

Suprasellar Teratoma

Joseph Junewick, MD FACR

07/06/2009

History

Teenage female with headache.

Diagnosis

Suprasellar Teratoma

Additional Clinical

CSF cytology-small mature lymphocytes; no malignant cells.

CSF beta hCG-0.9 IU/L (normal <1.5 IU/L).

AFP-2.1 ng/L

Discussion

Intracranial teratomas are rare, accounting for ~ 0.5% of primary intracranial tumors. Teratomas are more common in children and males.

Intracranial teratomas are most common in the pineal gland or peripineal region followed by the floor of the 3rd ventricle and posterior fossa. Most teratomas are benign and characterized as a well-circumscribed mass, containing calcification and fat.

Clinical presentation depends upon size and location of the tumor. Hydrocephalus is the most common presenting sign.

Findings

MR-Mixed, predominantly hyperintense T1 mass posterior to the pituitary stalk with chemical shift artifact on T2.

CT-Sharply marginated calcium and fat containing mass.

Reference

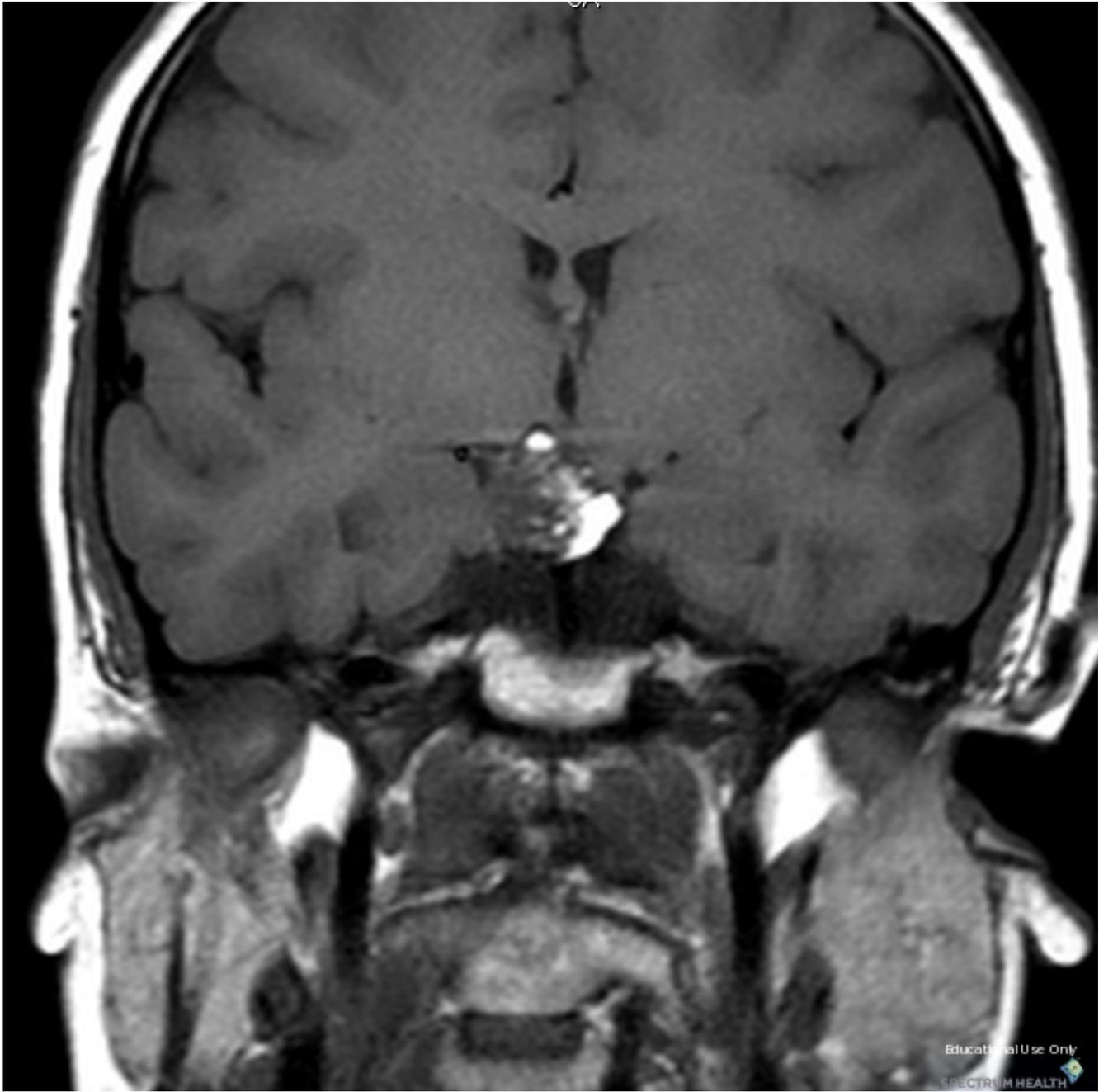
Fujimaki T, et al. CT and MRI Features of Intracranial Germ Cell Tumors. J Neuro-Oncol (1994); 19(3):217-226.

S

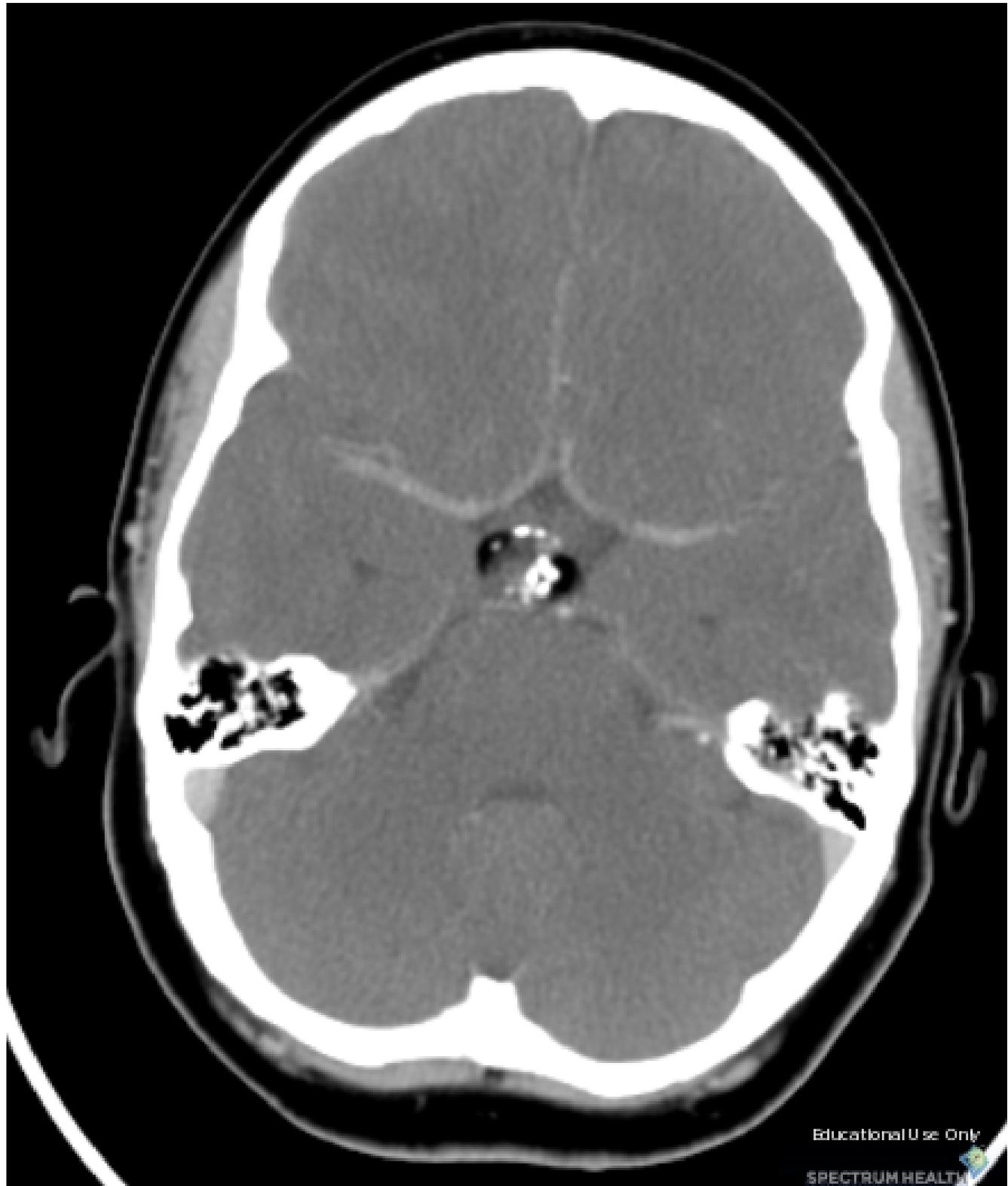


Educational Use Only
SPECTRUMHEALTH





Educational Use Only
SPECTRUM HEALTH



Sponsored By



Disclaimer

This teaching site is partially funded by an educational grant from GE Healthcare and Advanced Radiology Services, PC. The material on this site is independently controlled by Advanced Radiology Services, PC, and GE Healthcare and Spectrum Health have no influence over the content of this site
Content Download Agreement

The cases and images on this website are owned by Spectrum Health. Permission is granted (for nonprofit educational purposes) to download and print materials to distribute for the purpose of facilitating the education of health professionals. The authors retain all rights to the material and users are requested to acknowledge the source of the material.

Site Disclaimer

This site is developed to reach healthcare professionals and medical students. Nothing this site should be considered medical advice.

Only your own doctor can help you make decisions about your medical care. If you have a specific medical question or are seeking medical care, please contact your physician.

The information in this website is provided for general medical education purposes only and is not meant to substitute for the independent medical judgment of a physician relative to diagnostic and treatment options of a specific medical condition.

The viewpoints expressed in these cases are those of the authors. They do not represent an endorsement. In no event will Advanced Radiology Associates, PC, Spectrum Health Hospitals (Helen DeVos Children's Hospital) or GE Healthcare be liable for any decision made or action taken in reliance upon the information provided through this website.