

## Extended Endoscopic

# Endonasal Approach for Resection of Parasellar/Suprasellar Epidermoid Cyst

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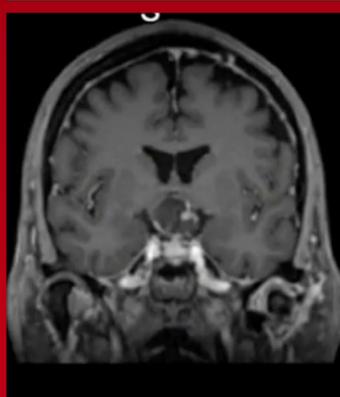
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### Patient Presentation and Neurologic Exam

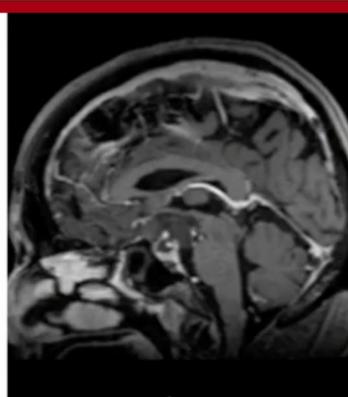
- 62-year-old female
- Complaints of several months of vision loss in her left eye with only partial light perception remaining
- Endorses bilateral nasal congestion
- Consistently uses nasal corticosteroid and saline spray
- Denies consistent facial pressure or thick nasal discharge
- Neurologic exam fully intact except for left visual acuity being light perception only

### Preoperative Neuro-imaging Findings

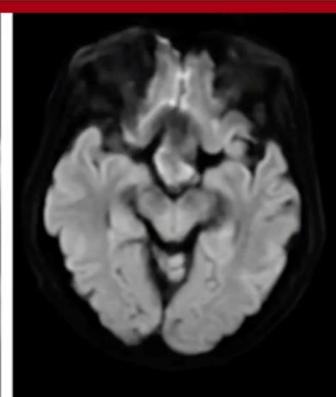
- MRI demonstrated a cystic suprasellar mass with heterogeneous contrast enhancement
- Lesion extends from over the planum sphenoidale to the interpeduncular cistern with compression of the optic apparatus



Coronal T1 post contrast



Sagittal T1 post contrast



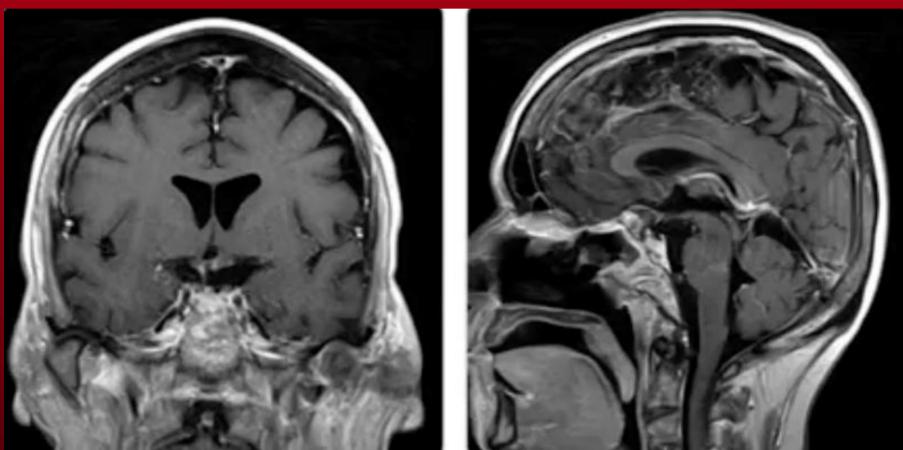
Axial DWI

### Patient Positioning



### Post-operative Neuro-imaging Findings

- No residual tumor or enhancement
- Fat graft apparent



### Key Surgical Steps

1. Nasal preparation
2. Sphenoidotomy
3. Exposure of sella and and suprasellar region
4. Dural opening
5. Cyst decompression and dissection
6. Capsule removal
7. Skull base reconstruction
8. Closure
9. Placement of lumbar drain

### Patient Outcome

- The patient is now living in a post-operative rehabilitation facility
- On follow up, she endorses stable vision and an improved appetite

### Acknowledgments

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