

62nd ANNUAL DIAGNOSTIC SLIDE SESSION 2021

CASE 2021 #8

Submitted by:

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Clinical History:

The patient is an infant boy born at gestational age 37 weeks and 2 days with a vascular brain lesion noted on prenatal imaging. Other prenatal screens were negative, and maternal history was significant only for hypertension. Delivery was via cesarean section with APGAR scores of 9 and 9. He was neurologically intact with no focal deficits or seizures. Magnetic resonance imaging at 1 week of age showed a 7 cm hypervascular right parieto-occipital lesion with significant mass effect on the cerebellum and midbrain. He underwent preoperative embolization and subtotal resection at 2 weeks of age. Intraoperative findings include a large, white, and highly vascular tumor occupying the right parieto-occipital space.

Material submitted:

1. H&E-stained section (right parieto-occipital lesion).
2. Pre-operative MR imaging (sagittal T1 post-contrast, axial T2 FLAIR).

Points for discussion:

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