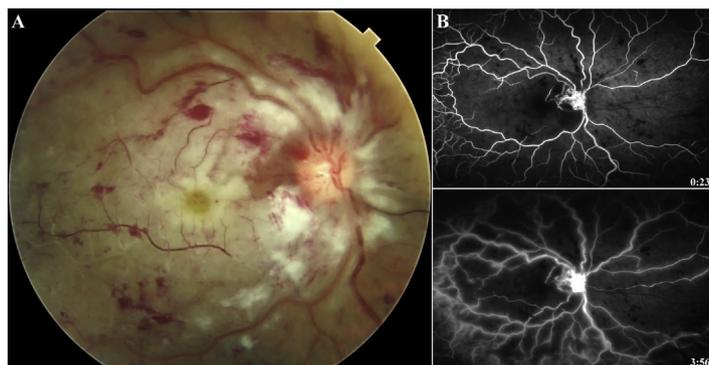


Pictures & Perspectives

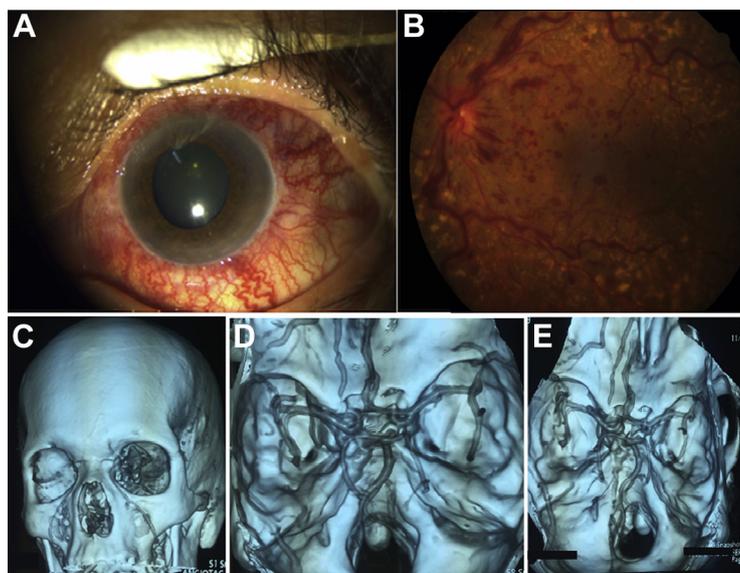


Combined Central Retinal Vein Occlusion and Central Retinal Arterial Obstruction with Cilioretinal Artery Sparing

A 37-year-old woman with stage IV chronic renal disease presented with shortness of breath 8 days after experiencing acute, painless vision loss in the right eye. Her systemic blood pressure was 209/122 mmHg. Vision examination revealed hand motion in the right eye and 20/15 in the left eye. Ophthalmoscopic examination of the right eye revealed extensive hemorrhages, cotton-wool spots, and ghost vessels with diffuse retinal edema and cilioretinal artery sparing (Fig 1A). The left fundus appeared normal. Fluorescein angiography (Fig 1B) showed retinal nonperfusion with cilioretinal artery sparing in early frames (Fig 1B, top), and leakage of the optic disc and peripheral retinal vessels in late frames (Fig 1B, bottom).

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Association of Carotid-Cavernous Fistula with Central Retinal Vein Occlusion

A 62-year-old woman presented with acute painless loss of vision and proptosis of her left eye, 2 years after sustaining blunt trauma to the left side of her head. Examination disclosed anisocoria and dilation of the episcleral blood vessels (Fig 1A). Auscultation evinced a pulsatile bruit over the left upper eyelid and brow. Ophthalmoscopy revealed tortuous engorgement of the vessels, multiple intraretinal hemorrhages, optic disc margin blurring, and incidental drusen (Fig 1B). A 3-dimensional angio-computed tomography showed a carotid-cavernous fistula (Fig 1C, D, E). The association of carotid-cavernous fistula and central retinal vein occlusion suggests possible thrombosis and venous stasis in the superior ophthalmic vein.

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