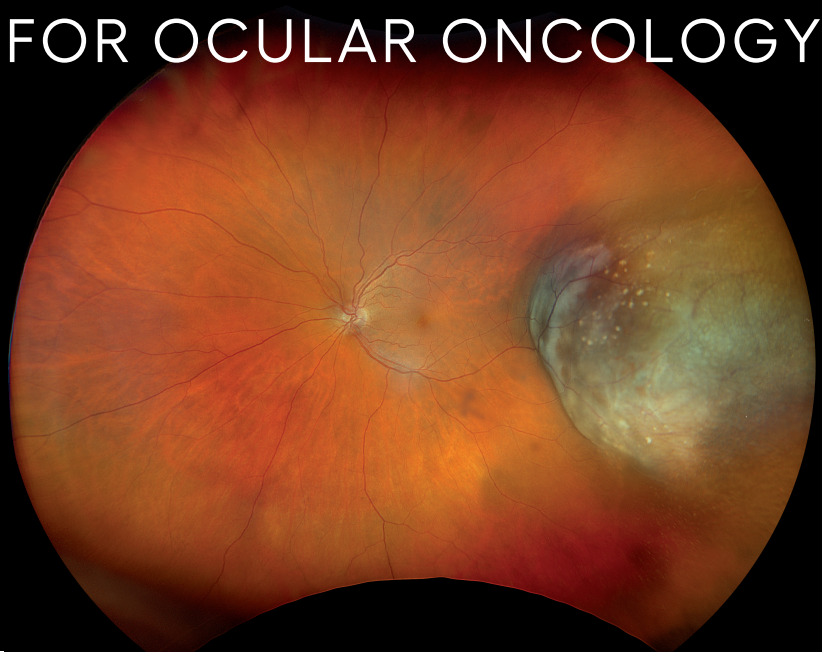
# optomap®

# IS MORE INFORMATIVE AND COST EFFECTIVE FOR OCULAR ONCOLOGY



**opto**map *color rgb*

**opto**map **is more informative than clinical examination and traditional color fundus photography (CFP) in the diagnosis and management of ocular oncology.**[1]

- **opto**map correlates highly with clinical estimation and ultrasonography supporting accurate staging, treatment planning and follow-up of basal tumor dimension.[2]
- **opto**map is more cost-effective and widely available than MRI for direct visualization of choroidal tumors.[3]
- **opto**map *Sensory Retina* (red-free) may be used to rapidly approximate tumor thickness, replacing the use of B-scan ultrasonography and optimizing the triage of melanocytic choroidal lesions.[4]
- **opto**map provides more information than traditional CFP, enhancing the detection and diagnosis of primary vitreoretinal lymphoma (PVRL) to reduce mortality risk.[2]
- **opto**map 3D wrap has been shown to accurately represent the geometry of a customized eye model within 0.2mm, which significantly supports surgical treatment of melanomas by realistically replicating relative tumor positioning and providing a baseline for post-treatment follow-up.[5,6]

*"With [ultra] widefield FA, smaller peripheral lesions that may not be visible on routine exams or fundus photography may be found sooner, allowing for earlier, less-invasive treatment with laser photocoagulation, which has minimal side effects and may halt progression of the lesions before vision loss occurs."*

— *Ophthalmic Surgery, Lasers and Retina Imaging, 2019*

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

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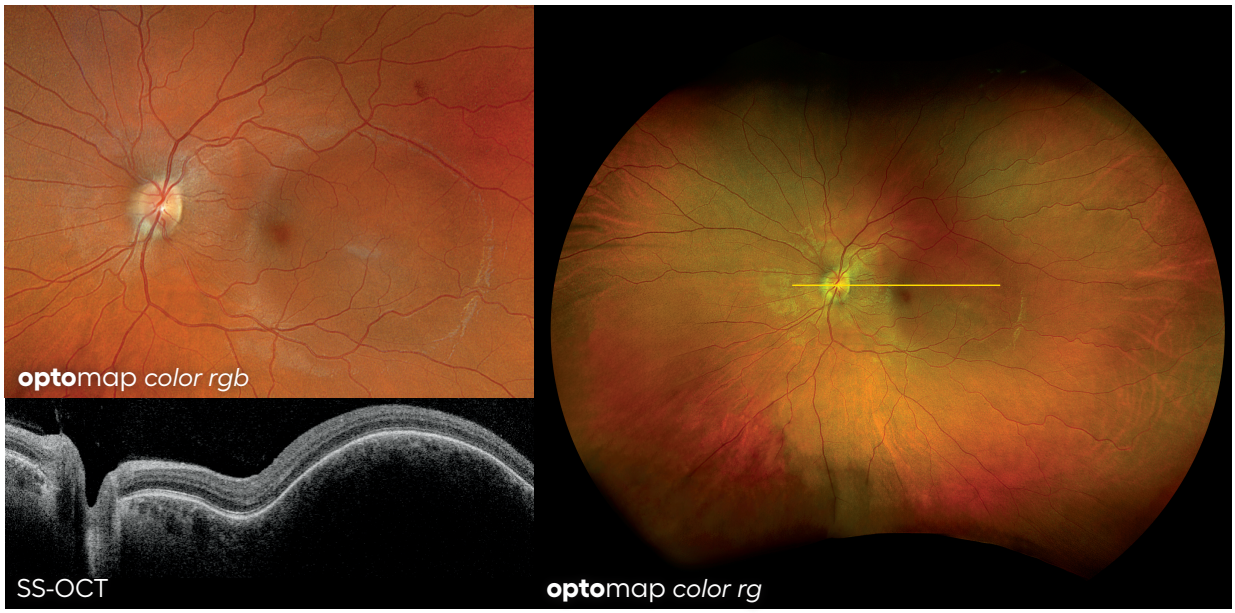
# CLINICAL SUMMARY

## optomap is more informative and cost effective for ocular oncology




optomap mulitmodal imaging of a choroidal hemangioma

- optomap multimodal imaging detects abnormal findings in 100% of eyes and more abnormalities in 47% of eyes, such as vitritis, subretinal lesions, optic nerve head edema and retinal detachment, compared to traditional CFP in patients with PVRL.[2]
- On optomap *fa*, 61% of eyes had more findings than traditional fluorescein angiography (FA) including peripheral vascular leakage, sub-RPE lesions and window defects.[2]
- 45% of eyes with Von Hippel Landau disease (VHL) have findings on optomap not observed on clinical exam with 88% of lesions located outside 7SF.[7]
- optomap *fa* is superior to traditional CFP in identifying 61.8% of retinal lesions including small, peripheral lesions in patients with VHL allowing for earlier detection and less invasive treatment to mitigate risk of vision loss.[8]
- optomap *fa* enables the differentiation of retinal hemangioblastomas from diabetic retinal hemorrhages, allows for direct comparison of lesions overtime and provides secondary measures of activity such as leakage, progressive growth and neovascularization.[7]
- 91.7% of patients with VHL had bilateral involvement seen on optomap *fa* demonstrating the benefits of optomap over clinical exam alone.[10]
- optomap *icg* has shown novel findings suggestive of choroidal infiltration in large B-cell lymphoma.[9]

References:
1. Nagel et al. Comparison of a Novel Ultra-Widefield Three-Color Scanning Laser Ophthalmoscope to Other Retinal Imaging Modalities in Chorioretinal Lesion Imaging. Transl Vis Sci Technol. 2025. 2. Ayres et al. Comparative Study of Clinical, Ultrasonographic, Conventional Imaging, and Ultra-Wide-Field Fundus Measurements of the Longest Basal Diameter of Choroidal Tumors. Ophthalmic Surgery, Lasers and Retina Imaging. 2017. 3. Ma et al. Automated segmentation for early detection of uveal melanoma. Canadian Journal of Ophthalmology. 2024. 4. Yu et al. Pixel Intensity to Estimate Choroidal Tumor Thickness Using 2-Dimensional Ultra-Widefield Images. JAMA Ophthalmology. 2025. 5. Wulff et al. Evaluation of OPTOS wide-field fundus image projections for radiotherapy planning of uveal melanoma. Journal of Applied Clinical Medical Physics. 2025. 6. Cicinell et al. 3d Wrap Ultra-Widefield Reconstruction in Stereotactic Radiosurgery for Choroidal Melanoma. Ocular Oncology and Pathology. 2019. 7. Chen et al. EARLY DETECTION OF RETINAL HEMANGIOBLASTOMAS IN VON HIPPEL–LINDAU DISEASE USING ULTRA-WIDEFIELD FLUORESCEIN ANGIOGRAPHY. Retina. 2018. 8. Goals et al. Efficacy of Retinal Lesion Screening in Von Hippel-Lindau Patients With Widefield Color Fundus Imaging Versus Widefield FA. Ophthalmic Surgery, Lasers and Imaging Retina. 2019. 9. Roditi et al. Intravascular large B-cell lymphoma of the eye: Literature review and new findings. Asia-Pacific Journal of Ophthalmology. 2024. 10. Kumar et al. Insights into retinal hemangioblastoma using ultra widefield imaging. Indian Journal of Ophthalmology. 2019.

optomap is available on *Daytona*, *California*, *MonacoPro*, and *Silverstone*. Modalities vary on device type, please check with your representative.

optos®

**Optos UK/Europe**
+44 (0)1383 843350
ics@optos.com

**Optos North America**
800 854 3039
usinfo@optos.com

**Optos DACH**
DE: 0800 72 36 805
AT: 0800 24 48 86
CH: 0800 55 87 39
ics@optos.com

**Optos Australia**
+61 8 8444 6500
auinfo@optos.com

**Contact us:**