



Retinal Vasculature Changes Herald the Presence of Carotid-Cavernous Fistula

A 44-year-old woman presented with redness in the right eye for 4 weeks (A). Her visual acuity was 20/20 in both eyes. Intraocular pressure was 27/17 mmHg in the right and left eye, respectively. Incomitant esotropia attributed to right abducens palsy was also noted. Her fundus was normal, but a marked superficial vascular complex (SVC) dropout was found on OCT angiography (B). Digital subtraction angiography (C) revealed a right direct carotid-cavernous fistula (CCF) with venous drainage to the right inferior petrosal sinus, bilateral ophthalmic veins (C, arrow), and cortical veins. The reduction of SVC reversed (D), with improvement of ocular hypertension and esotropia 2 weeks after embolization of right CCF. (Magnified version of Figure A-D is available online at www.aaojournal.org).

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