

63rd ANNUAL DIAGNOSTIC SLIDE SESSION 2023

CASE 2023 - 6

Submitted by:

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Clinical History:

The patient is an 8-year-old girl with a history of autism, developmental delay, 15q11.2 deletion syndrome and immune thrombocytopenic purpura. She has no history of headaches, nausea, vomiting or change in vision. Brain MRI shows a T2 hyperintense, FLAIR hypointense and non-enhancing cystic lesion in right frontal lobe, which has increased in size. She underwent right frontal craniotomy for resection of the mass. On histopathologic evaluation, the perivascular spindled cells were negative for EMA, SSTR2A, PR, E-cadherin, SMA, and CD34.

Materials submitted:

1. One (1) H&E-stained section from the right frontal lobe mass specimen
2. One (1) axial brain MRI with post-contrast T1, T2 and FLAIR sequences
3. One (1) coronal brain MRI with post-contrast T1, T2 and FLAIR sequences

Points for discussion:

1. Differential diagnosis.
2. Ancillary studies and molecular findings.