

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
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Service (sector) Tumors and Pathology N° CEP

HISTOPATHOLOGIC FEATURES IN RETINOBLASTOMA AFTER CHEMOREDUCTION

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Designed: Observational case series Purpose: To report the histopathologic features from retinoblastoma eyes submitted to previous chemoreduction

Methods: Seven enucleated eyes that received previous chemotherapy were submitted to routine histological preparation and stained with hematoxylin-eosin. The sections were analysed by light microscopy focusing: anterior segment features, viable tumors cells, calcification and /or necrosis, optic nerve invasion, choroidal invasion and gliosis. Results: A total of 7 eyes from 6 patients were studied. Three cases presented with rubeosis iridis and four cases with anterior chamber exudation. One case showed tumors cells in anterior chamber. Except in one case, all the cases presented active tumor cells after chemoreduction. All cases presented necrosis and calcification, but in two cases this was not the predominant feature. Optic nerve invasion was not found but three cases presented choroidal invasion. All cases presented gliosis. Conclusion: This study showed the variable histopathological features in retinoblastoma eyes submitted to chemoreduction. There was no correlation with number of chemotherapeutic cycles. The patients follow-up will be important to confirm if these histological features could help in the treatment choice of the contralateral eye.