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SECTION : ORBIT & OCULOPLASTY

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ORBITAL RHABDOMYOSARCOMA – CLINICAL PROFILE AND OUTCOME FOLLOWING MULTIMODAL MANAGEMENT

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Purpose: Role of multimodal management in orbital rhabdomyosarcoma (RMS). Methods: Retrospective interventional case series including 35 consecutive patients with orbital RMS. Management included incisional biopsy, debulking or excisional biopsy, followed by 3 cycles of chemotherapy (Vincristine+Actinomycin-D+ Cyclophosphamide, alternating with Ifosfamide+Etoposide), stereotactic radiotherapy, and further 3 cycles of chemotherapy. Results: Mean follow-up was 39m. While 30 (86%) had complete regression, 5 (14%) had local recurrence. These were managed by tumor excision (3) or exenteration (2) and chemotherapy. None had recurrent tumour at the final follow-up. Systemic metastasis occurred in 1 (3%). Eye salvage was possible in 33 (94%), and vision salvage in 30 (86%). Conclusion: Multimodal treatment including initial surgery, followed by chemotherapy and stereotactic radiotherapy provides excellent chance of local tumour control with life, eye and vision salvage in orbital RMS.

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