Traumatic endophthalmitis presenting as isolated retinal vasculitis and white-centered hemorrhages: Case report and review of literature.

Relhan N, Jalali S, Nalamada S, Dave V, Mathai A.

Source

Srimati Kanuri Santhamma Centre for Vitreoretinal Diseases, Hyderabad Eye Research Foundation, Kallam Anji Reddy Campus, LV Prasad Eye Institute, Hyderabad, India.

Abstract

The article reports a case and review of the literature of endophthalmitis presenting as isolated retinal vasculitis. A 26-year-old male was observed to have white-centered retinal hemorrhages and retinal vasculitis following an occult scleral perforation. At presentation, the visual acuity was 20/60. With clinical suspicion of early endophthalmitis, he underwent wound exploration, scleral tear repair, vitreous biopsy and administration of intravitreal antibiotics. Microbiology evaluation revealed significant presence of methicillin-resistant coagulase-negative Staphylococcus epidermidis. Final visual acuity improved to 20/20 at 6 weeks postoperatively. Literature search revealed eight similar cases, all of them due to Staphylococcus species. Retinal vasculitis and white-centered retinal hemorrhages can be a presenting sign of early endophthalmitis, especially with non-fulminant pathogens like S. epidermidis.