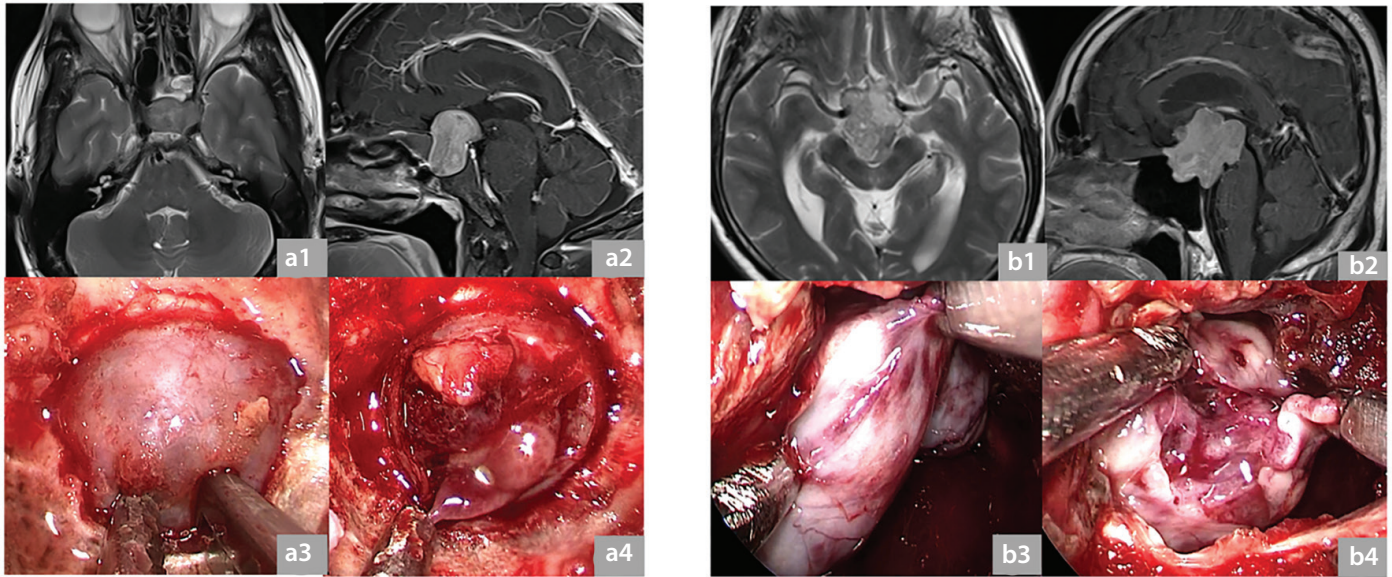




Supplementary Figure 1. Preoperative magnetic resonance imaging (MRI) features and intraoperative findings of soft- and hard-consistency pituitary macroadenomas (PMAs). Comparison of MRI characteristics and intraoperative appearances between a soft-consistency (left panel, a1–a4) and a hard-consistency (right panel, b1–b4) PMA.

a1) Preoperative axial T2-weighted MRI of a soft-consistency PMA showing a relatively homogeneous, hyperintense signal.

a2) Sagittal contrast-enhanced T1-weighted MRI demonstrates moderate and uniform enhancement of the soft tumor.

a3–a4) Intraoperative endoscopic views reveal a friable, soft tumor easily aspirated using suction, with clear dissection planes and complete resection achieved.

b1) Axial T2-weighted MRI of a firm-consistency PMA showing heterogeneous or hypointense signal, suggestive of dense tumor tissue.

b2) Sagittal contrast-enhanced T1-weighted MRI shows irregular enhancement with lobulated tumor borders.

b3–b4) Intraoperative views illustrate a tough, fibrous tumor requiring sharp dissection with curettes and microscissors; subtotal resection was achieved due to poor tumor pliability.