

65th ANNUAL DIAGNOSTIC SLIDE SESSION 2024

CASE 2024-10

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Clinical History:

A 55-year-old woman with history of psoriatic arthritis and migraines presented with an episode of severe headache followed by one month of progressive memory decline, word-finding difficulties, and poor concentration. MRI showed a large, partially cystic, irregularly enhancing mass in the left temporal lobe with extension into the left orbit. She underwent resection of the left temporal lobe mass with biopsy of the left orbital component. A diagnosis was rendered.

The patient received chemotherapy and radiation. Over the next 2 years, the temporal lobe cavity was stable with no evidence of disease recurrence. The lesion in the left orbit showed significant growth, leading to marked proptosis, vision loss, and significant pain. A second biopsy of the orbital lesion was performed.

Material submitted:

H&E of the temporal lobe resection

H&E of the second left orbital biopsy

T1 post-contrast MRI at the time of initial presentation (1)

T1 post-contrast MRI of the orbital disease progression (2)

Points for discussion:

1. Differential diagnosis
2. Ancillary studies and molecular findings