(X) R1 ( ) R2 ( ) R3 ( ) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( )
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Ingrowth site identification in patients with polypoidal choroidal vasculopathy by high-speed indocyanine green angiography

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Purpose: to report the neovascular network ingrowth site identification in a patient with polypoidal choroidal vasculopathy by high-speed indocyanine green angiography (ICGA).

Methods: a 47 seven-year-old patient with PCV was prospectively evaluated at our service with complete ophthalmic examination, fluorescein and indocyanine green angiography as well as optic coherence tomography. For PCV vascular network characterization and ingrowth site identification a new diagnostic tool was used: Heidelberg retinal angiography (HRA2).

Results: HRA2 is able to acquire images up to 16 frames per second enabling real time movies of the retinal and choroidal circulations. By using this equipment we could identify the PCV neovascular network ingrowth site peripapillary at the supero temporal region.

Conclusions: the use of high speed ICGA permits a dynamic study of the retinal/choroidal circulation and may contribute for better understanding of vascular diseases such as PCV.