An otherwise healthy 19-year old girl presented with a complaint of sudden painless vision loss (counting fingers) in the right eye. On examination, bilateral choroidal osteoma with subfoveal choroidal neovascular membrane and intraretinal hemorrhage in the right eye was detected. Visual acuity improved dramatically to 0.6 with the resolution of subfoveal fluid after three days of intravitreal injection of bevacizumab (1.25 mg/0.05 ml). A second injection was performed upon re-organization of the subretinal fluid. Subretinal fluid reabsorbed, and the membrane mass almost disappeared 2-months after the second injection with a final (12-month) visual acuity of 0.8.