Teaching NeuroImages: Giant fetal arachnoid cyst with favorable neurologic outcome

A 29-year-old woman was referred after an ultrasound at 24 weeks' gestation demonstrated a 1.8-cm intracranial cyst. Fetal MRI\(^1\) at 29 weeks (figure 1) showed a large cyst anterior to the brainstem measuring 3.4 \(\times\) 1.7 cm with associated mass effect. Postnatal MRI at age 11 months (figure 2) confirmed the large suprasellar-prepontine arachnoid cyst (SPAC) with mass effect on the brainstem. Neurologic examination at age 17 months revealed no gross neurodevelopmental deficits and no intervention was required. SPACs comprise 5%–12% of arachnoid cysts and are often symptomatic, with signs of hydrocephalus or mass effect, and may require surgery.\(^2\)

**AUTHOR CONTRIBUTIONS**

Dr. Sanapo designed and drafted the article. Dr. Bartolini contributed to the design and drafting of the article. Dr. Chang contributed to the design of the article and reviewed the manuscript. Dr. Vezina contributed to the design of the article, reviewed the manuscript, and interpreted the fetal and postnatal MRI.

---

Go to Neurology.org for full disclosures. Funding information and disclosures deemed relevant by the authors, if any, are provided at the end of the article.
STUDY FUNDING
No targeted funding reported.

DISCLOSURE
L. Sanapo reports no disclosures relevant to the manuscript. L. Bartolini is a member of the editorial team, Resident & Fellow Section, *Neurology*. T. Chang and G. Vezina report no disclosures relevant to the manuscript. Go to Neurology.org for full disclosures.

REFERENCES

Teaching NeuroImages: Giant fetal arachnoid cyst with favorable neurologic outcome
Laura Sanapo, Luca Bartolini, Taeun Chang, et al.
Neurology 2015;84;e160-e161
DOI 10.1212/WNL.0000000000001596

This information is current as of May 18, 2015

Updated Information & Services
including high resolution figures, can be found at:
http://n.neurology.org/content/84/20/e160.full

Supplementary Material
Supplementary material can be found at:
http://n.neurology.org/content/suppl/2015/05/16/WNL.0000000000001596.DC1

References
This article cites 2 articles, 0 of which you can access for free at:
http://n.neurology.org/content/84/20/e160.full#ref-list-1

Subspecialty Collections
This article, along with others on similar topics, appears in the following collection(s):
All Pediatric
http://n.neurology.org/cgi/collection/all_pediatric
MRI
http://n.neurology.org/cgi/collection/mri

Permissions & Licensing
Information about reproducing this article in parts (figures,tables) or in its entirety can be found online at:
http://www.neurology.org/about/about_the_journal#permissions

Reprints
Information about ordering reprints can be found online:
http://n.neurology.org/subscribers/advertise