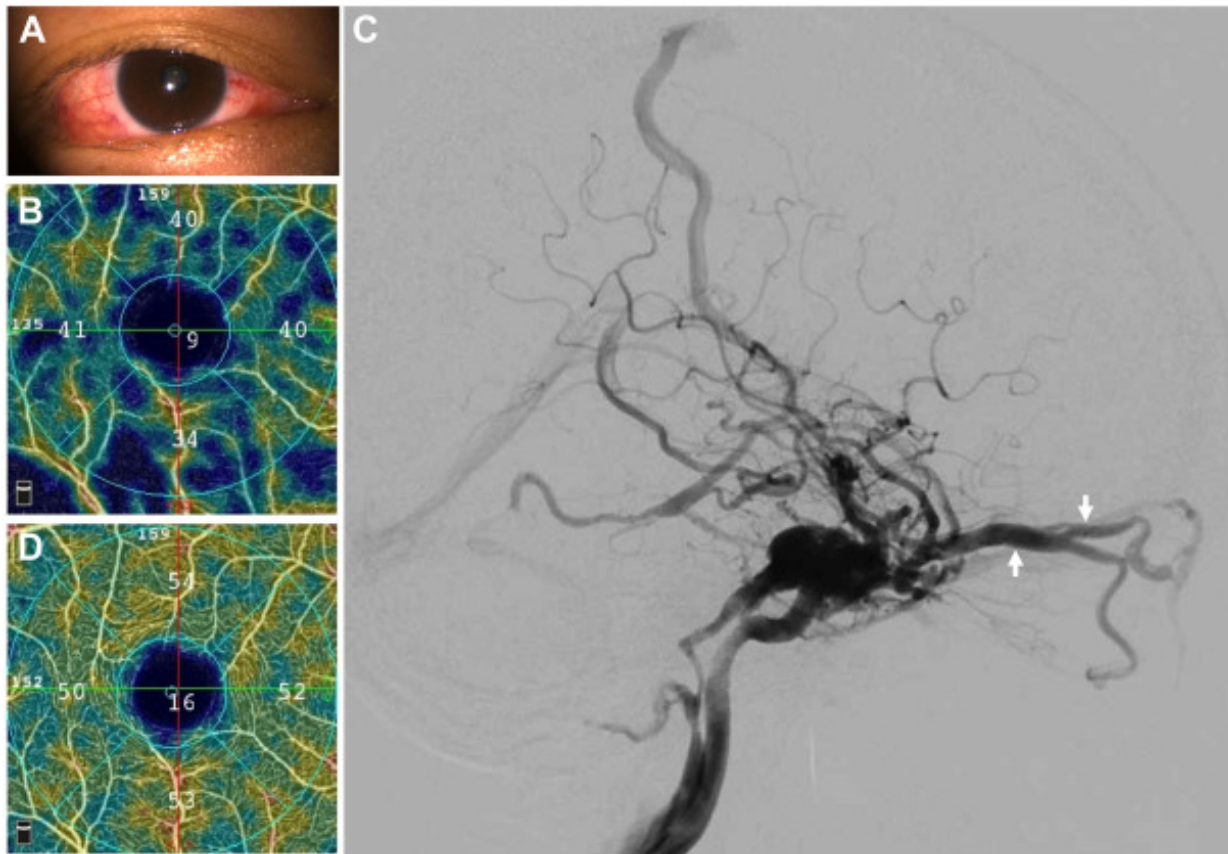


# Retinal Vasculature Changes Herald the Presence of Carotid-Cavernous Fistula



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](http://www.aaojournal.org)).

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