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Case Report: Nodular Scleritis with Pre-Suspected Retinoblastoma

Abstract

Nodular scleritis may complicate to uveitis. As we know that retinoblastoma is the most common malignant ocular tumor in childhood and can mimic uveitis, so that to rule out the malignancies in children is necessary. Our objective is to report a difficult case of nodular scleritis and posterior uveitis in a child. The patient, a 4 years old boy, complained of red eye and loss of vision. From history revealed painful red eye, leukocoria and proptosis 3 weeks before admission. The patient has been visited to other eye hospital with presumed diagnosed was retinoblastoma. Examination found nodular scleritis and anterior uveitis with anterior synechie and membrane in the pupil as the complications, and we found multiple dental carries. The USG showed vitreous opacity with echospike 60% and mass was suspected. From the immunology laboratory test found C3c was 114.9 mg/dL (N:90-180) and C4 was 15.5 mg/dL (N: 10-40), but sedimentation rate was increased. We treated with systemic and topical steroid and antibiotic, and performed serial ophthalmic ultrasound to evaluate the inflammation and the mass. After treated with systemic and topical steroid and antibiotic, result showed that the proptosis reduced gradually during two months observation and became phthisis. The nodular scleritis disappeared and the inflammation reduced. In conclusion, with the proper treatment and serial ophthalmic ultrasound give the advantage to save the eyeball in managing patient with nodular scleritis and posterior uveitis. Although blind or phthisical eyes are not at increased risk for malignancy, a tumor can occasionally be the cause of globe degeneration. Ultrasonography is useful in these eyes and planning a proper management.

Keyword : Nodular, scleritis, retinoblastoma, uveitis, in, child,

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