A70-year-old male presented to the emergency department with acute onset of painless monocular vision loss of his right eye. Visual acuity on presentation was light perception. Fundus photographs taken in the emergency department demonstrated diffuse inner retinal whitening, a macular cherryred spot, segmental irregularities of the retinal arterioles (also known as boxcarring). He received intravenous tenecteplase, 0.25 mg/kg, 149 minutes after onset of persistent vision loss, with improvement in vision 15 minutes thereafter. Repeat fundus photographs taken 60 minutes after administration of tenecteplase demonstrated reperfusion of the retinal arteries .