

## 64<sup>th</sup> ANNUAL DIAGNOSTIC SLIDE SESSION 2023

### CASE 2023 [8]

Submitted by: Sara Stone MD, PhD, Amir Banihashemi MD

Department of Pathology and Laboratory Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA

#### Clinical History:

A previously healthy 20 year-old male presented to the emergency department following syncopal episode. Upon arrival to the emergency department, the patient had a witnessed seizure. The patient reported recent forgetfulness and his friends noted periods of “zoning out.” CT of the head revealed an area of hypodensity in the left frontal lobe with punctate peripheral calcifications and possible scalloping of the overlying calvarium. Subsequent MRI revealed a 16 mm circumscribed, cortically based intra-axial, heterogeneously enhancing mass lesion in the left anteroinferior frontal lobe. The patient underwent left frontal craniotomy for tumor resection.

#### Material submitted:

H&E section of lesion  
MRI T1 post-contrast  
MRI T2 FLAIR

#### Points for discussion:

1. Differential diagnosis
2. Ancillary studies and molecular findings