HOCT-A Huvitz OCT Angiography

Retina Real Time Tracking Technology

The eye movement and the blinking do not wait for the end of the OCT laser scan. HOCT-A overcomes the motion artifact by correcting the scanning point automatically and reveals detailed microcirculation of the retina.



Retina Real Time Tracking Technology Algorithm Flow Chart





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Detailed Analytics

Detailed vascular network of the specific layer can be seen. The integrated image analysis tool can provide numerical data for the evaluation of the foveal avascular zone (FAZ).



Binocular Comparison (OU)

Bilateral comparison in diabetic retinopathy is useful in the follow-up and can help planning future treatment. Color-coded retinal vasculature according to the layer, vascular density and vascular flow map can be a comprehensive tool for understanding pathophysiological changes of the retina.



Accurate Segmentation & Reproducibility of Measurement

Automated Layer Segmentation

Superficial and deep retinal vessel view, outer photoreceptor layer view, choriocapillary view are provided as a default setting and the pathological change seen on the fundus exam can be matched to OCT angiography by comparing with the enface view. The 'Custom' layer view can help in evaluating multi-level-spanning pathological vasculature.



Progression

Chronological change of the retinal vascular pathology can be easily reviewed in time-series analysis mode.



Various Scan Sizes : 3 / 4.5 / 6 / 9 mm

The wide scan with low resolution for the ischemic retinal disease and the narrow scan with high-resolution for the small neovascular lesion can be an optimized tool for the evaluation and the follow-up.

Designs and details above can be changed without prior notice for the purposes of improvement.

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