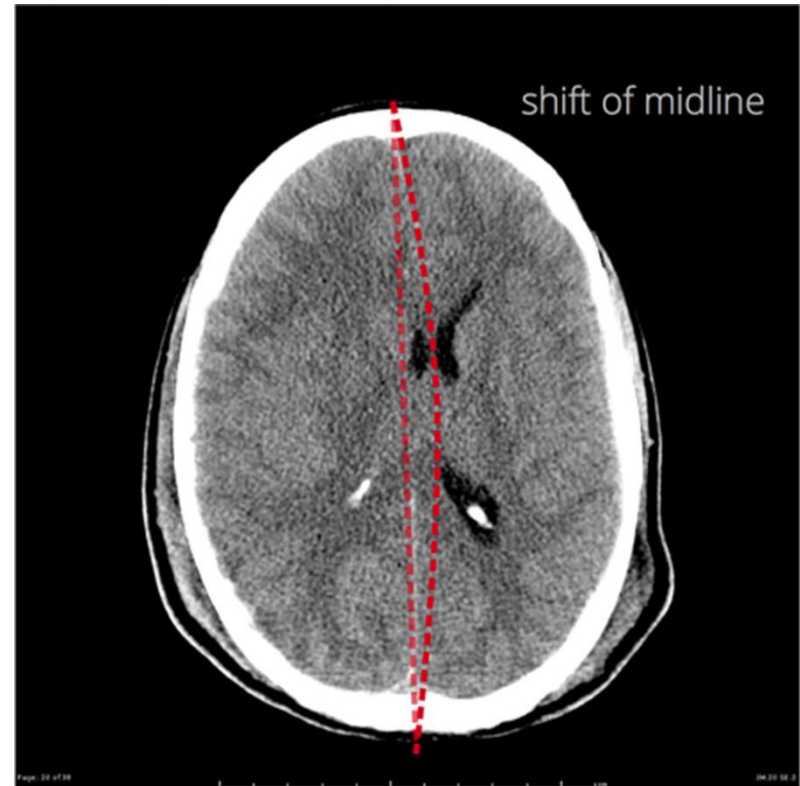


Some of the considerable landmark of Brain Imaging

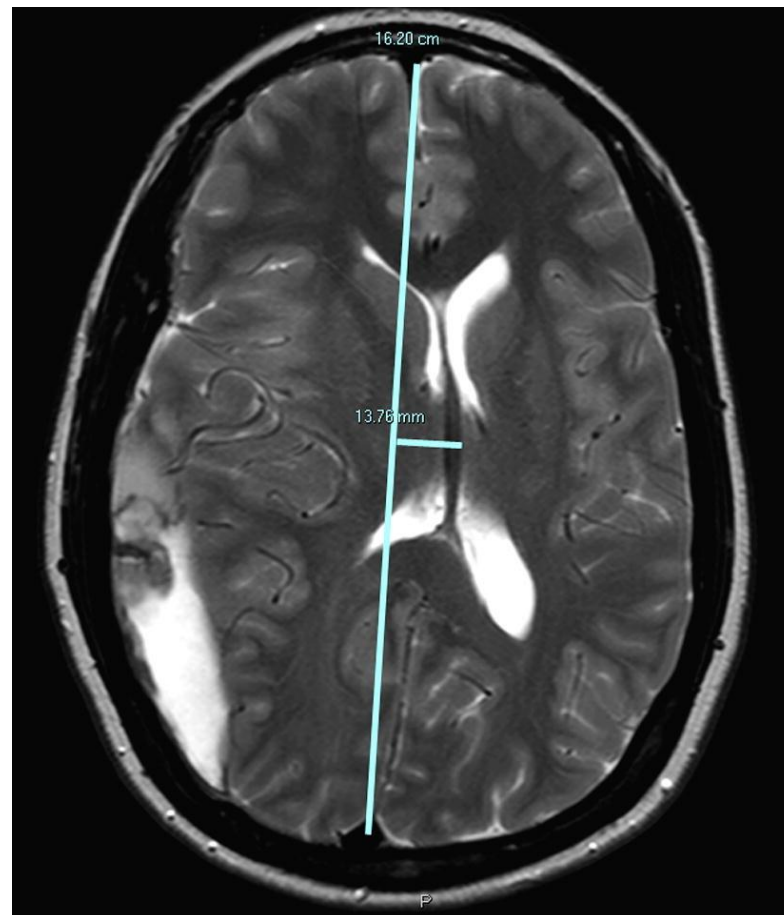
Part 1

MLS

- Midline shift (MLS) of the brain is an important feature that can be measured using various imaging modalities including X-ray, ultrasound, computed tomography, and magnetic resonance imaging.
- **Shift of midline intracranial structures helps diagnosing intracranial lesions, especially traumatic brain injury, stroke, brain tumor, and abscess.**



- Being a sign of increased intracranial pressure, MLS is also an indicator of reduced brain perfusion caused by an intracranial mass or mass effect.



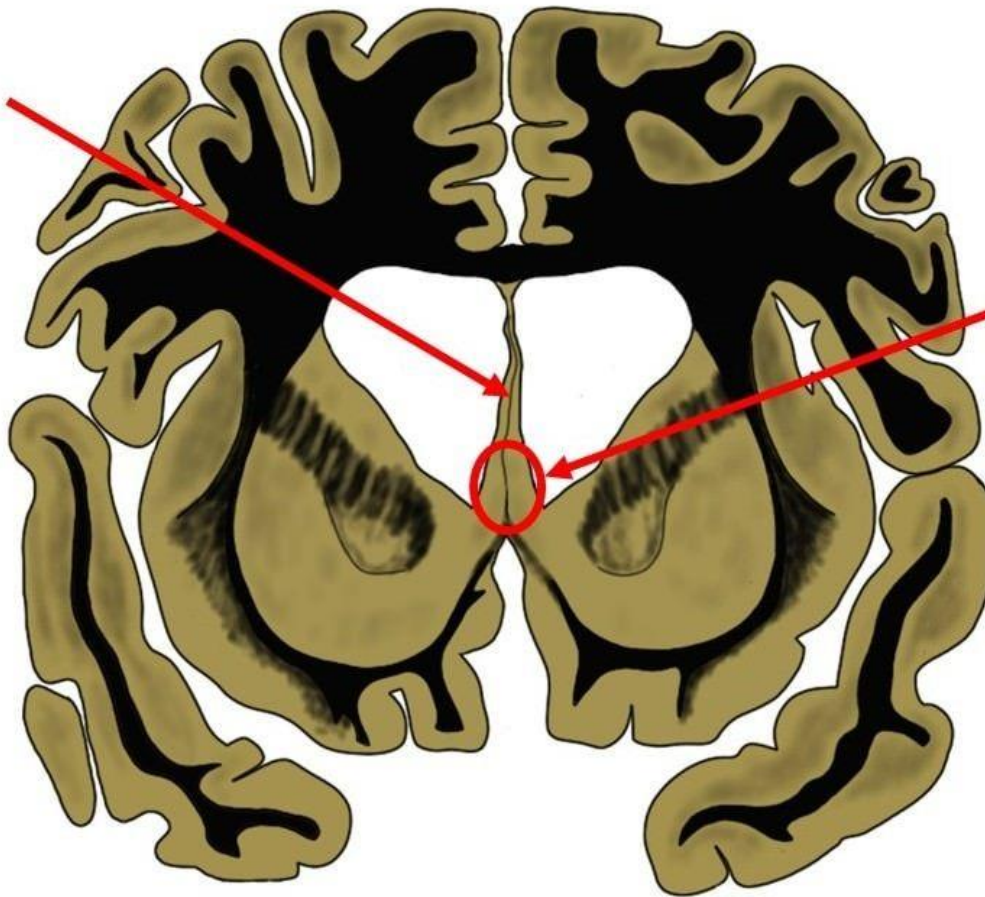
- **Three main structures are commonly investigated when measuring midline shift:**

1. **The septum pellucidum**

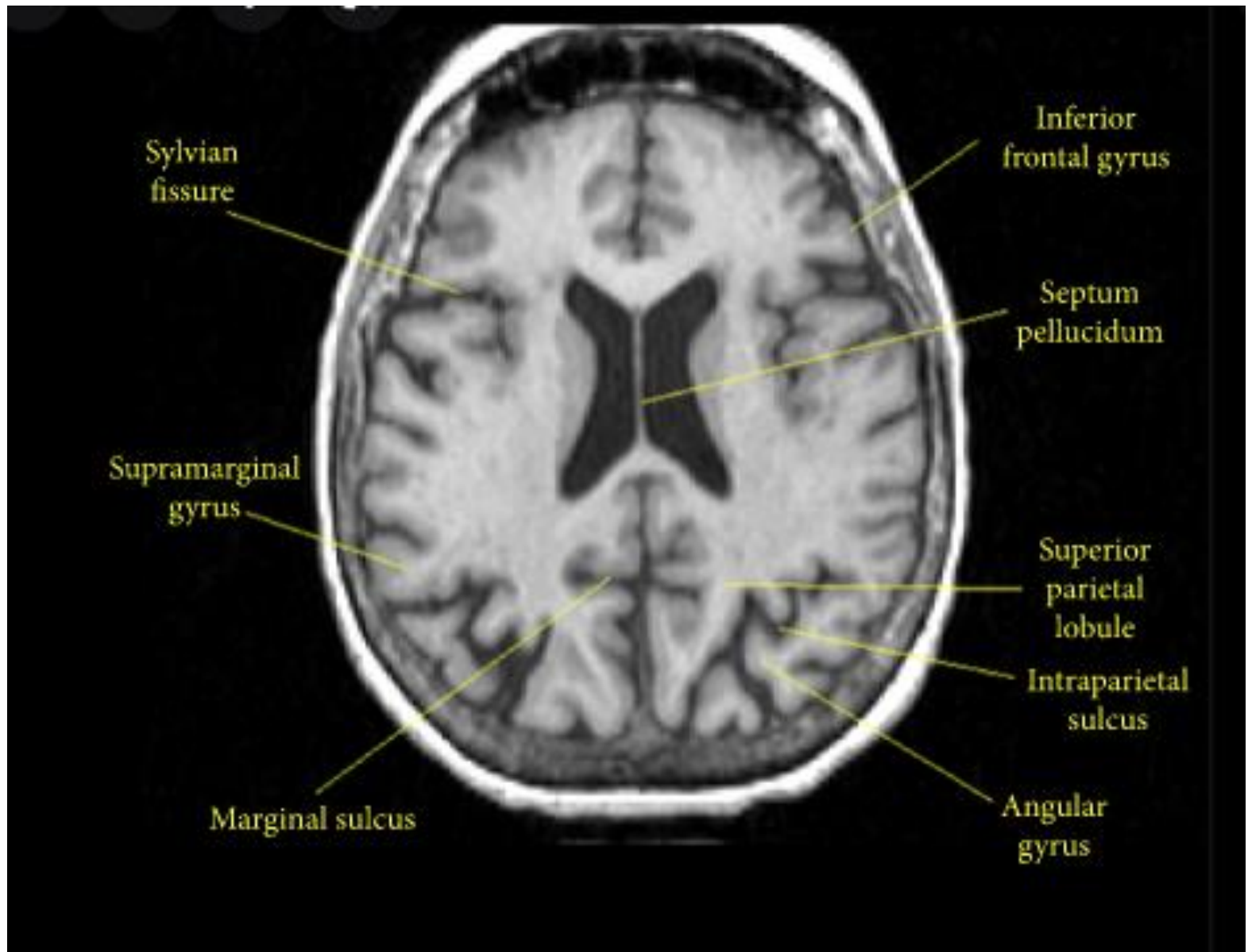
2. **The third ventricle**

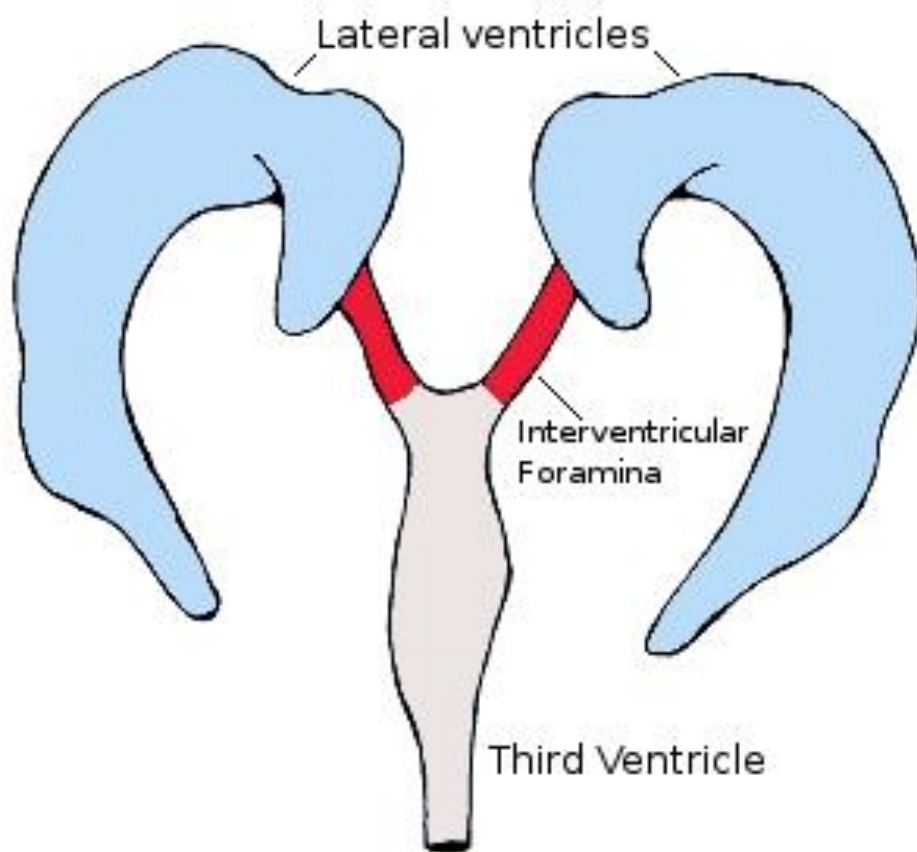
3. **The pineal gland**

SEPTUM
PELLUCIDUM



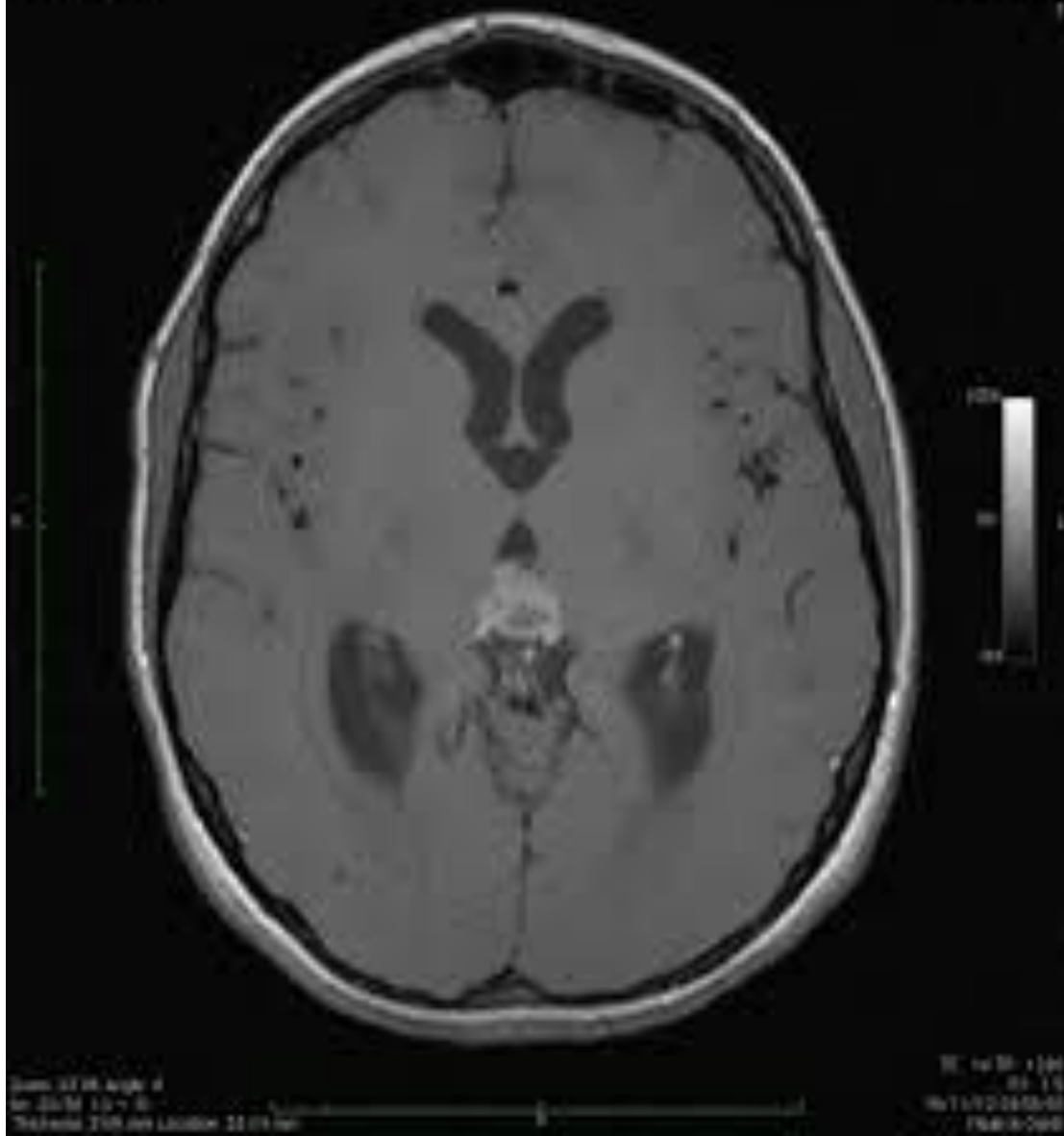
SEPTAL
NUCLEI





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