

## AB115. SOH21AS103. Endoscopic trans-sphenoidal tumour resection: a single institution experience

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**Background:** Endoscopic trans-sphenoidal surgery represents a safe, effective and minimally invasive alternative to open surgery in the management of sellar and parasellar lesions. These cases are often best managed with a multidisciplinary approach involving close collaboration between ENT and neurosurgeons.

**Methods:** We describe 30 consecutive cases of patients who underwent endonasal trans-sphenoidal surgery for pituitary tumours over one year at a single tertiary referral centre with a combined ENT and Neurosurgical approach.

**Results:** Among the 30 patients with skull base lesions, 25 had pituitary tumours of which 20 were macroadenomas and 24 were microadenomas. 3 were craniopharyngiomas and 2 Rathke’s pouch cysts. We encountered minor CSF leaks in 20 patients and they were sealed with DuraSeal intraoperatively. Reconstruction was done with fat plug with fibrillar and Hadad flap.

**Conclusions:** Endoscopic Trans-sphenoidal surgery

involving close collaboration between ENT and neurosurgeons represents a safe and effective treatment for patients with pituitary tumours.

**Keywords:** Endoscopic; minimally invasive; pituitary; tumour; trans-sphenoidal

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### Footnote

*Conflicts of Interest:* The authors have no conflicts of interest to declare.

*Ethical Statement:* The authors are accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

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