

# A Case of Craniopharyngioma Successfully Resected via an Endoscope-Assisted Extended Transsphenoidal Approach

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**Abstract :** A 53-year-old man presented with headaches and visual disturbance in the left eye. Endocrinological examination revealed slight anterior pituitary dysfunction. Brain magnetic resonance imaging (MRI) showed a suprasellar mass with a cystic component revealing signal hyperintensity on T1- and T2-weighted imaging, and containing a solid component. An extended transsphenoidal approach assisted with endoscope was performed and the tumor was totally resected. Pathological diagnosis was craniopharyngioma. We believe that the extended transsphenoidal approach is safe and effective when confined to suprasellar tumors such as craniopharyngioma without lateral tumor extension.

**Key words :** Extended transsphenoidal approach, Endoscope, Craniopharyngioma, Visual disturbance