

Parturient with New-Onset Seizure and Intracranial Meningioma

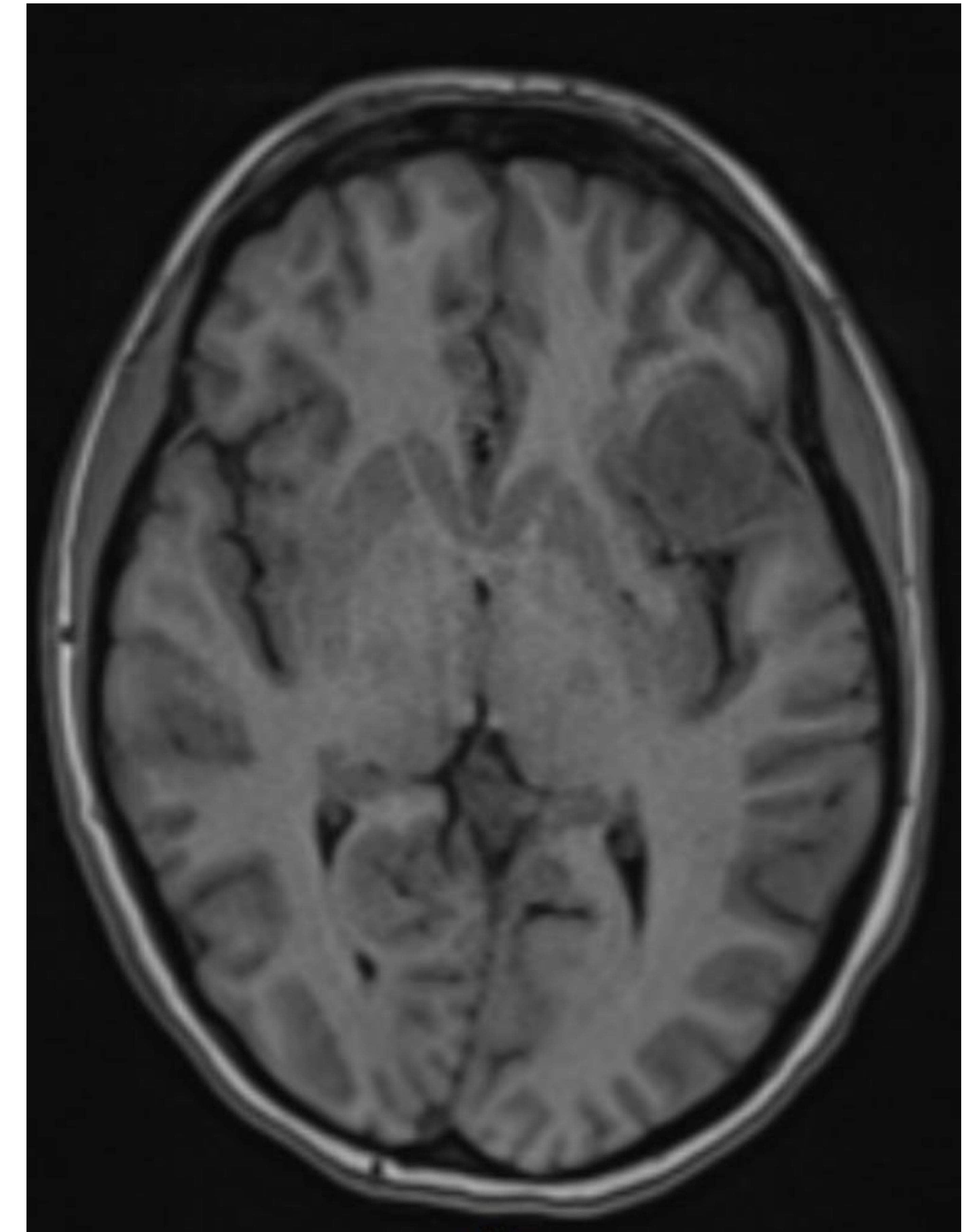
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- New onset seizure during pregnancy --> Eclampsia
- Differential diagnosis
 - Seizure disorder
 - Metabolic derangements
 - Venous sinus thrombosis
 - Intracranial hemorrhage
 - Embolic stroke
 - Infection
 - Tumor
- Perinatal care
 - Complex with competing goals
 - Multidisciplinary approach is ideal



Case: 37 yo G3P2002

- Generalized seizure at home @ 34w2d
- Initial systolic BP in 170s in ED
- PMH: pre-eclampsia in G1, previous CD x1
- Intracranial mass - 37 mm meningioma
- Magnesium therapy initiated
- Transferred to L&D for urgent cesarean delivery
- Anesthesia plan:
 - Multidisciplinary discussion
 - Weigh risks/benefits
 - Single shot spinal



Teaching Points: Intracranial pathology

- Multidisciplinary team, shared decision making
 - Neurosurgery & Neurology
 - Obstetricians & Anesthesiology
 - Patient
- Weigh risks/benefits
- General anesthesia:
 - ↑ ICP with laryngoscopy
 - Airway management in OB
- Neuraxial techniques:
 - Risk of dural puncture
 - Risk of herniation
 - Utilize ultrasound
 - Experienced provider

