Learning Objectives

1. Demonstrate a good differential diagnosis for sellar/suprasellar lesions
2. Describe the typical presenting clinical symptoms and exam findings for a patient with a large, non-functioning pituitary adenoma.
3. Compare and contrast the imaging findings between a pituitary adenoma, Rathke’s Cleft cyst, meningioma, and craniopharyngioma
4. Formulate a list of the treatment options for patients with sellar/suprasellar lesions and the typical indications for surgery
5. Describe the perioperative care for patients undergoing surgery for pituitary adenomas
6. Differentiate the clinical presentation and imaging findings between a pituitary adenoma and pituitary apoplexy
7. Identify the optic chiasm and infundibulum on an MRI and intraoperative photo
8. Demonstrate a brief understanding of some of the contraindications for the endoscopic endonasal approach
9. Describe the rare complications that can occur after endoscopic endonasal skull base surgery