

Planum sphenoidale meningioma

J.Sales-Llopis

Neurosurgery Service, Alicante University General Hospital, Alicante, Spain.

Latest Planum sphenoidale meningioma PubMed-related articles

- [Impact of Tumor Characteristics on Endoscopic Endonasal Approach to Tuberculum Sellae and Planum Sphenoidale Meningiomas: Single Center Experience](#)
 - [Clinical and radiological presentation of meningiomas](#)
 - [Characteristics of optic canal invasion in the large midline non-tuberculum sellae anterior skull base meningiomas and the surgical outcomes](#)
 - [Coexisting sellar Rathke cleft cyst and planum sphenoidale meningioma: illustrative case](#)
 - [A Successful Control of the Intraoperative Bleeding from McConnell's Artery during Fully Endoscopic Resection of Planum Sphenoidale Meningioma Using Bone Chip and Bioglue : A Case Report](#)
 - [Transophthalmic Artery Embolization of Anterior Skull Base Meningiomas: Technical Case Series](#)
 - [The Endoscopic L-Shape Approach for Anterior Skull Base Meningiomas with Olfactory Preservation: A Technical Note](#)
 - [Endonasal Route for Tuberculum and Planum Meningiomas](#)
-
-

Planum sphenoidale meningiomas are [anterior skull base meningiomas](#), overlying the area of the [cribriform plate](#) of the [ethmoid bone](#), [sphenofrontal suture](#), and [planum sphenoidale](#).

Arise from the flat part of the [sphenoid bone](#) anterior to the [chiasmatic sulcus](#).

The tumors are usually bilateral based on their midline origin, although they can also be unilateral.

Classification

[Planum sphenoidale meningioma classification](#).

Epidemiology

[Planum sphenoidale meningioma epidemiology](#)

Clinical features

[Planum sphenoidale meningioma clinical features.](#)

Diagnosis

[Planum sphenoidale meningioma diagnosis](#)

Differential diagnosis

[Planum sphenoidale meningioma differential diagnosis.](#)

Treatment

[Planum sphenoidale meningioma treatment](#)

Outcome

[Planum sphenoidale meningioma outcome](#)

Videos

[Planum sphenoidale meningioma videos.](#)

Systematic reviews

[Planum sphenoidale meningioma systematic reviews](#)

Case series

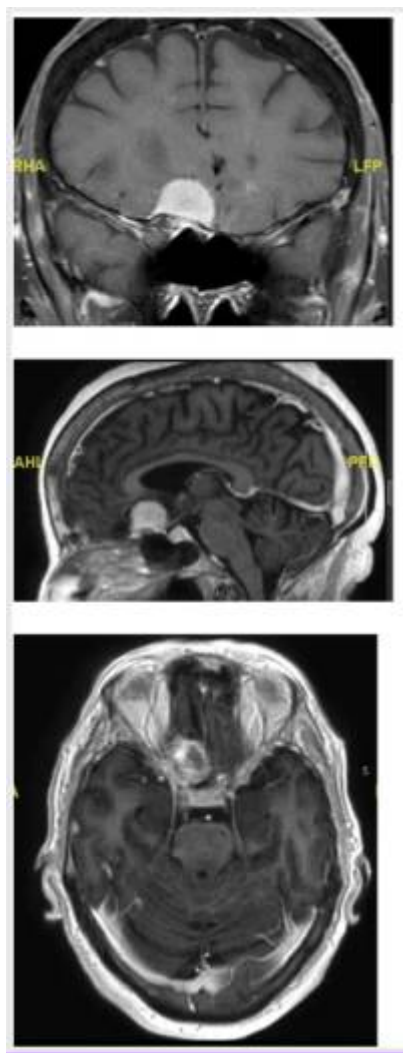
[Planum sphenoidale meningioma case series.](#)

Case reports

Planum sphenoidale meningioma case reports.

General University Hospital of Alicante Cases

A 77-year-old female was referred by [planum sphenoidale meningioma](#) with poorly defined [dizziness](#), [discomfort](#), and [anxiety](#) with an increase in [tremor](#) in the right-hand side and a feeling of [jaw](#) tightness, without loss of consciousness or focal neurological deficits. Upon arrival at the Emergency Department, the symptoms had subsided.



Extra-axial mass located on the right side of the [planum sphenoidale](#) measuring 1.7 x 2.1 x 1.9 cm (CC x AP x TR). This lesion shows intense and homogeneous [contrast enhancement](#), along with associated thickening of the adjacent [dura](#).

It also presents focal [hyperostosis](#) of the [sphenoid bone](#) where it is located and mild hyper [pneumatization](#) of the right [sphenoid sinus](#).

Of note, this lesion has a small intraosseous component in the [sphenoid](#) planum.

Superiorly, it exerts a mass effect on the base of the right [frontal lobe](#), which shows moderate [vasogenic edema](#).

Medially, it contacts the proximal segment A2 of the right [anterior cerebral artery](#), which is displaced

to the left.

Laterally, it is related to the right [anterior clinoid process](#).

Inferiorly, the tumor surrounds the right [internal carotid artery](#) superiorly, medially, and laterally, covering approximately 180° of its circumference. The right internal carotid artery does not show a diminished caliber and retains a normal signal void.

The lesion also contacts the inferior cisternal portion of the right [optic nerve](#), which is displaced inferiorly. There doesn't appear to be contact with the optic chiasm.

Supine position. Right frontal [incision](#) and right [lateral supraorbital craniotomy](#). Papery dura mater that disintegrates when lifting the bone flap.

Access to the optic-carotid cistern is achieved, and the tumor implanted in the sphenoid planum is early identified. The tumor base is coagulated, and following the [arachnoid](#) plane, the tumor [capsule](#) is released from the right [optic nerve](#) with its tail extending over it, the right A1 segment, the optic chiasm, and the [lamina terminalis](#). The lesion is mobilized and removed as a whole.

Arterial bleeding from a pore at the A1-A2 junction requires temporary [clipping](#) of the A1 segment for 2 minutes to facilitate repair with two mini clips in tandem. Pulse of [indocyanine green](#) demonstrates patency of A2 and A1.

Coagulation of the implantation base is performed. The bed is covered with [Spongostan](#). Semi-hermetic closure with [Duragen](#) and [Tachosil](#).

Bone [fixation](#) with mini [plates](#) Subcutaneous closure with absorbable sutures and skin closure with staples.

From:
<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:
https://neurosurgerywiki.com/wiki/doku.php?id=planum_sphenoidale_meningioma

Last update: **2024/06/07 03:00**

