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MEDICAL RETINA (MACULAR EDEMA, CSCR, OTHERS)

BRACHYTHERAPY FOR CHORIDAL HEMANGIOMA: A SIGHT SAVING PROCEDURE

Oral Presentation

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Circumscribed and diffuse choroidal hemangiomas with exudative retinal detachment represent a therapeutic challenge. Although photodynamic therapy is an effective procedure yet the limited availability of Visudyne represent a problem in many centers .

15 cases were included in this study 8 cases of circumscribed choroifdal hemangioma and 7 cases of diffuse choroidal hemangioma as part of Sturge Weber Syndrome. All cases had associated exudative retinal detachment compacting the hemangioma with diminution of vision . All cases were treated by brachytherapy applying a ruthenium 106 plaque at an apical dose of 25 Gy

Postoperatively all cases showed marked reduction in the thickness of the tumor as measured by ultrasonography and resolution of exudative retinal detachment and improvement of BCVA in 90 % of cases .. Those which did not improve were due to chronicity of the cases with associated fibrous metaplasia over the tumor .

Brachytherapy at a low dose of 25 Gy is an effective alternative to photodynamic therapy for cases of choroidal hemangioma .