Retinal Macroaneurysm in Long-Standing Hypertension

A 74-year-old woman presented with a 6-day history of blurred vision in the left eye. Her vision was 20/20 in the right eye and 20/500 in the left eye. Fundus photograph (Fig 1A) shows superficial and deep retinal hemorrhages associated with a retinal macroaneurysm. Optical coherence tomography angiography (OCTA) demonstrates an outpouching of a retinal arteriole along the inferior arcade (Fig 1B, arrow). Infrared image reveals the structural components of the outpouching and B-scan location (Fig 1C, dotted line). Optical coherence tomography (OCT) at presentation shows the retinal macroaneurysm (Fig 1D, arrow) associated with subretinal and intraretinal fluid. This finding was highly suggestive of long-standing hypertension.

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