

endoscopic surgery of the paranasal sinuses and anterior skull base

[#endoscopic sinus surgery](#) [#anterior skull base surgery](#) [#minimally invasive sinus procedures](#) [#skull base endoscopy](#) [#ENT surgical techniques](#)

This specialized medical field involves advanced endoscopic surgery for treating conditions affecting the paranasal sinuses and the complex anterior skull base. These minimally invasive procedures utilize small cameras and instruments, enabling precise interventions with reduced trauma and quicker recovery times compared to traditional open surgeries, addressing issues from chronic sinusitis to tumors.

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endoscopic surgery of the paranasal sinuses and anterior skull base

New update : imaging of Paranasal sinuses and anterior skull base - New update : imaging of Paranasal sinuses and anterior skull base by Radiology Video - radiology made easy 3,880 views 1 year ago 40 minutes - New update : imaging of **Paranasal sinuses**, and **anterior skull base**,. Paranasal Sinuses & Anterior Skull Base
Normal Anatomical Variants
Function of PNS
PNS Evolution
Embryology
Nasal Septum (Cartilaginous) Internal Nasal Valve Case 1
Nasal Septum (Bony)
Lateral Nasal Cavity
Inferior Turbinate: Anatomy
Middle Turbinate: Anatomy
Middle Turbinate: Variants
Superior Turbinate: Anat & Variants
Drainage Pathways
Ostiomeatal Unit: Anatomy
Uncinate Process
Ethmoid Infundibulum
Maxillary Sinus
Frontal Sinus Drainage Pathway
Interfrontal Sinus Septal Cell
Sphenoid Sinus
Optic Nerves & Ant Clinoid Processes
Sphenoethmoidal Recess
Floor of the Ant Cranial Fossa

Anterior Ethmoid Sinuses

Ethmoid Bulla: Sinus lateralis

Agger Nasi

Frontal (Ethmoidal) Cells

Supraorbital Ethmoid Cell

Supraorbital Ethmoid vs Frontal Sinus

Suprabullar and Frontal Bullar Cells

Posterior Ethmoid Cells

Onodi Cell

Anterior & Posterior Ethmoid Canals

Pterygopalatine Fossa

Greater and Lesser Palatine Foramina

Perineural Spread

Structured Report: PNS

Webinar | Endoscopic Anatomy of Sinonasal and Anterior Skull Base | BEIRC - Webinar | Endoscopic

Anatomy of Sinonasal and Anterior Skull Base | BEIRC by Dr. Sampath Chandra Prasad Rao 261

views 1 year ago 21 minutes - Okay good evening everyone today's topic uh for this webinar is

endoscopic, anatomy of cyanonasal and **anterior skull base**, and ...

Dr. Georgiy Polev: Paranasal Sinus and Anterior Skull Base Surgical Anatomy ... - Dr. Georgiy Polev:

Paranasal Sinus and Anterior Skull Base Surgical Anatomy ... by Neurosurgical TV 647 views 7 years

ago 25 minutes - Dr. Georgiy Polev "**Paranasal Sinus**, and **Anterior Skull Base Surgical**, Anatomy,

from the Rhinoneurosurgical Perspective" ...

Endoscopic Sinus Surgery for Pain, Drainage, Infections, and Impaired breathing - Endoscopic Sinus

Surgery for Pain, Drainage, Infections, and Impaired breathing by Nucleus Medical Media 191,170

views 2 years ago 2 minutes, 17 seconds - #ParanasalSinuses #SinusSurgery #sinusitis MEDICAL

ANIMATION TRANSCRIPT: Your **paranasal sinuses**, are air-filled spaces ...

Endoscopic Endonasal Approach to the Anterior Skull Base and Parasellar Region by James K. Liu,

M.D. - Endoscopic Endonasal Approach to the Anterior Skull Base and Parasellar Region by James

K. Liu, M.D. by Seattle Science Foundation 10,625 views 8 years ago 41 minutes - Endoscopic,

Endonasal Approach to the **Anterior Skull Base**, and Parasellar Region was presented by James

K. Liu, M.D. at the ...

Sinus Anatomy for Sinus Surgery - Sinus Anatomy for Sinus Surgery by John Craig, Rhinology-Skull

Base Surgery 71,445 views 3 years ago 31 minutes - Trying to learn **paranasal sinus**, anatomy?

Reading 50 papers, trying to find diagrams online, or trying to find pertinent videos ...

Deep Thoughts

Middle Meatus

Maxillary Ostium

Maxillary Line (Chastain, Sindwani et al., Laryngoscope 2005)

Accessory Ostia: Maxillary Hiatus and Fontanelles

Anatomy around the Maxillary

Maxillary Roof: Infraorbital Nerve

Maxillary Roof: Infraorbital Cell

Maxillary Floor: Tooth Roots

Medial wall: Inferior Turbinate

Medial wall: Nasolacrimal Duct

Posterior Wall: SPF, PPF, ITF

Middle Turbinate

Posterior Ethmoid

Ethmoid Skull Base

Anterior Ethmoid Artery

Sphenoid Ostium

Sphenoethmoid Cell ("Onodi")

Anatomy around the Sphenoid

Frontal Sinus Outflow Tract

Frontal Recess Boundaries

Within the frontal recess are anterior ethmoid air cells

Anterior Cells

Posterior Cells

Medial Cell

Lateral Cells

Summary of Frontal Anatomy • Bony partitions originate from the bony boundaries of the frontal recess

Expanded Endoscopic Endonasal Transcribriform Approach for Anterior Skull Base Olfactory Schwannoma - Expanded Endoscopic Endonasal Transcribriform Approach for Anterior Skull Base Olfactory Schwannoma by American Association of Neurological Surgeons 15,278 views 12 years ago 9 minutes, 4 seconds - "Expanded **Endoscopic**, Endonasal Transcribriform Approach for Resection of **Anterior Skull Base**, Olfactory Schwannoma" James ...

Endoscopic Endonasal Resection Approaches to the Anterior Cranial Fossa Paul A. Gardner, MD - Endoscopic Endonasal Resection Approaches to the Anterior Cranial Fossa Paul A. Gardner, MD by Seattle Science Foundation 2,972 views 2 years ago 30 minutes - The Seattle Science Foundation is a not for profit organization dedicated to advancing the quality of patient care through ...

LATERAL EXTENSION? OPTIC CANAL ORBITAL

Vascular Involvement ?

THE SKULL BASE CONGRESS

Endoscopic Management of Anterior Skull Base Neoplasms - Endoscopic Management of Anterior Skull Base Neoplasms by Stanford Otolaryngology — Head & Neck Surgery 108 views 2 years ago 39 minutes - This Grand Round took place March 19, 2015.

Overview

Evaluation

Pleomeal resection: extradural adenocarcinoma

Intradural: melanoma

Intradural resection: melanoma

Surgical & technical principles

Complications

Complication Seizures

Overall Survival External ACFR

Survival by Margin Status-External ACFR

Outcomes-Endoscopic ACFR

Outcomes. Endoscopic

Outcomes-Endoscopic vs external

Survival by Tumor Type-Endoscopic ACFR

Outcomes-Recurrence rates

Summary

ERS Webinar Series 2022: Radiological and Surgical Anatomy of the Sinuses and the Skull Base - ERS Webinar Series 2022: Radiological and Surgical Anatomy of the Sinuses and the Skull Base by ERS, European Rhinologic Society 2,088 views 1 year ago 1 hour, 6 minutes - Radiological Anatomy (Professor Roberto Maroldi, Italy) **Surgical**, Anatomy of the **Paranasal Sinuses**, (Dr Klementina Avdeeva, ...

Welcome

Transethmoidal

Paraseptal

Sphenoid Sinus

OPTIC NERVE/OPTIC CANAL

OPTIC NERVE / OPHTHALMIC ARTERY

bone removal

practical anatomy

structures beyond

Pterygopalatine fossa

Infratemporal fossa

ANATOMICAL KEY POINTS INTRACRANIAL CORRESPONDENCE

how does the mucus reach the nasal cavity & is removed?

Key Anatomy

a medial view of ethmoid labyrinth(s)

anatomy: sphenoid bone pea

acquisition modality

vidian canal and foramen rotundum

the "common" vertical lamina for turbinates (1)

the olfactory epithelium

frontal recess opening is conditioned by uncinate attachment

the ethmoid box

danger areas FS

anterior and posterior ethmoidal arteries

the surgical path tofrontal recess

frontal drainage

anatomical concepts

Endoscopic Approaches to the Anterior Skull Base - Endoscopic Approaches to the Anterior Skull Base by Neurosurgical TV 349 views 2 years ago 18 minutes - Neurosurgical.TV performs frequent webinars concerning Neurosurgery with world wide specialists. Subscribe. Stay up to date ...

Neurosurgery On the Go: Transnasal and Surgical Anatomy of the Anterior Skull Base - Neurosurgery On the Go: Transnasal and Surgical Anatomy of the Anterior Skull Base by Congress of Neurological Surgeons 427 views 11 months ago 11 minutes, 31 seconds - Dr. Juan Fernandez-Miranda from Stanford University presents on Transnasal and **Surgical**, Anatomy of the **Anterior Skull Base**, in ... Designing a Midline Anterior Skull Base Approach: Anterior Skull Base and Paranasal Sinus Lesion - Designing a Midline Anterior Skull Base Approach: Anterior Skull Base and Paranasal Sinus Lesion by NREF 3,388 views 9 years ago 26 minutes - Presented by William T. Couldwell, MD, PhD, FAANS Published as a resource for neurosurgeons by the Neurosurgery Research ...

Endoscopic anatomy of sella and skull bases and their approaches - Endoscopic anatomy of sella and skull bases and their approaches by NETS AIIMS 6,114 views 8 years ago 26 minutes - Detailed description of **endoscopic**, endonasal anatomy of nasal cavity, **paranasal sinuses**, sphenoid sinus, sella and parasellar ...

PRINCIPLES OF **ENDOSCOPIC SKULL BASE**, ...

NASAL STAGE

SPHENOID SINUS

Surgical Advances: Endoscopic Transnasal Surgery for Pituitary and Anterior Skull Base Tumors - Surgical Advances: Endoscopic Transnasal Surgery for Pituitary and Anterior Skull Base Tumors by UCLA Health 667 views 9 months ago 38 minutes - Marvin Bergsneider, MD and Jeremiah Johnson, MD, discuss recent advances in a minimally invasive **surgery**, for brain tumors ...

Introduction

Surgical Advances

Anatomy

Surgery

Challenges

Skull base tumors

Conclusion

Video 11: Cadaveric Endoscopic Dissection of the Paranasal Sinuses, Orbit and Skull Base - Video 11: Cadaveric Endoscopic Dissection of the Paranasal Sinuses, Orbit and Skull Base by Johan Fagan 791 views 1 year ago 41 minutes - Cadaveric **Endoscopic**, Dissection of the **Paranasal Sinuses**, Orbit and **Skull Base**,.

Minimally Invasive Endoscopic Surgery for Skull Base Tumors | UCLAMDChat - Minimally Invasive Endoscopic Surgery for Skull Base Tumors | UCLAMDChat by UCLA Health 6,225 views 4 years ago 30 minutes - Join UCLA neurosurgeon Won Kim, MD, and head & neck **surgeon**, Jivianne Lee, MD, for an overview of **endoscopic surgery**, to ...

Skull Base: Anterior skull base, orbits and paranasal sinus. - Skull Base: Anterior skull base, orbits and paranasal sinus. by Manchester Neurosciences 260 views 3 years ago 1 hour, 13 minutes - Skull Base,: **Anterior skull base**, orbits and **paranasal sinus**,. Dr. Amit Herwadkar.

Growth and development of paranasal sinuses

Olfactory bulb

Olfactory striae

BOUNDARIES AND WALLS BOUNDARIES

MEDIAL WALL

Floor

Lateral

Communications - Optic canal

Communications - Superior orbital fissure

INFERIOR ORBITAL FISSURE

Contents

Globe

Optic nerve
 Paraclinoid meningioma
 Rectus Muscles
 Superior oblique
 Orbital Nerves
 OPHTHALMIC
 Arterial System
 Anterior cranial base fistula
 Venous circulation
 Nose and Paranasal Sinuses
 Nasal epithelium
 Nasal cavity - Septum and Turbinates
 Drainage system
 Maxillary Sinuses
 ENDOSCOPIC SURGERY OF ANTERIOR SKULL BASE MALIGNANCIES - PART I - ENDO-
 SCOPIC SURGERY OF ANTERIOR SKULL BASE MALIGNANCIES - PART I by Dr BHARGAW
 ILAPAKURTY 43 views 3 years ago 57 minutes - the first part of the **endoscopic surgery**, of **anterior surgery**, webinar done by Dr Shivakumar T from TATA Memorial Hospital deals ...
 Anterior Skull Base Tumours: Clinical Presentation & Management.
 Introduction
 Anterior Skull Base Malignancies
 Common Histopathology's (WHO 2017)
 Etiology
 Investigation
 Imaging
 Squamous Cell Carcinoma
 Adenocarcinoma
 Adenoid Cystic Carcinoma
 Sinonasal Undifferentiated Carcinoma
 Sinonasal Neuroendocrine Carcinoma
 NUT Carcinoma
 Teratocarcinosarcoma
 Olfactory Neuroblastoma
 Mucosal Melanoma
 Inverted Papilloma (IP)
 Haemangiopericytoma
 To Conclude..
 Endoscopic anatomy of sella and skull bases and their approaches - Endoscopic anatomy of sella and skull bases and their approaches by NETS AIIMS 2,148 views 9 years ago 11 minutes, 15 seconds
 - Detailed description of **endoscopic**, endonasal anatomy of nasal cavity, **paranasal sinuses**, sphenoid sinus, sella and parasellar ...
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maxilla; and the ethmoidal sinuses in the ethmoid bone. A narrow opening called a sinus ostium from each of the paranasal sinuses allows drainage into the nasal... 78 KB (9,093 words) - 15:28, 4 March 2024

the nasopharynx and rest of the respiratory tract. The paranasal sinuses surround and drain into the nasal cavity. Nasopharynx – The upper portion of... 257 KB (29,223 words) - 16:17, 1 February 2024
 fracture of more than one bony orbital walls of paranasal sinuses and tearing of adjacent sinus mucosa, and communication of a sinus with the orbit is... 30 KB (3,098 words) - 19:52, 27 September 2023
 Polyps". In Stamm AC, Draf W (eds.). Micro-endoscopic Surgery of the Paranasal Sinuses and the Skull Base. Springer Berlin Heidelberg. pp. 103–125. doi:10... 8 KB (697 words) - 02:36, 2 September 2023
 neuroblastoma (esthesioneuroblastoma): report of six cases treated by a novel combination of endo-

