Selective intra-arterial embolization for advanced extrascleral uveal melanoma

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Purpose: To report a treatment approach for advanced extrascleral uveal melanoma.

Methods: Clinical examination including magnetic resonance imaging, computed tomography, angiography, and histopathologic analysis.

Results: A 49-year-old healthy woman presented with a seven-year history of an enlarging mass arising from the right eye. The right orbit had an exophytic, multilobulated pigmented mass with associated necrotic tissue measuring approximately 10 cm x 7.7 cm x 11 cm. No globe structures were present on physical exam or neuroimaging. Malignant melanoma was diagnosed after biopsy with immunohistochemical stains. Selective intra-arterial embolization was undertaken.

Conclusion: Significant reduction in tumor burden was seen 3 months after intra-arterial embolization. No complications were associated to treatment. Selective intra-arterial embolization may allow adequate palliative therapy in select cases of advanced extrascleral uveal melanoma.