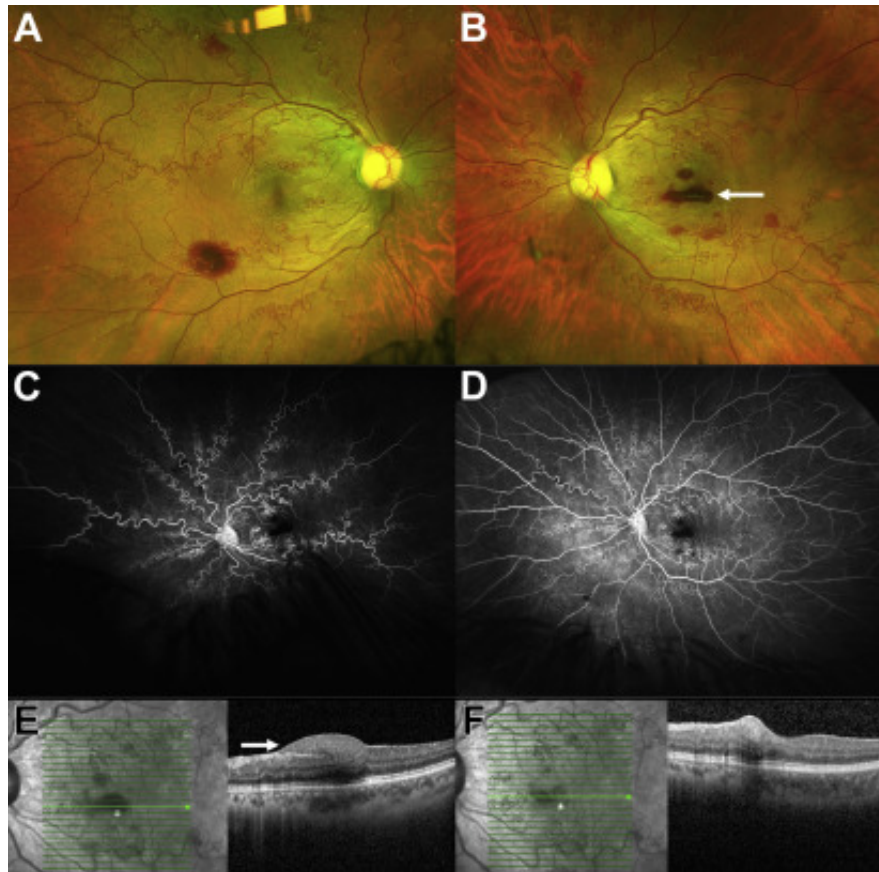


Spontaneous Retinal Hemorrhages Associated with Familial Retinal Arteriolar Tortuosity



A 41-year-old woman, an offspring of consanguineous marriage, presented with suddenly decreased vision in the left eye. Fundus examination revealed marked tortuosity of the second- and third-order arterioles with multiple retinal hemorrhages in both eyes (**A, B**), including a larger preretinal hemorrhage in the fovea of the left eye (**B, arrow**). A fluorescein angiogram highlighted prominent arteriolar tortuosity and blockage in the areas of hemorrhage (**C, D**). Spectral domain OCT showed improvement of the preretinal hemorrhage (**arrow**) over 1 month and resolution of her visual symptoms (**E, F**). Magnetic resonance imaging of the brain, complete blood count, and urinalysis results were unremarkable. The patient's genetic testing revealed homozygosity for COL4A2 mutation, associated with familial retinal arteriolar tortuosity.