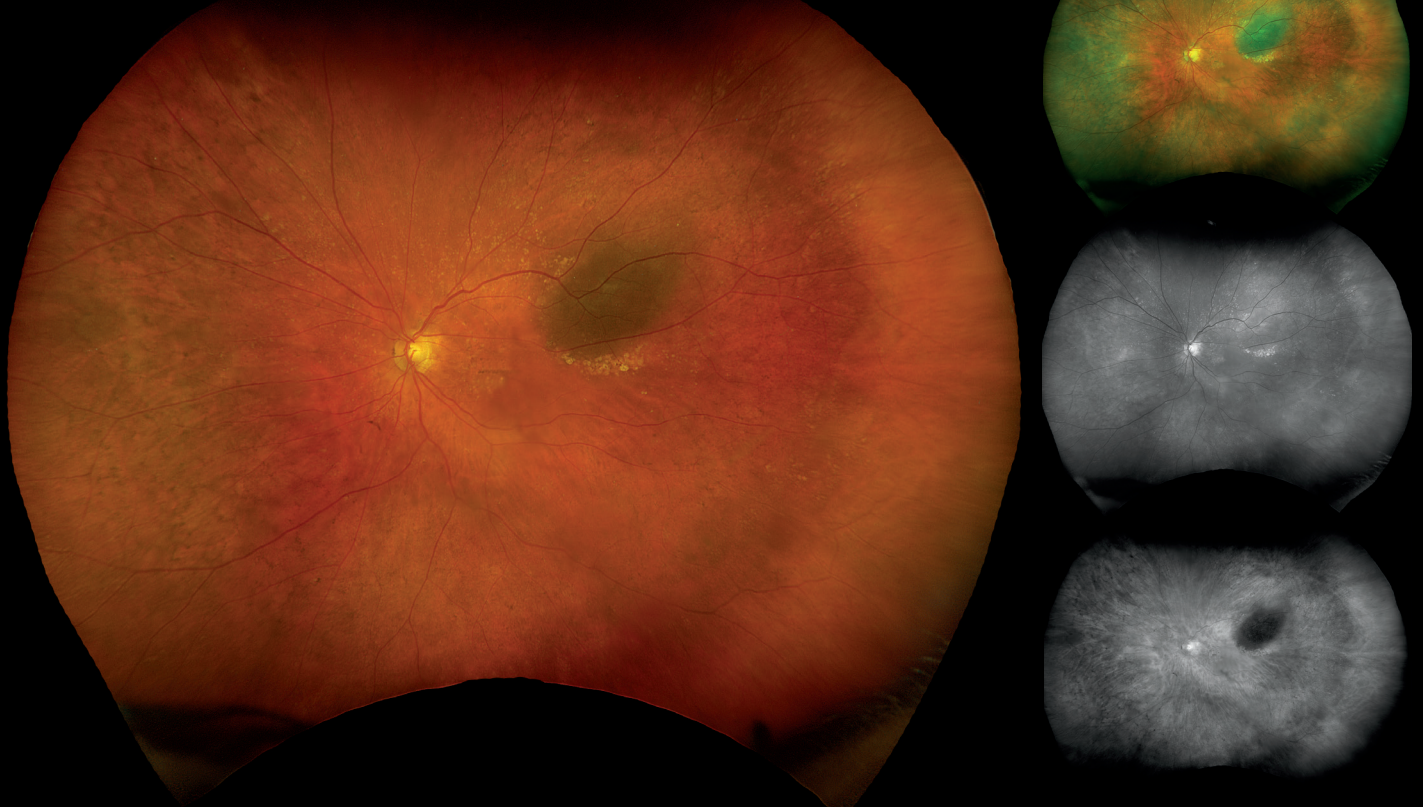


# COLOR RGB: A MORE NATURAL UWF™ VIEW



Recent clinical study demonstrates optomap single capture 200° color rgb is significantly superior in image diagnostic information compared to gold standard Topcon and Heidelberg Multicolor (MCI) when assessing a variety of retinal, choroidal and optic nerve pathologies.<sup>3</sup>

- **optomap color rgb** images are composite images of three laser wavelengths: red (635nm), green (532nm) and blue (488nm). Images are captured producing both **optomap color rgb** and a standard **optomap color rg** image. The clinical utility of **optomap color rg** is supported by more than 3,000 peer-reviewed publications across a variety of diseases.
- Reading center assessment found **optomap color rgb** images were non-inferior to **optomap color rg** across a variety of lesion types; graders reported small differences in brightness and contrast along vessels, borders of the optic nerve head and definition of the edges of lesions in 16.6% of eyes.<sup>1</sup>
- Research has shown that **optomap color rgb** confers an advantage in visualizing optic nerve anatomy, hyaloid reflection, PVR subretinal band, superficial retinal hemorrhages, neovascularization, peripheral retinal abnormalities (holes, tears, lattice), ghost vessels or ischemia, enhanced contrast between retinopathy<sup>2</sup> and retinoschisis.<sup>3</sup>
- **optomap color rg** has benefits over **optomap color rgb** in pigmented choroidal lesions, thus reviewing both images is advised in such cases.<sup>4</sup>

*“The results of our study show that the new Optos California provides a well-balanced color image, while users can choose to use both the color rg or color rgb images to enhance visualization of vitreous, retinal, and choroidal structures.”*

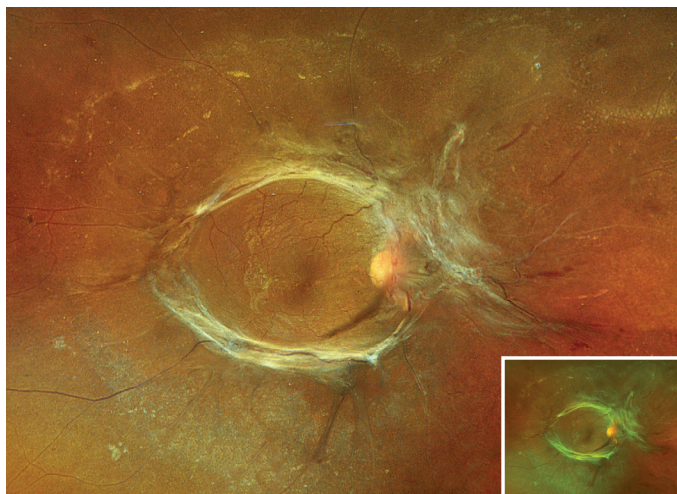
- OSLI, 2023

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



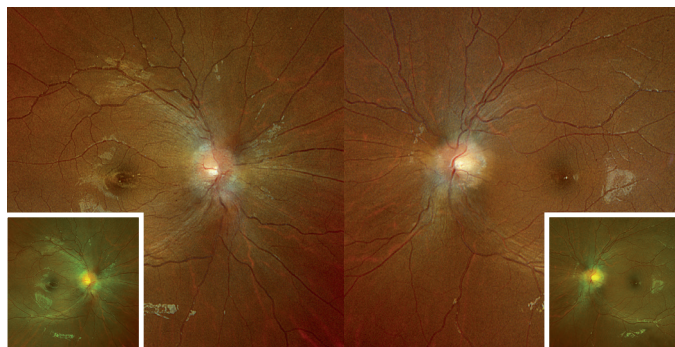
# CLINICAL SUMMARY

## Additional clinical evidence supporting the value of **optomap color rgb**



**optomap color rgb** provides a more natural view of features anterior to the retina including vitreous traction than **optomap color rg**.

- **optomap color rg** has long been the standard for UWF imaging, with more than 3,000 peer-reviewed publications underlining its utility for diagnosing, managing, and treating retinal disease.
- New **optomap color rgb** with four channel image review not only provides a more natural view of the retina but appears to confer an advantage for the following conditions:
  - Optic nerve anatomy<sup>2</sup>
  - Hyaloid reflection<sup>2</sup>
  - PVR subretinal band<sup>2</sup>
  - Superficial retinal hemorrhages<sup>2</sup>
  - Neovascularization<sup>2</sup>
  - Peripheral retinal abnormalities (holes, tears, lattice)<sup>2</sup>
  - Ghost vessels or ischemia<sup>2</sup>
  - Enhanced contrast between the retinopathy<sup>2</sup>
  - Retinoschisis<sup>4</sup>
- An assessment of the new **optomap color rgb** vs. **optomap color rg**, Topcon white light color montage (dilated) and Heidelberg Multicolor (MCI) 55-degree steered images on 80 eyes with retinal, choroidal and optic nerve pathologies found that **optomap color rgb** was significantly superior in diagnostic information compared to gold standard Topcon and Heidelberg Multicolor.<sup>3</sup>
- The same study found **optomap color rgb** superior to **optomap color rg** in assessing the extent and borders of pigmented choroidal lesions like nevi and CHRPE lesions.<sup>3</sup>
- OptosAdvance™ allows for side by side viewing of **optomap color rgb** and **optomap color rg** as well as the separation of channels to allow for the most accurate multi-modal assessment of pathology.



**optomap color rgb** provides a more natural view of the optic nerve head when there are blurred disc margins.

1. Hamill. Addition of Blue Reflectance Image to Red Green 200° Ultra-widefield Images. Investigative Ophthalmology & Visual Science June 2023, Vol.64, 5017. 2. Stanga. New 200° Single-Capture Color Red-Green-Blue Ultra-Widefield Retinal Imaging Technology: First Clinical Experience. Ophthalmic Surg Lasers Imaging Retina. 2023 Dec;54(12):714-718. 2024. 3. Nagel. Comparison of a Novel Ultra-Widefield Three-Color Scanning Laser Ophthalmoscope to Other Retinal Imaging Modalities in Chorioretinal Lesion Imaging. Trans. Vis. Sci. Tech. 2025. 4. Brown. Optos unveils ultra-widefield color image modality, offering increased retinal visualization to ophthalmologists. Ophthalmology Times. 2023.

**optomap color rgb** is available on **California**



**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:**

