-widefield (UWF™) imaging make it a promising screening tool for myopic retinopathy. Compared with dilated fundus examination, UWF imaging has proved to be a good complementary diagnostic modality, with high specificity and moderate sensitivity for detection of peripheral retinal lesions.”

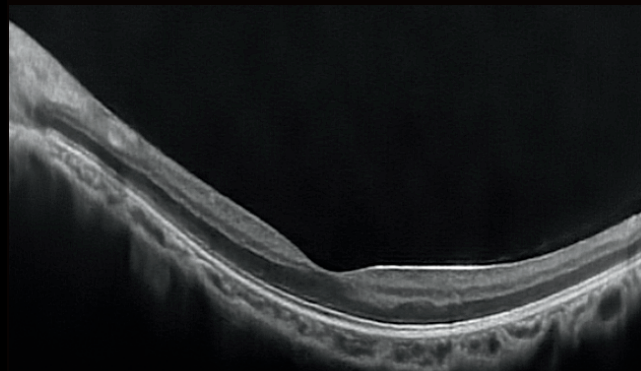
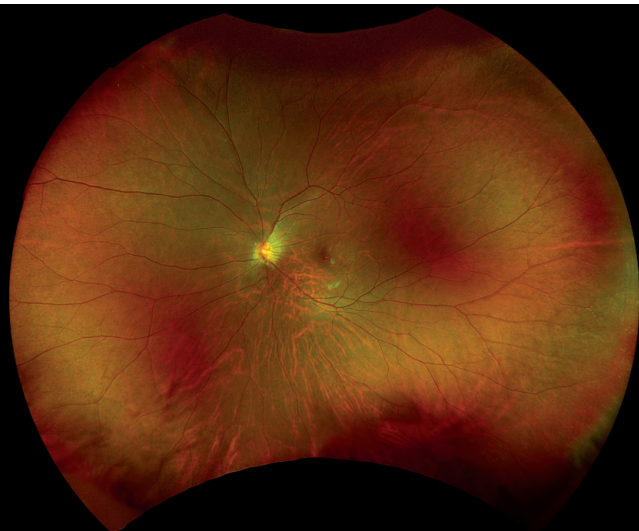
-Focus, 2024

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



CLINICAL SUMMARY

optomap improves myopia management



optomap *color rg* and full retinal thickness SD-OCT of a myopic eye captured on *MonacoPro*

- 97% of myopic eyes with posterior vitreoretinal abnormalities have vitreoretinal traction identified with Optos *Silverstone*.⁸
- **optomap *color rg*** and **optomap *green af*** can detect with greater detail pigmentation and fluorescence, respectively, of staphyloma edges and are highly correlated with, but easier to perform, less invasive and costly than 3D MRI images.^{9,2}
- Optos *Silverstone* increases precision of observation and understanding of the peripheral retina in HM patients by capturing focal lesions in 57%, linear lesions in 42% and peripheral vitreoretinal abnormalities in 16% of asymptomatic eyes.⁸
- *MonacoPro's* US-cleared reference database follows new best practice, state of the art guidelines for optic nerve head (ONH) size, which allow for more accurate comparisons as ONH size may be affected by myopic features such as staphyloma, tilted disc or larger disc size.¹⁰
- **optomap *fa*** helps find avascular areas in 82%, retinal capillary teleangiectasia in 78%, retinal capillary microaneurysms in 52% of myopic eyes.¹¹
- **optomap *icg*** in eyes with pathologic myopia helps visualize posterior vortex veins, which are associated with more advanced degenerative myopia findings: staphyloma, choroidal neovascularization related macular atrophy and large conus, features unable to be captured without montage in conventional fundus imaging.¹²
- **optomap** is non-mydriatic and non-invasive, and therefore beneficial technology to protect the safety of myopic mothers and their fetuses for examination during the third trimester when retinal thickness and the choroid may be most susceptible to hormonal and hemodynamic changes.¹³

References:

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