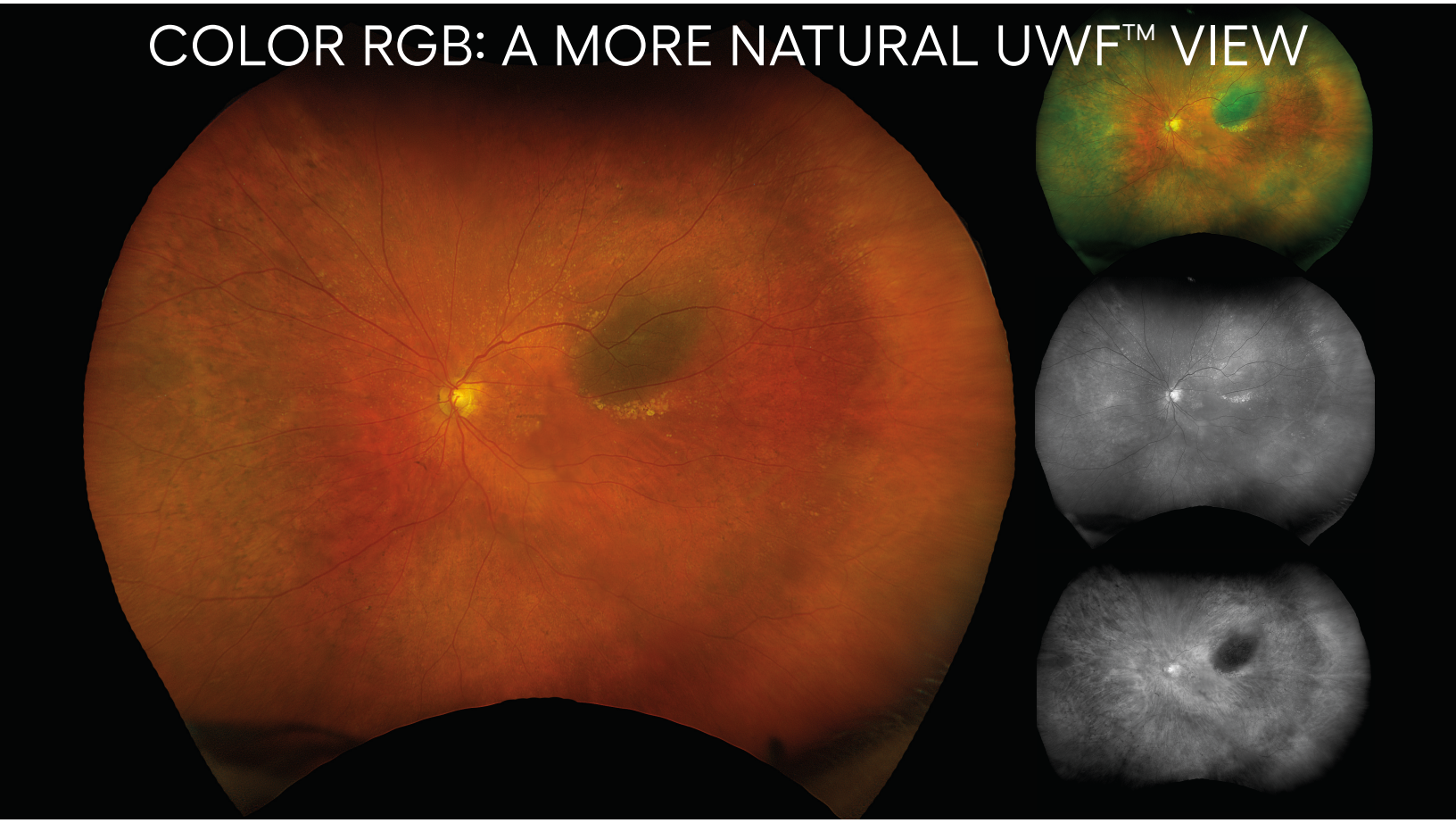
optomap®

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.[3]

- **opto**map *color rgb* images are composite images of three laser wavelengths: red (635nm), green (532nm) and blue (488nm). Images are captured producing both **opto**map *color rgb* and a standard **opto**map *color rg* image. The clinical utility of **opto**map *color rg* is supported by more than 3,000 peer-reviewed publications across a variety of diseases.
- Reading center assessment found **opto**map *color rgb* images were non-inferior to **opto**map *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.[1]
- Research has shown that **opto**map *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 retinopexy[2] and retinoschisis.[3]
- **opto**map *color rg* has benefits over **opto**map *color rgb* in pigmented choroidal lesions, thus reviewing both images is advised in such cases.[4]

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

Nikon

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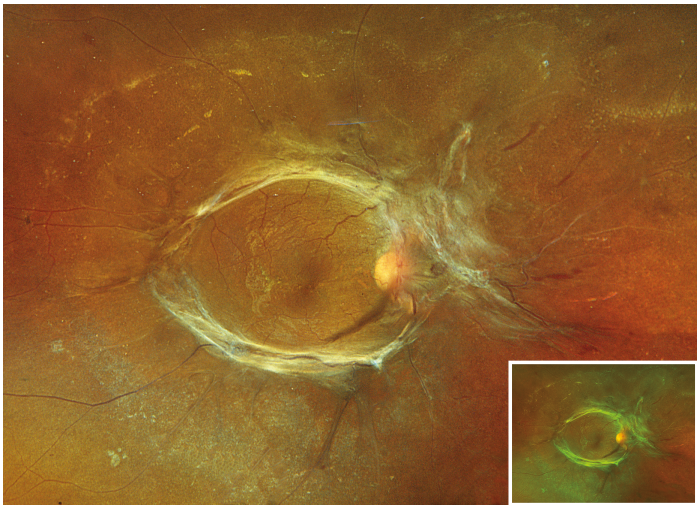
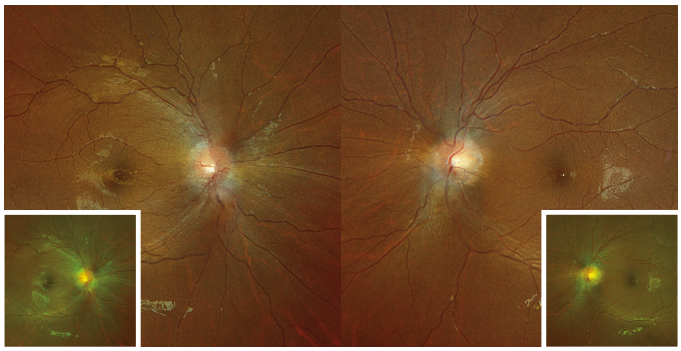
CLINICAL SUMMARY

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 **opto**map *color rg*.

- **opto**map *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 four channel **opto**map *color rgb* not only provides a more natural view of the retina but appears to confer an advantage for the following conditions:
  - Optic nerve anatomy[2]
  - Hyaloid reflection[2]
  - PVR subretinal band[2]
  - Superficial retinal hemorrhages[2]
  - Neovascularization[2]
  - Peripheral retinal abnormalities (holes, tears, lattice)[2]
  - Ghost vessels or ischemia[2]
  - Enhanced contrast between the retinopexy[2]
  - Retinoschisis[4]
- An assessment of the new **opto**map *color rgb* vs. **opto**map *color rg*, Topcon white light color montage (dilated) and Heidelberg Multicolor (MCI) 55-degree steered images on 80 eyes including 116 retinal and choroidal pathologies and 59 optic nerve pathologies found that **opto**map *color rgb* was significantly superior in diagnostic information compared to gold standard Topcon and Heidelberg Multicolor.[3]
- The same study found **opto**map *color rg* superior to **opto**map *color rgb* in assessing the extent and borders of pigmented choroidal lesions like nevi and CHRPE lesions.[3]
- Optos*Advance*™ allows for side by side viewing of **opto**map color rgb and **opto**map 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. Nagiel. Comparison of a novel ultra-wide field three color scanning laser (Optos red-green-blue) to other retinal imaging modalities in the imaging of choroidal or retinal lesions . 4. Brown. Optos unveils ultra-widefield color image modality, offering increased retinal visualization to ophthalmologists. Ophthalmology Times. 2023.

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: