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SECTION : ORBIT & OCULOPLASTY

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OUTCOME AND HISTOPATHOLOGICAL HIGH-RISK FEATURES IN GROUP D AND GROUP E RETINOBLASTOMA

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Purpose: To evaluate the outcome and histopathological high risk features in Group D and Group E retinoblastoma. Method: Retrospective consecutive case series of retinoblastoma managed over 20 years. Results: Of 1360 eyes of 929 patients evaluated, 642 (47%) were classified as Group D (n=159, 12%) or Group E (n=483, 36%) by the international classification. Enucleation was performed in 85 (53%) eyes in Group D and and 390 (80%) eyes in Group E. Histopathological high-risk factors were present in 25% in Group D and, 52% in Group E ($p<0.0001$). Systemic metastasis occurred in 0.6% in Group D and 4.2% in Group E. Treatment abandonment was 12.5% in Group D and 23% in Group E. Conclusion: Eye salvage in Group E retinoblastoma is low. Over half of the enucleated Group E eyes have histopathological high-risk factors for metastasis. Rate of treatment abandonment and the incidence of systemic metastasis is also relatively high in this group.

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