

Nervous System



Epidural Hematoma

Chief Complain:

This is a CT scan of a patient came complaining of headache associated with nausea and vomiting.



Questions

Indications

Questions about the scan

What does this scan show ?

Epidural hematoma

What's the treatment ?

Remove the blood surgically to reduce the pressure.

What type of surgery?

Burr hole/craniotomy

How to differentiate between epidural and subdural hematoma

	Epidura	Subdural
blood collection	between inner table and dura	between dura and arachnoid
shape hematoma	Biconvex (lentiform)	Crescent shape
site hematoma	Occur at site of impact	Cross sutures, but not dural attachments
tentorium falx and	Can cross falx and tentorium	May extend along falx and tentorium

Hematoma type	Epidural	Subdural
	Between the skull and the outer endosteal layer of the dura mater	Between the <i>dura</i> and the arachnoid
Location		
Involved vessel	<ul style="list-style-type: none"> • Temporoparietal locus (most likely) - Middle Meningeal Artery • Frontal locus - anterior ethmoidal artery • Occipital locus - transverse or sigmoid sinuses • Vertex locus - superior sagittal sinus 	Bridging veins (drain brain to dural sinuses)
Symptoms	Lucid interval followed by unconsciousness → "talk & die" sd	Gradually increasing headache and confusion
CT appearance	Biconvex lens 	Crescent-shaped