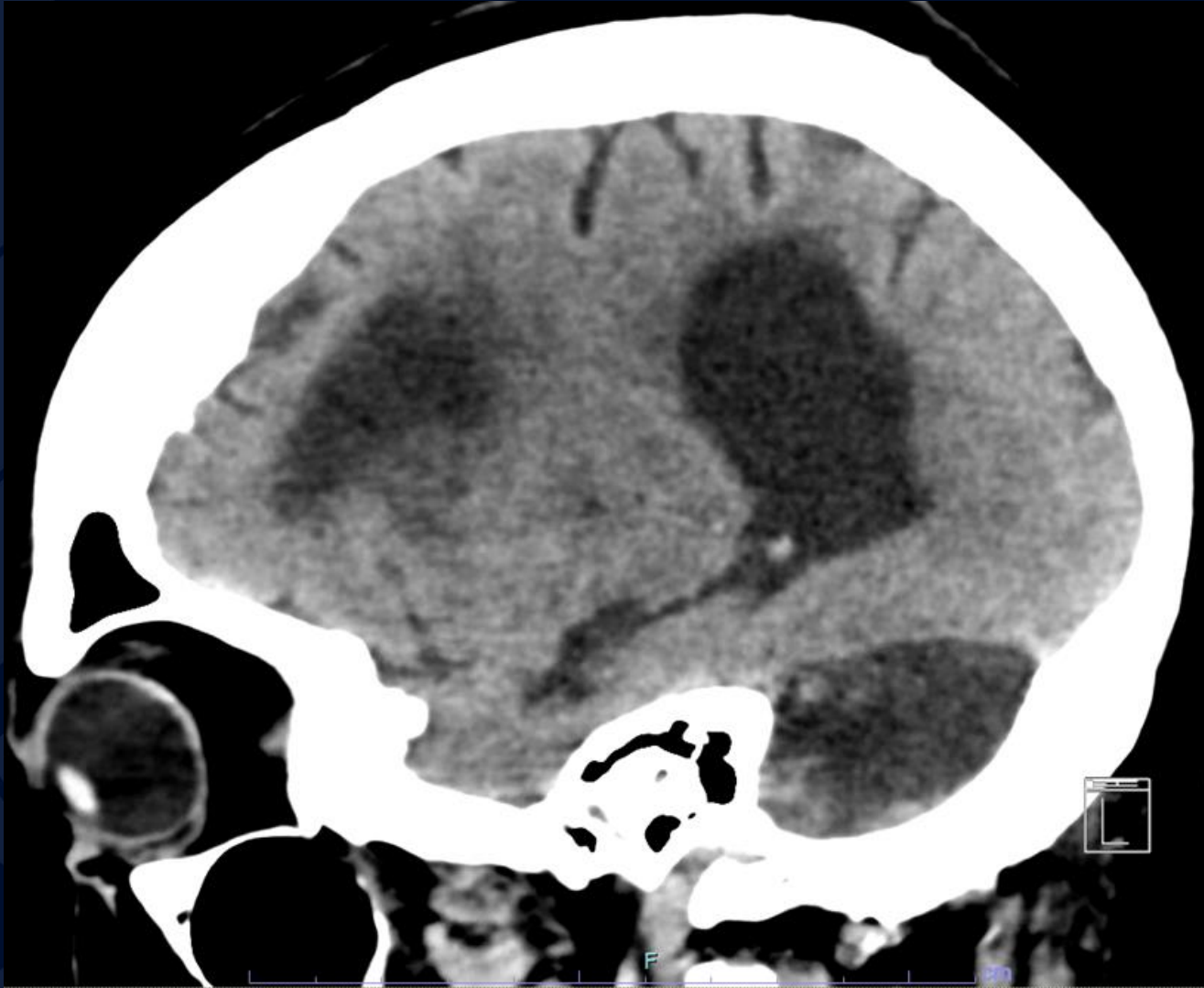


57 y/o female with a H/O
developmental delay, hypotonia,
& ataxia during infancy.
Presenting with headache.

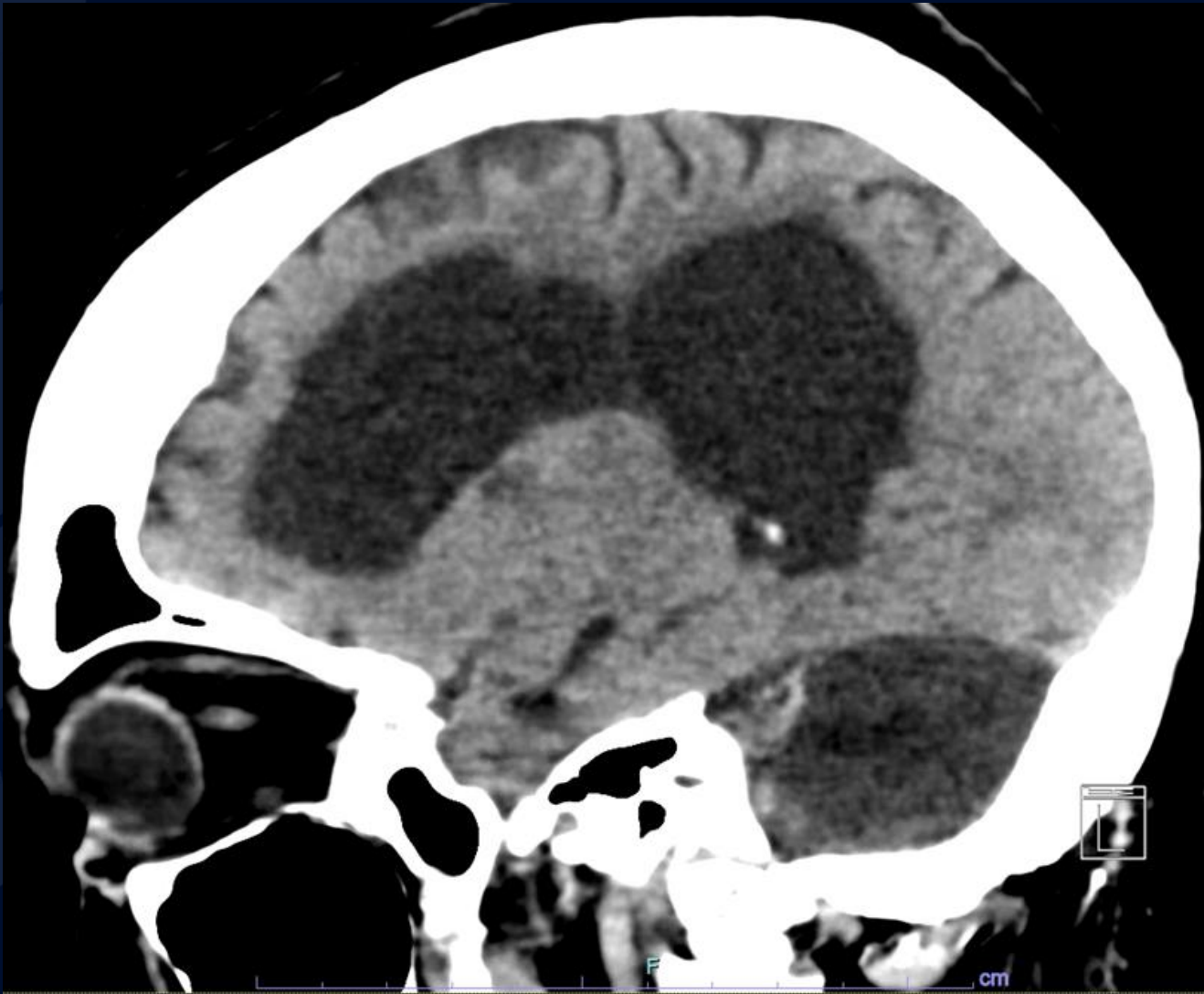
Carolina Vicens-Cardona, MD

Brad Kincaid, MD

CT Head
Non-Contrast



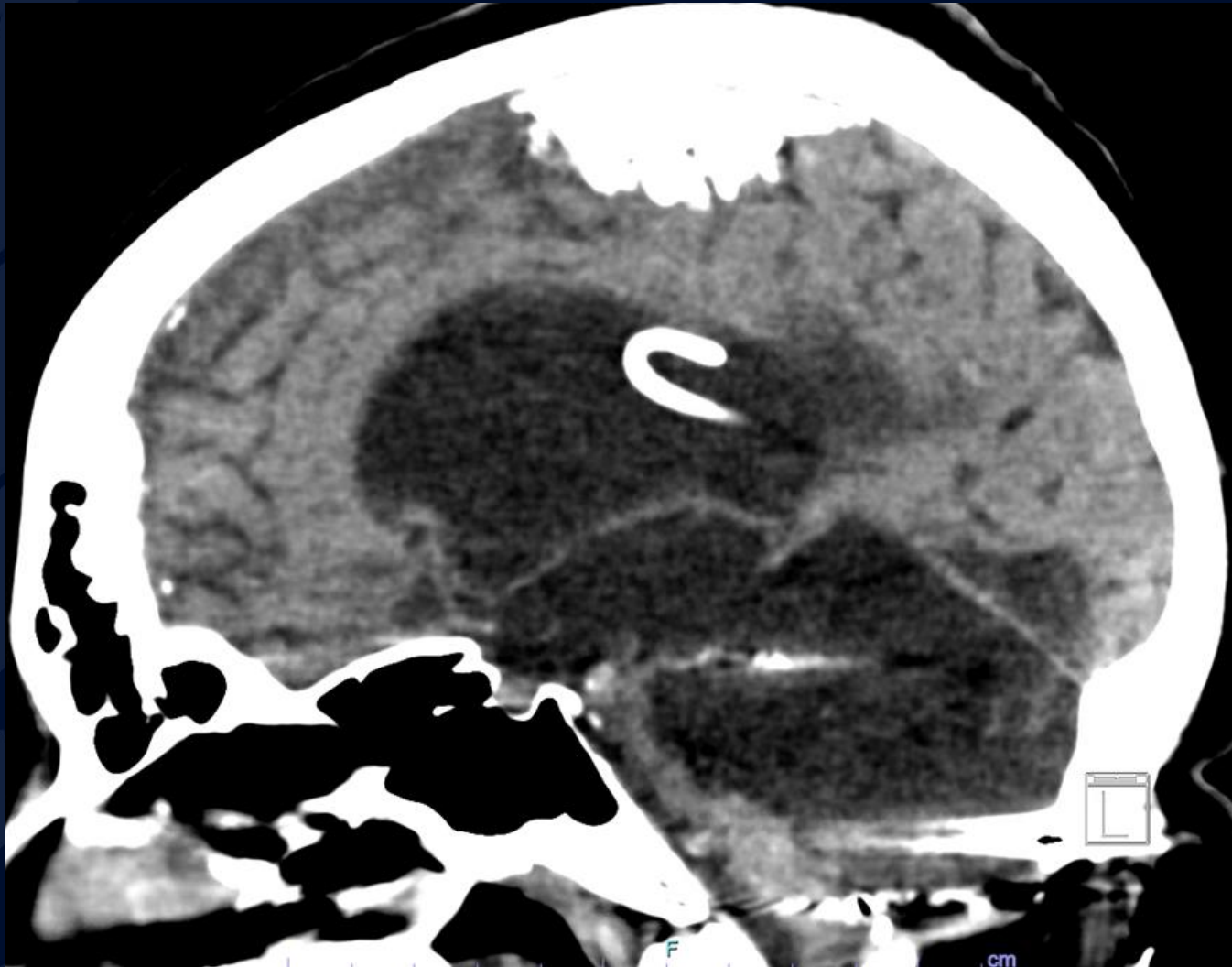
CT Head
Non-Contrast



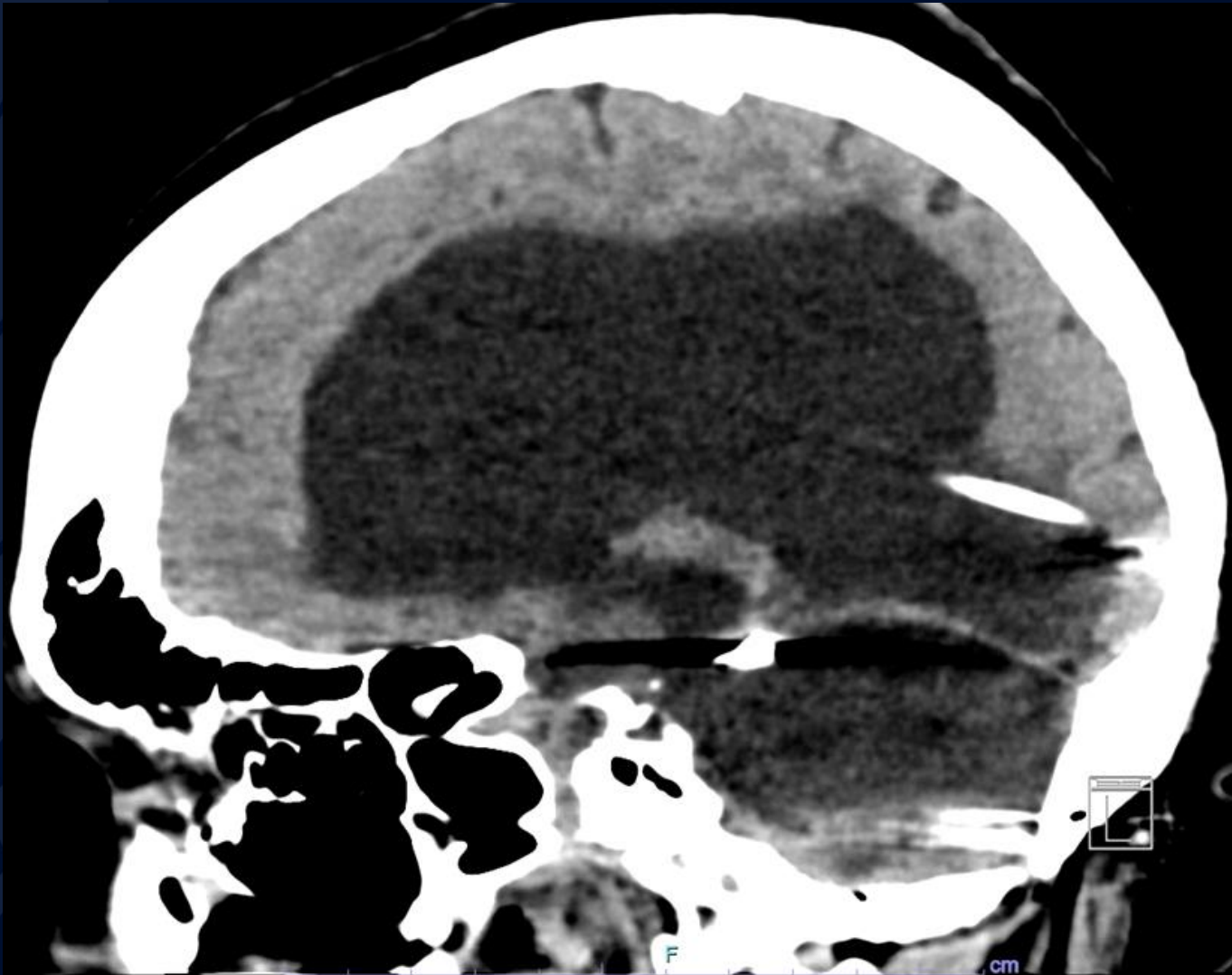
CT Head
Non-Contrast



CT Head
Non-Contrast



CT Head
Non-Contrast



CT Head
Non-Contrast



CT Head
Non-Contrast



CT Head
Non-Contrast



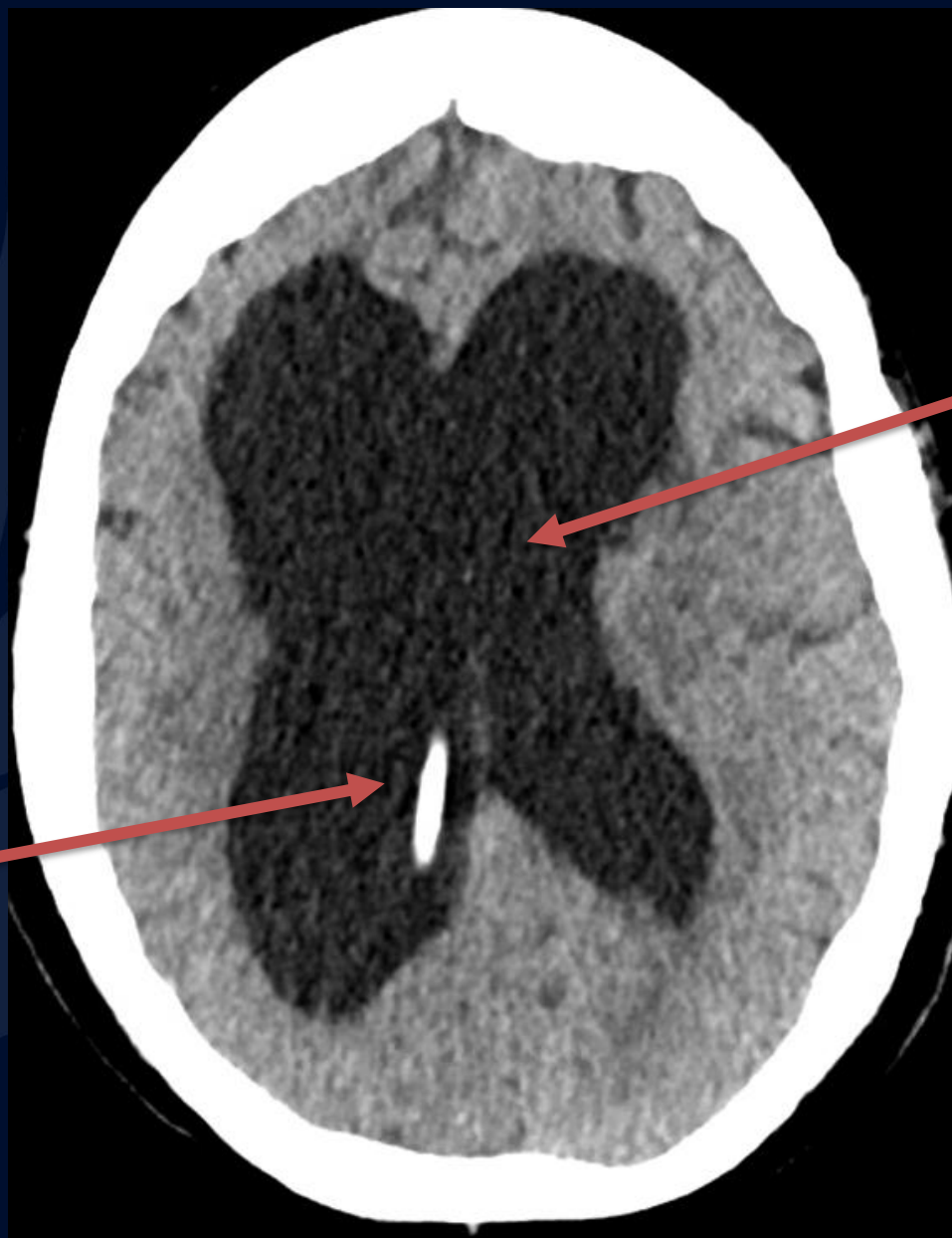


A large, stylized oak leaf graphic in a dark blue color, positioned on the left side of the slide, partially overlapping the text.

Dandy Walker Malformation s/p Ventriculoperitoneal Shunting

CT Head
Non-Contrast

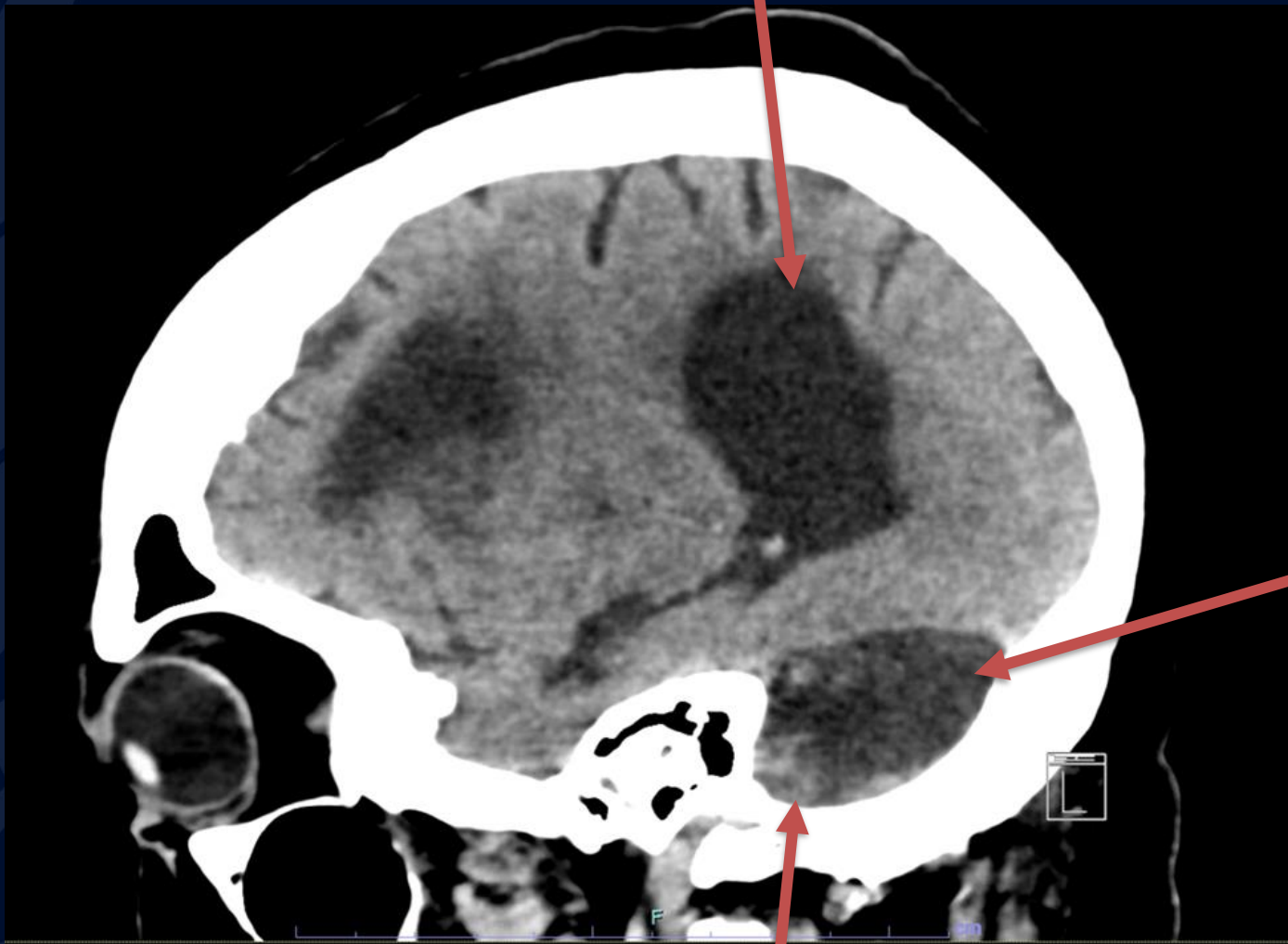
Hydrocephalic
lateral
ventricle



Ventriculoperitoneal
Shunt

Dilation of lateral ventricle

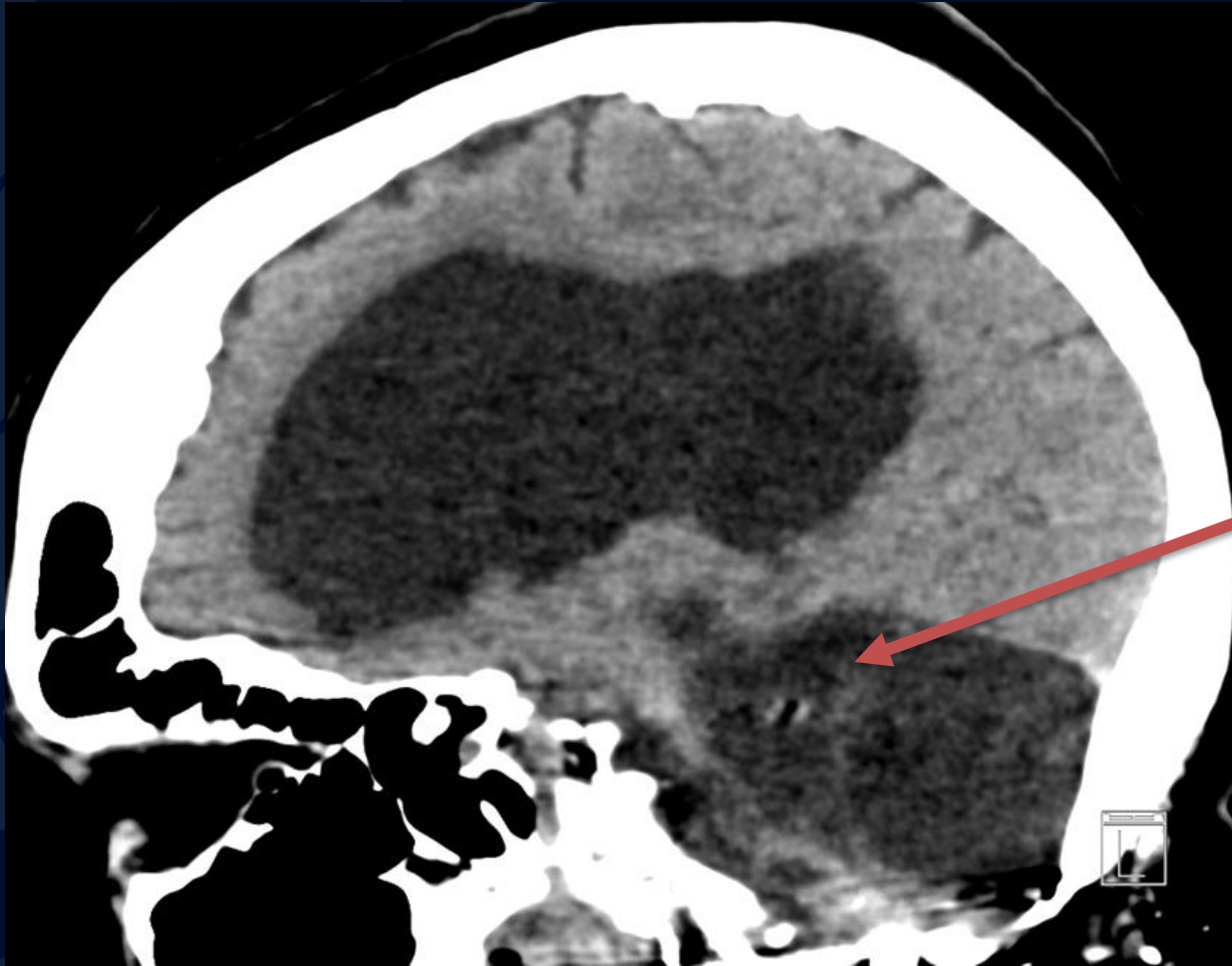
CT Head
Non-Contrast



Cystic
dilatation of
4th ventricle

Hypoplasia of cerebellar vermis

CT Head
Non-Contrast



Cystic
dilatation of
4th ventricle

Dandy Walker Malformation

Triad of:

- Hypoplasia of the cerebellar vermis & rotation of vermian remnant
- Cystic dilatation of the fourth ventricle extending posteriorly
- Enlarged posterior fossa

Epidemiology:

- Most common posterior fossa malformation
- 1 in 30,000 births

Etiology:

- Chromosomal abnormalities, prenatal exposure to viral illness, maternal diabetes

Dandy Walker Malformation

Clinical presentation:

- Usually presents in 1st year of life
- Symptoms of hydrocephalus
- Developmental delay, hypotonia, ataxia

Diagnosis:

- Level II prenatal ultrasound in 2nd or 3rd trimester
- Fetal MRI can confirm diagnosis

Treatment:

- Surgical: fluid drainage via a ventriculoperitoneal shunt if necessary

References

1. Mahmoud El-Feky, M. et al. Dandy-Walker malformation. Radiopaedia.org. <https://radiopaedia.org/articles/dandy-walker-malformation-1?lang=us>
2. Dandy Walker Malformation. UptoDate. https://www.uptodate-com.online.uhc.edu/contents/prenatal-diagnosis-of-cns-anomalies-other-than-neural-tube-defects-and-ventriculomegaly?search=dandy%20walker%20malformation§ionRank=1&usage_type=default&anchor=H2885438446&source=machineLearning&selectedTitle=1~18&display_rank=1#H2885438446
3. Cardona, C., Kincaid, B. Dandy Walker Malformation. Radiology Online 2020. University of Connecticut Health.