( ) R1 ( ) R2 ( ) R3 (X) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( ) PIBIC

Last Name - Correa
First Name - Zelia
Middle - M.S.

Service (sector)
Ocular Ultrasound

Nº CEP

Ultrasound biomicroscopy (UBM) in the surgical planning and post operative follow-up of iris and ciliary body melanomas

Correa ZM; Augsburger JJ; Erwenne CM; Marcon IM

Purpose: To study UBM (ultrasound biomicroscopy) findings of iris and ciliary body melanomas pre-operatively and post-operatively and correlate them with histopathology.
Patients and Methods: Prospective study of 7 cases of iris and ciliary body tumors. Two patients were loss to follow-up and excluded. The remaining 5 patients were evaluated by UBM pre-operatively and treated with iridectomy or iridociclectomy. All specimens were sent to pathology. All patients were followed for a minimum of 6 months. After surgery all patients were studied by UBM to evaluate tumor recurrence, surgical margins and peripheral retina and vitreous.
Results: In this group of 5 patients, 3 were females and 2, males. Four cases were irido-ciliary tumors and one was an iris only mass. In all cases UBM was very helpful to determine surgical planning and ensure free surgical margins. Post-operative UBM revealed no signs of tumor recurrence. Two patients presented with vitreous in the surgical wound, one with limited vitreous traction but no retinal detachment was detected so far. None of the patients presented signs of recurrent tumor growth.
Conclusion: Ultrasound biomicroscopy seems to be a reliable method to follow-up after iris and irido-ciliary melanoma resection.
FINANCIAL INTEREST: NONE