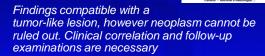




#### What is "Tumor like"

- ➤ Anything that resembles a tumor but isn't......
- ➤ Translated in the radiologist language:



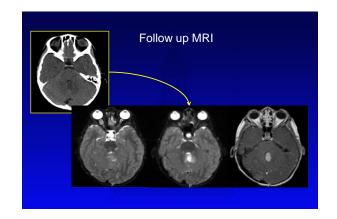
#### How to differentiate?

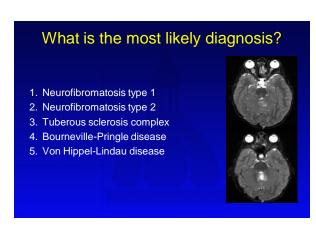
- Tumor and tumor-like lesion may look alike, radiologist needs:
  - -Good clinical history

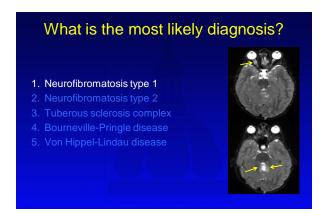
-Contrast enhancement

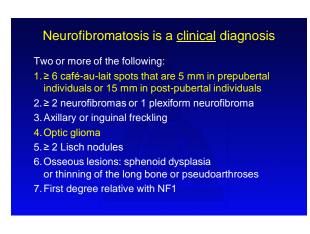
- -Good neurological examination
- Familiarity with neurological diseases and pathology

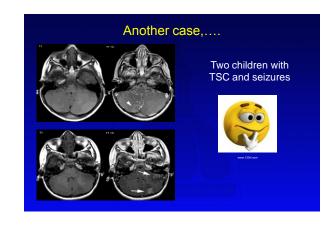
> 5yr boy who was playing with friends and collided with a much larger child. No loss of consciousness, but became lethargic
 > Upon arrival to JHH ED, GCS=15
 > Emergency CT was done
 > Previous history remarkable for some "eye issues"

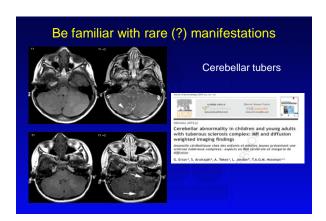




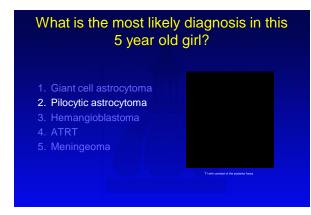


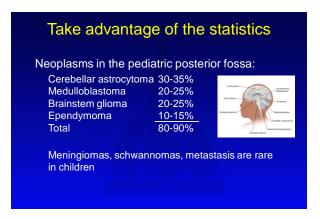


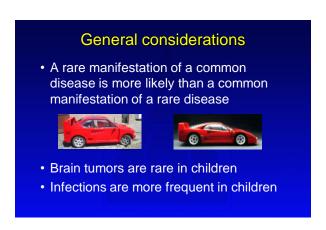




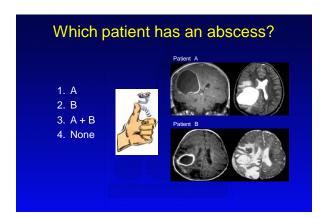


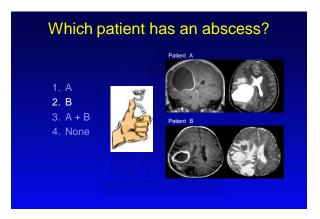


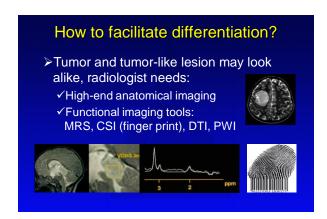


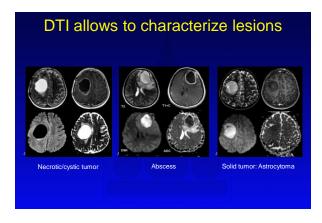


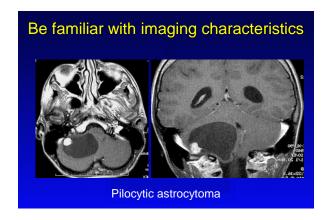


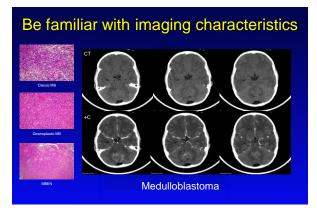


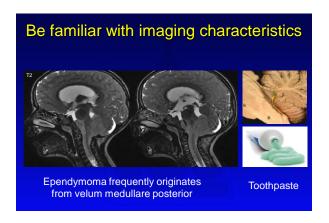


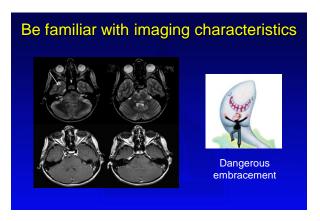
















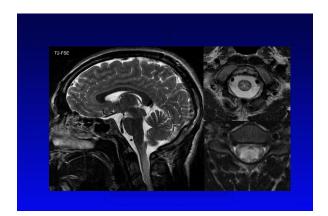


## Combine clinical information and "Look at the periphery of the film" • Young adolescent with recurrent history of headache

 Medical history relevant for: cystadenoma of the epididymis, and multiple pancreatic cysts

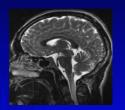
• Multiple MRI studies of the head were "normal".

Diagnosis?



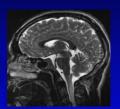
#### What is your most likely diagnosis?

- 1. Transverse myelitis
- 2. Longitudinal myelitis
- 3. ADEM
- 4. Spinal cord neoplasm
- 5. MS
- 6. Hydromyelia



#### What is your most likely diagnosis?

- Transverse myelitis
- 2. Longitudinal myelitis
- 3 ADEM
- 4. Spinal cord neoplasm
- 5 MS
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#### What is your most likely diagnosis?

- 1. Tuberous sclerosis complex
- 2. Sturge Weber Dimitri syndrome
- 3. Von Hippel Lindau syndrome
- 4. Von Recklinghausen disease
- 5. Meckel Gruber syndrome



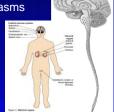
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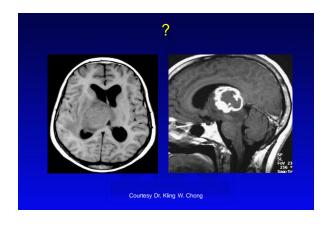
#### Know where to look for

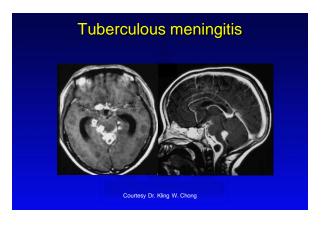
- · Hemangioblastoma in VHL
- 1-7% of all spinal cord neoplasms
- Intramedullary, extension to intra- and extradural space
- Slowly growing
- Mostly solitary
- Multiple in von Hippel-Lindau

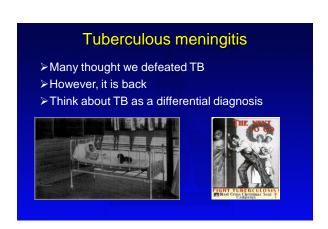


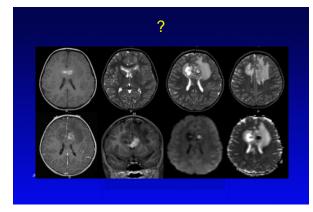
### What other kind of "Tumor-like" lesions should be considered?

- –Infection (next to asbcess)
- -Hemorrhage/Ischemia
- -Tumefactive demyelination
- -Phakomatoses, Hamartoma
- -Treatment (radiotherapy)
- Metabolic disorders
- -,....

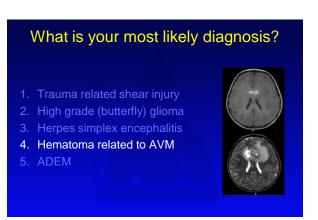


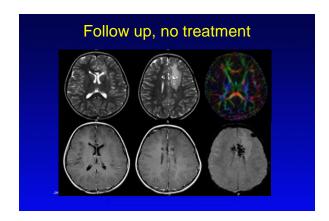


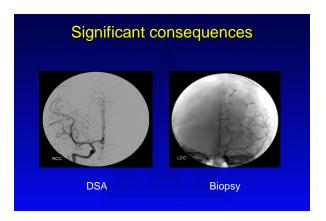


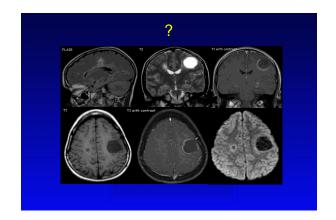


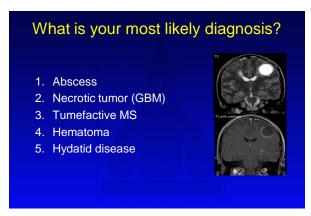
# What is your most likely diagnosis? Trauma related shear injury High grade (butterfly) glioma Herpes simplex encephalitis Hematoma related to AVM ADEM

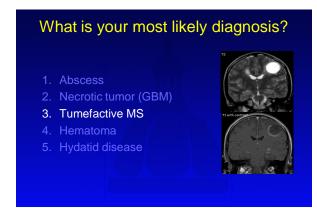


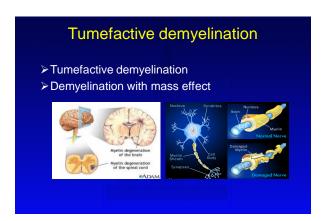


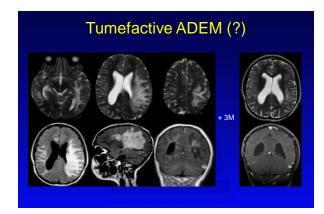


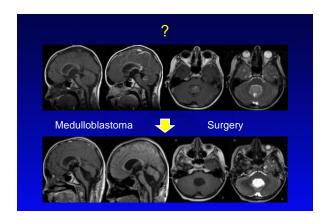


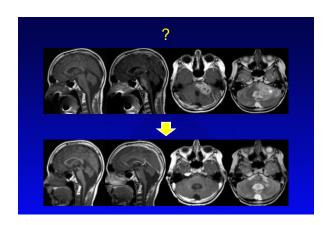




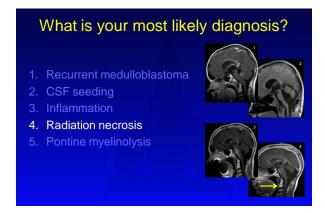












#### **Summary**

- · Be prepared for the unexpected
- Consider non-neoplastic etiologies
- Use high resolution anatomical and functional techniques
- Correlate with clinical history, findings, follow up, and treatment
- Rare presentation of a common disease is more frequent than the common presentation of a rare disease

