fortune Journals

Clinical Image

ARCHIVES OF CLINICAL AND MEDICAL CASE REPORTS

ISSN: 2575-9655

Teaching NeuroImages: Gerstmann Syndrome in a Pediatric Patient with a Dominant Parietal Pleomorphic Xanthroastrocytoma

Chattip Prueksapraopong[1], Angeline Zhou[1], Bryant Yu[1], Carrie Ip[1], Audrey Nath[2*]

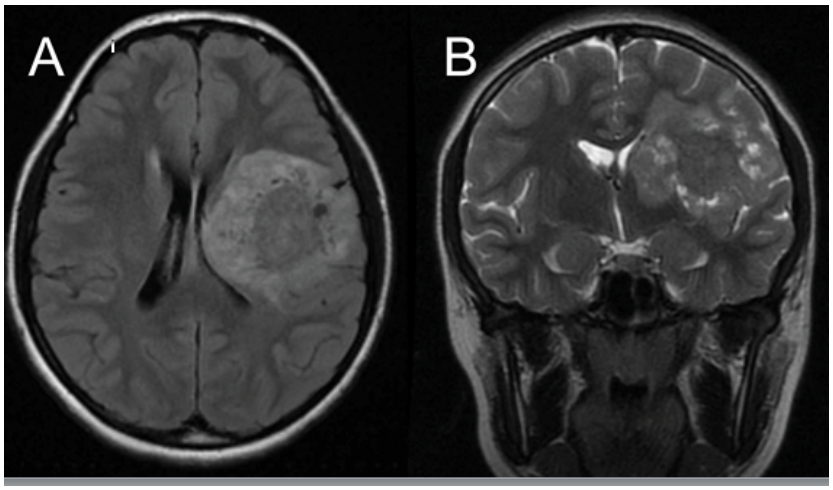
Legend

MRI showing the 5.8 x 5.8 x 5.2 cm calcified mass in the left frontoparietal region, causing mild mass effect on the left lateral ventricle, on axial T2 FLAIR (A) and coronal T2- weighted (B) sequences.

Case

A 13-year-old right-handed girl presented with a 2 year history of worsening headaches and 1 year history of focal seizures. Her mother also reported new difficulties in math class at school, as well as worsening handwriting. On examination, when asked to show her raise her left thumb, she raised her right thumb. She was unable to perform serial 7's, and when asked to write her name, her handwriting was unreadable. Brain MRI was significant for a large left frontoparietal calcified mass. Pathology revealed a diagnosis of pleomorphic xanthoastrocytoma.

The patient's left-right confusion, acalculia and agraphia appear consistent with a partial Gerstmann syndrome [1], seen with dominant parietal lesions and may be seen as an ictal phenomenon [2].



Contributions

Chattip Prueksapraopong: Drafting/revision of the manuscript for content, including medical writing for content; Major role in the acquisition of data

Angeline Zhou: Major role in the acquisition of data Bryant Yu: Major role in the acquisition of data Carrie Ip: Major role in the acquisition of data

Audrey Nath: Drafting/revision of the manuscript for content, including medical writing for content; Major role in the acquisition of data; Analysis or interpretation of data

Affiliation:

[1]University of Hawaii, Honolulu, HI, USA

[2]University of Texas Medical Branch, Galveston, TX, USA

***Corresponding Author**
Audrey Nath, University of Texas Medical Branch, Galveston, TX, USA.

Citation: Chattip Prueksapraopong, Angeline Zhou, Bryant Yu, Carrie Ip, Audrey Nath. Teaching NeuroImages: Gerstmann Syndrome in a Pediatric Patient with a Dominant Parietal Pleomorphic Xanthroastrocytoma. Archives of Clinical and Medical Case Reports. 7 (2023): 269-270.

Received: May 29, 2023
Accepted: May 16, 2023
Published: June12, 2023

Prueksapraopong C, et al., Arch Clin Med Case Rep 2023
DOI:10.26502/acmcr.96550610

Study Funding

The authors report no targeted funding.

Disclosures

C. Prueksapraopong, A. Zhou, B. Yu, C. Ip and A. Nath all report no disclosures.

References

1. Rusconi E. Gerstmann syndrome: historic and current perspectives. Handb Clin Neurol 151 (2018): 395-411.
2. Khoo HM, Fujita Y, Tani N, et al. Mystery Case: Parietal lobe epilepsy with ictal manifestation of Gerstmann syndrome. Neurology 94 (2020): e430-e433.