CHOROIDAL REACTIVE LYMPHOID HYPERPLASIA
-- A CASE REPORT

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Purpose: To report the clinical presentation, image studies findings, histological characteristics and the result of treatment in a patient with choroidal reactive lymphoid hyperplasia.

Methods: To review the clinical presentation, findings of ophthalmoscopy, ultrasound scan, magnetic resonance imaging, fluorescein angiogram findings and serum studies in a case of choroid reactive lymphoid hyperplasia. Pathological studies of choroidal specimen, and clinical course after treatment were also reviewed.

Result: A 44-year-old married Taiwanese male suffered from progressive blurred vision of right eye for 4 months (hand-motion/20cm in first visit). A choroidal mass mainly located at the temporal area and extended to the posterior pole with exudative retinal detachment was noted. Ultrasound scan revealed a choroidal mass with initial medium spike and internal reflectivity. Magnetic resonance imaging revealed a 24x3x2mm iso-signal lesion in choroid with good homogeneous enhancement. Fluorescein angiogram revealed multiple small RPE leaking spots and an obvious focal leaking spot. Surgical biopsy was performed and histological findings showed nearly equal number of well-differential B and T lymphocytes which was confirmed as reactive lymphoid hyperplasia. Subtenon injection of triamcinolone was done but only minimal resolution of subretinal fluid was noted. Radiation therapy (2880 cGy) was then performed with the choroidal mass significantly regressed and the visual acuity returned to 20/20 6 months later.

Conclusion: Choroidal reactive lymphoid hyperplasia is an uncommon choroidal disease. Choroid biopsy helps to make accurate diagnosis. In our experience, radiation therapy is effective in the treatment of choroidal reactive lymphoid hyperplasia, and early treatment may help patients regain useful visual acuity.

Key word: Choroid, Reactive lymphoid hyperplasia, Choroidal biopsy, Radiation therapy

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