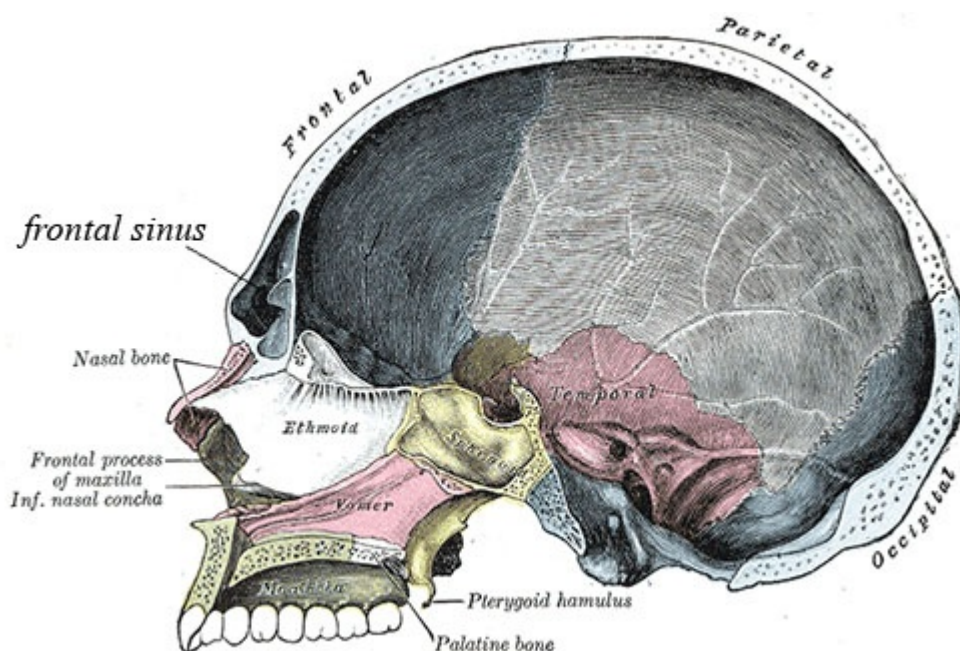


Frontal sinus



- [Surgical and prognostic relevance of supraorbital ethmoid cell involvement in frontal sinus inverted papilloma](#)
- [Bolt gun injury to central forehead, sagittal sinus and frontal lobes: A case report](#)
- [Steroid-eluting stents in challenging frontal sinus surgery: A critical real world experience](#)
- [Familial multiple impacted supernumerary teeth: Case report](#)
- [Oral and maxillofacial manifestations of Pycnodysostosis: a summary of clinical, radiological and cephalometric diagnostic criteria. A systematic review](#)
- [Endoscopic 360° vision of the orbit: A comparative anatomical study of endonasal and transorbital approaches](#)
- [Comparison of Frontal Sinus Dimensions with Different Skeletal Classes and Vertical Patterns: A Retrospective Study](#)
- [Chronic anterior sinus atelectasis due to middle meatus retraction](#)

The frontal sinus is one of the [paranasal sinuses](#)

The frontal [air sinus](#) are situated behind the brow ridges. Sinuses are mucosa-lined airspaces within the bones of the [face](#) and [skull](#). Each opens into the anterior part of the corresponding middle [nasal meatus](#) of the nose through the [frontonasal duct](#) which traverses the anterior part of the labyrinth of the ethmoid. These structures then open into the hiatus semilunaris in the middle meatus.

[Frontal sinus posterior wall.](#)

[Frontal sinus outflow tract.](#)

Morphometry

Knowledge of frontal sinus morphometry is important in [bifrontal craniotomy](#), [pterional craniotomy](#), [orbitozygomatic craniotomy](#), and [supraorbital craniotomy](#). Inadvertent frontal sinus violation can lead to [infection](#), [cerebrospinal fluid fistula](#), and [mucocele](#) formation. In particular, knowledge of anatomy in relation to surgically relevant landmarks can help surgeons perform these procedures more precisely and safely.

Image-guided craniotomies based on 3D volumetric image rendering allow for fast and reliable demarcation of complex anatomical structures hidden from direct view in frontolateral approaches. The outline of the frontal sinus and the [orbit](#) can be appraised at a glance providing additional safety and precision during [craniotomy](#) ¹⁾.

Pathology

[Frontal sinus transgression](#)

[Frontal sinusitis](#)

[Frontal sinus agenesis](#)

[Frontal sinus fracture](#)

[Frontal sinus osteoma](#)

Frontal Sinus Surgery

[Frontal Sinus Surgery](#).

¹⁾

Gharabaghi A, Krischek B, Feigl GC, Rosahl SK, Lüdemann W, Mirzayan MJ, Koerbel A, Samii M, Tatagiba M, Heckl S. Image-guided craniotomy for frontal sinus preservation during meningioma surgery. Eur J Surg Oncol. 2008 Aug;34(8):928-31. Epub 2007 Nov 26. PubMed PMID: 18042499.

From:

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

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=frontal_sinus

Last update: **2024/06/07 02:50**

