

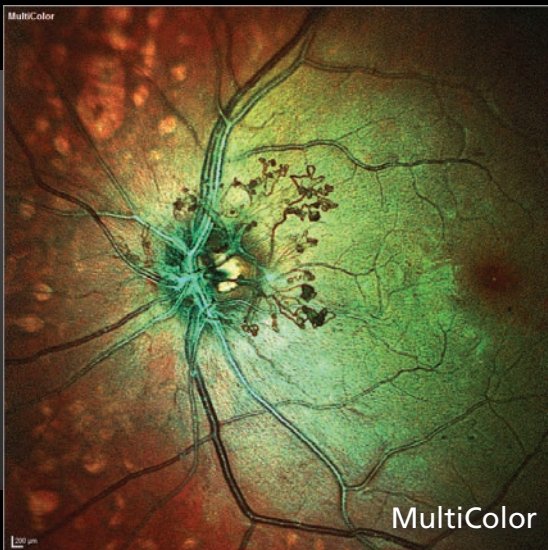
# Scanning Laser Imaging

SPECTRALIS MultiColor imaging delivers high contrast, detailed images, even in difficult patients like those with cataracts or nystagmus. The image clarity and detail is a result of SPECTRALIS core technologies: confocal scanning laser, active live eye tracking and noise reduction.

*“The detail and contrast in the MultiColor images have helped me identify pathologies which were unclear on the corresponding color fundus images.”*

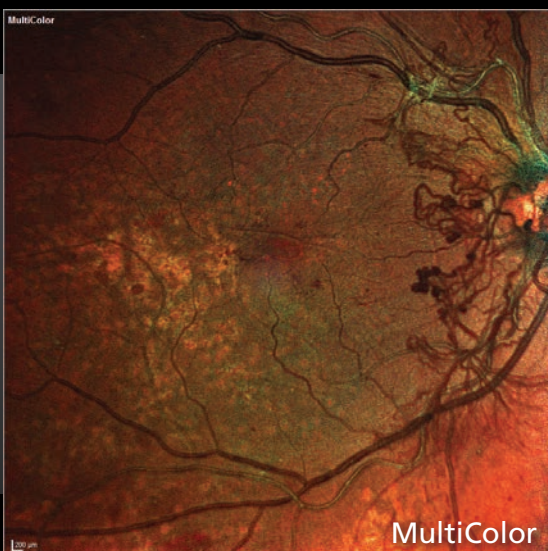
*Sebastian Wolf, MD, PhD*

## The Power of MultiColor Imaging



### Diabetic Retinopathy

The high contrast MultiColor images highlight neovascularization, and show microvascular structural changes down to the capillary level.

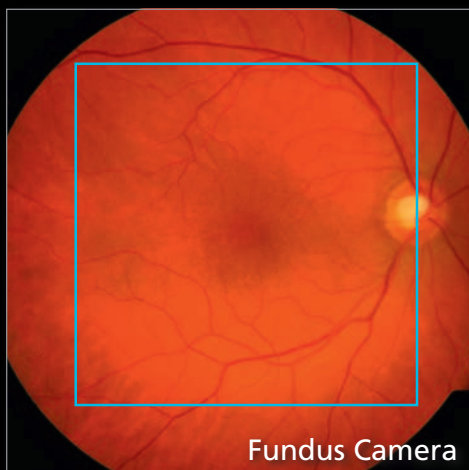


### Retinal Vein Occlusion

Areas of non-perfusion, capillary closure and neovascularization can easily be identified on these MultiColor images.

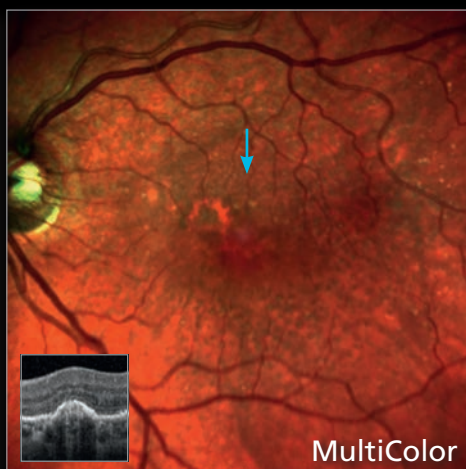
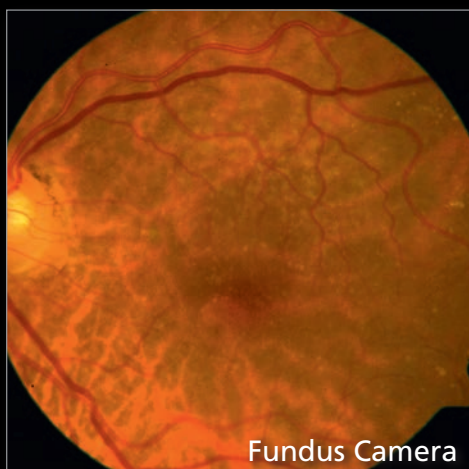
# The Detail of SPECTRALIS MultiColor Scanning Laser Imaging

## Healthy Subject



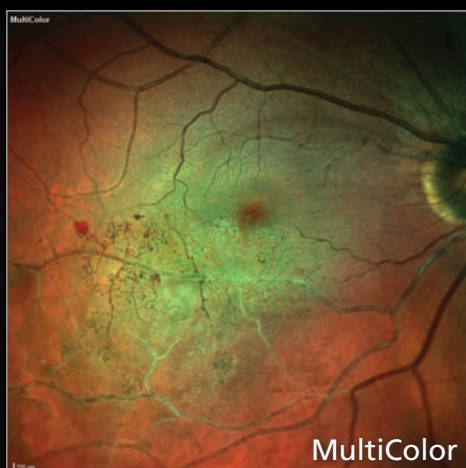
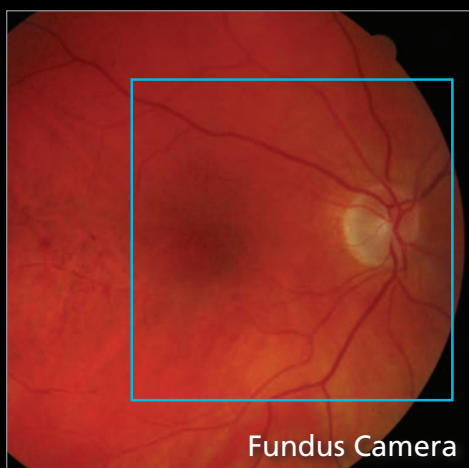
High contrast and quality of the MultiColor image allow identification of fine anatomic detail.

## Reticular Drusen



The presence and extent of multiple reticular drusen is readily visible in the MultiColor image. It also highlights an area of abnormal RPE (arrow) which might be difficult to identify in the fundus camera image. The simultaneous SD-OCT image confirms an elevation of the retinal pigment epithelium (RPE) at this location.

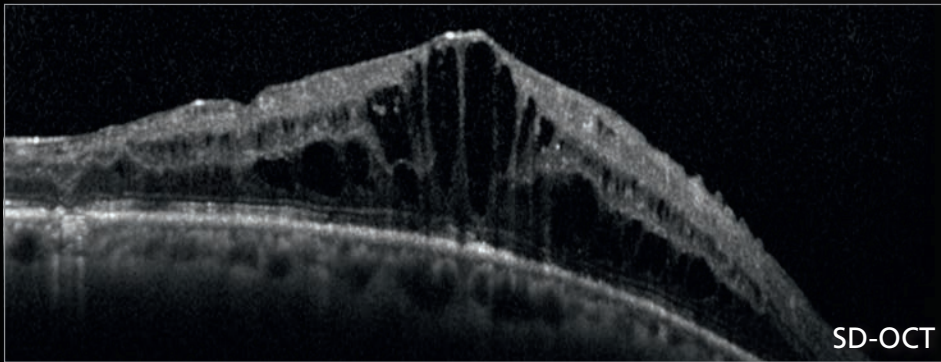
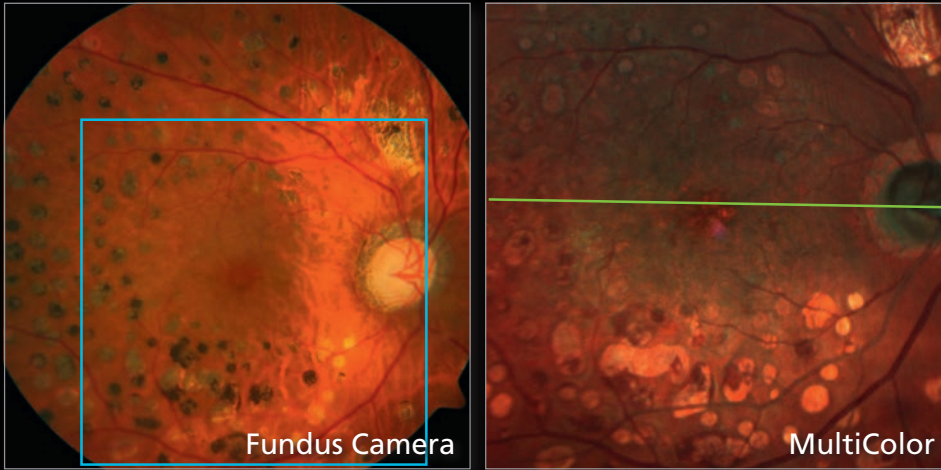
## Retinal Vein Occlusion



Areas of non-perfusion and capillary closure along with signs of neovascularization and collateral vessels are easily distinguishable on MultiColor images compared to the fundus photograph.

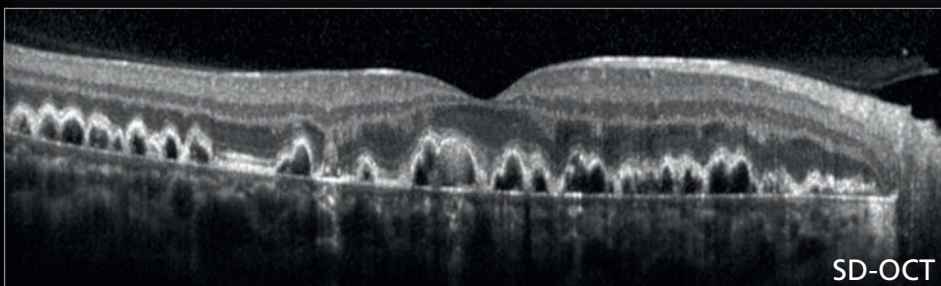
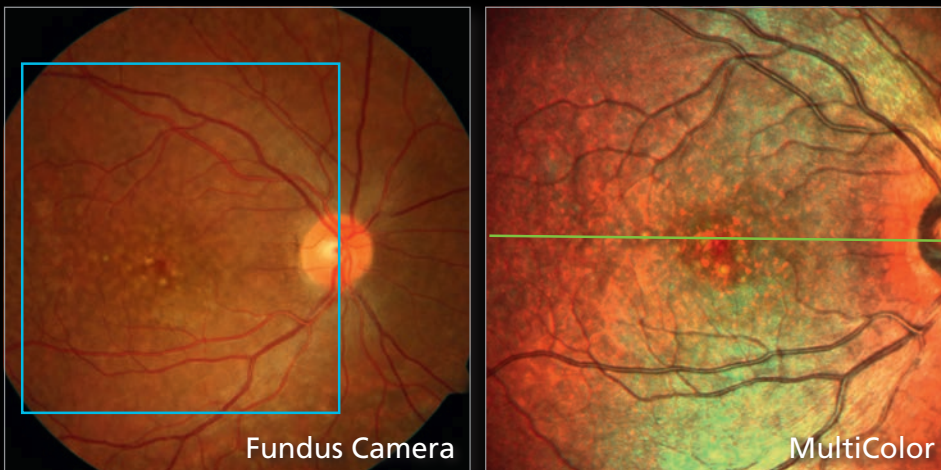
# The Precision of Multi-modality Imaging with SPECTRALIS

## Diabetic Retinopathy – Diabetic Macular Edema



### DME Case

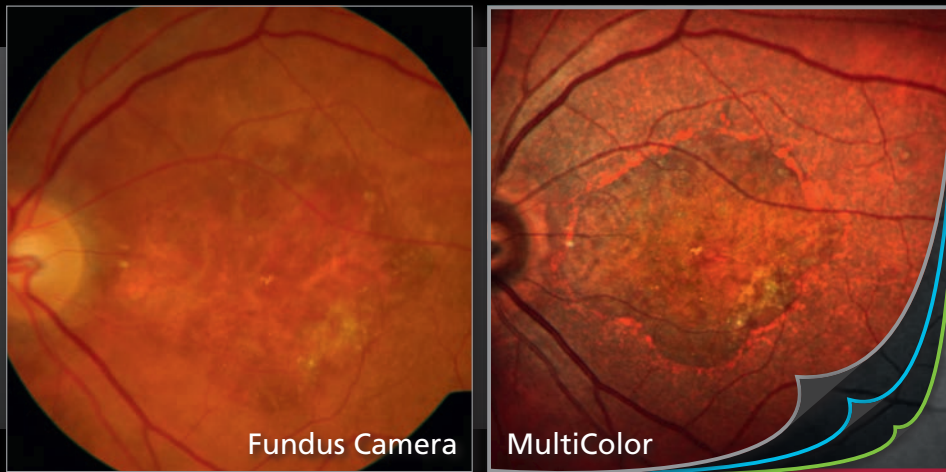
The fundus camera and SPECTRALIS MultiColor images show multiple areas of fibrotic tissue due to laser photocoagulation. The MultiColor image reveals an area of abnormal structure in the macula which may be difficult to identify on the fundus camera image. The simultaneous SD-OCT image shows diffuse thickening of the retina and cystoid macula edema.



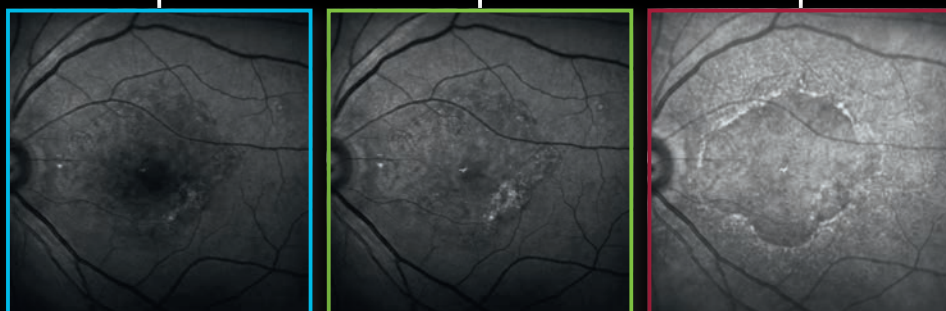
### DME Case

Multiple small to midsize drusen appear well delineated in the MultiColor image. The simultaneous SD-OCT image correlates precisely with the MultiColor image and confirms the presence of confluent drusen.

# The Versatility of MultiColor Imaging



The area of geographic atrophy is clearly demarcated in the MultiColor image. In addition, the peripheral reticular drusen are more easily identified.



Blue Reflectance

Green Reflectance

Infrared Reflectance

The MultiColor image is composed of three simultaneously acquired selective color laser images. The versatility to view both the MultiColor image and the individual color images provides additional diagnostic power by highlighting structural detail from different depths within the retina.



Now available for all SPECTRALIS models

SPECTRALIS® Models:		OCT	OCT <sup>Plus</sup>	HRA	FA+OCT	HRA+OCT
OCT	Spectral-Domain OCT	■	■		■	■
	Enhanced Depth Imaging (EDI) OCT	■	■		■	■
	Anterior Segment OCT	■	■		■	■
Fundus Imaging	Infrared Reflectance	■	■	■	■	■
	MultiColor <sup>TM</sup> scanning laser imaging	■	■	■	■	■
	BluePeak <sup>TM</sup> blue laser autofluorescence	■	■	■	■	■
	Blue Reflectance (Red-free)			■	■	■
	Fluorescein Angiography			■	■	■
Non-Contact Widefield	ICG Angiography			■	■	■
	Ultra-Widefield Angiography			■	■	■
	55° Angiography			■	■	■
	Panning Camera		■	■	■	■

All SPECTRALIS systems include: TruTrack<sup>TM</sup> active eye tracking, Heidelberg Noise Reduction<sup>TM</sup>, AutoRescan<sup>TM</sup>, HEYEX<sup>TM</sup> networking solutions, and upgradable hardware platform. Note: Not all features can be added to all systems; some options are only available at initial equipment purchase.

■ Standard Feature  
■ Optional feature, some options are only available at time of initial purchase.



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