

Comparison Of Fundus Auto Fluorescence Imaging And Optical Coherence Tomography In Patients With Geographic Atrophy

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Purpose: To compare images from fundus imaging systems and Optical Coherence Tomography for areas of geographic atrophy patterns.

Methods: Twenty eyes of patients with geographic atrophy patterns were imaged for Fundus Autofluorescence (FAF) patterns using the HRA 2 (Heidelberg Engineering Heidelberg Germany,), a Topcon 50 IX fundus camera equipped with autofluorescent filters (580 nm excitation and 695 nm barrier filters), digital camera (Kodak Megaplug 1.4i) and ImageNet software (Topcon USA, Paramus N.J.) The same patients were also scanned using the Topcon 3D-OCT Fourier domain OCT (Topcon USA, Paramus N.J.) and the Stratus OCT (Carl Zeiss Meditec, Inc).

Conclusions: Together the Topcon 3D-OCT and the Zeiss Stratus OCT and FAF imaging all provided useful diagnostic information and further enhance our understanding and interpretation of geographic atrophy patterns of the RPE. Further clinical studies are planned.