

62nd ANNUAL DIAGNOSTIC SLIDE SESSION 2021

CASE 2021 #5

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Clinical History: The patient is a 3-year-old girl with a history of a large left shoulder hemangioma, who presented with three weeks of headache, nausea, and vomiting. Head CT showed a posterior fossa mass and ventriculomegaly. Brain MRI showed a heterogeneously enhancing, 5.1 x 4.2 x 3.2 cm, mixed solid and cystic mass centered in the cerebellum. The lesion exerted significant mass effect with partial effacement of the 4th ventricle, as well as anterior-superior displacement of the medulla and pons. Multiple faint septations were seen within the mass with evidence of diffusion restriction in the solid areas. The patient underwent suboccipital craniotomy for cerebellar tumor resection.

Material submitted:

1. One representative H&E slide
2. Brain MRI images (Axial T1 post-contrast and sagittal FLAIR)
3. Microscopic image of smear preparation (40x magnification)

Points for discussion:

1. Differential diagnosis
2. Diagnostic work-up
3. Key diagnostic findings