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## **Endoscopic Anatomy Of The Middle**

The endoscopic approach allows the surgeon to explore middle ear spaces and to observe ossicular anatomy, prosthesis position, and oval window conditions (3, 12). Endoscopic exclusive transcanal ...

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During an endoscopic approach to the retrotympanum the surgeon stands on the opposite side of the middle ear observed: by introducing the endoscope into the external ear canal with a 45° angle from the opposite side, a wide view of the medial boundary of the sinus tympani and of the ponticulus area is obtained.

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Ear Anatomy | Ento  
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Advanced knowledge of embryology helps to correlate anatomical status in relation to developmental anomalies. Endoscopy succeeds to demonstrate anatomical details along with their impact on surgery of the middle ear. The inclusion of carefully selected CT scans

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assist in the reading of  
normal anatomy  
comparing with  
pathological features.

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The objective of the  
present work was to  
study the specific  
endoscopic anatomical  
features of the middle  
ear using the dissected  
temporal bones with  
the intact tympanic



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membrane. The 18 cm long endoscopes 4 mm in diameter with a visual angle from 0 to 45 degrees in the combination with some other microinstruments, such as ear pincers, needles, curettes, elevators, and suction tubes, were used during the examination.

**[The endoscopic anatomy of the**

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The endoscopic anatomy of the middle ear approach to the fundus of the internal acoustic canal  
Methods. Thirty-four formalin-perfused cadaveric temporal bones and 2 dry bones were dissected to define the anatomy of... Results. This study began with the examination of cadaveric ( Fig. 1) and

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**The endoscopic  
anatomy of the  
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to the ...**

CONCLUSION: This is the first study assessing the anatomical features of the middle ethmoidal arteries from an endonasal endoscopic perspective. The findings of this research have clinical significance in guiding

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surgeries that involve the medial orbital wall, intractable epistaxis, and anterior skull base pathologies, as well as endoscopic endonasal surgeries.

## **Endoscopic anatomy of the middle ethmoidal artery.**

The development of small-diameter, high-quality rigid endoscopes and high-definition video systems has made

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totally endoscopic,  
transcanal surgery a  
reality in adult otology  
and a possibility in  
pediatric otology. This  
article reviews the  
anatomy of the  
pediatric middle ear  
and its surrounding  
airspace and...  
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## **Figure 4 from Endoscopic Anatomy of the Pediatric Middle ...**

Endoscopic Anatomy of  
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Traditionally, otologists have aimed to produce a clean, dry, safe ear with the best possible hearing result. More recently, "less invasively" has been added to this list of goals. The development of small-diameter, high-quality rigid endoscopes and high-definition video systems has made totally end...

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Figure 15. Histologic section of middle ear of term infant. Sando collection. Note residual submucosal mesenchyme in facial recess and sinus tympani. EAC, external auditory canal; RW, round window niche. - "Endoscopic Anatomy of the Pediatric Middle Ear"

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## **Figure 15 from Endoscopic Anatomy of the Pediatric Middle ...**

Since the last decade endoscope was used in otology just as a diagnostic tool and never over the eardrum. Recent development of endoscopy in middle ear surgery [4-11] has permitted an extremely and unexpected detailed



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view of the “in vivo” anatomy of middle ear. Exploration of hidden recesses like the sinus tympani, the anterior epitympanic space, and the protympanic space with such a magnification is almost impossible with microscopic traditional approaches.

**Endoscopic anatomy  
of the middle ear. -  
Abstract - Europe  
PMC**

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Full middle ear  
endoscopy resource:  
<https://bit.ly/337xkeo>  
Middle ear endoscopy.  
Courtesy of Hamid R  
Djalilian, MD.

## **Middle Ear Endoscopy - Ear Anatomy - YouTube**

The middle ear is  
located in the center of  
the temporal bone and  
bears a highly complex  
anatomy. The recently  
introduced exclusively  
endoscopic transcanal

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approach to the middle ear is a minimally invasive technique sparing the bone and mucosa of the mastoid bone, since the middle ear is accessed through the external auditory canal.

**Discovering Middle Ear Anatomy by Transcanal Endoscopic ...**

Abstract. Good knowledge of anatomy is fundamental for

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every surgeon. Middle ear anatomy is really complex and sometimes is challenging for otologists, who need to explore every single compartment for a radical removal of pathology. With introduction of the endoscope in middle ear surgery, anatomy of middle ear spaces has become wider and clearer due to a better magnification and to

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the possibility to look  
“behind the corner”.

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Because transtubal middle ear endoscopy is atraumatic, it is a valuable tool for postoperative follow-up studies. But prior 2-port endoscopy of the middle ear can be used to assess the ease of passage of the transtubal scope

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through anatomical structures (tubal isthmus), as well as to evaluate the diagnostic information that can be expected postoperatively.

## **Two-Port Endoscopy of the Middle Ear: Endoscopic Anatomy**

...

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This video reveals the  
anatomy of the human  
middle ear  
reconstructed from

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histologic sections. It is  
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Human Temporal Bone  
of the Eaton ...

## **Endoscopic Anatomy Middle Ear**

Endoscopic anatomy of  
the middle ethmoidal  
artery - Wang ...

Endoscopy succeeds to  
demonstrate  
anatomical details  
along with their impact  
on surgery of the



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middle ear. The inclusion of carefully selected CT scans assist in the reading of normal anatomy comparing with pathological features. [PDF] Endoscopic Anatomy Of The Middle Ear Download eBook ...

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Notable anatomical landmarks for the endoscopic surgeon

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are the vidian nerve and its canal that leads to the petrous portion of the internal carotid artery (ICA), and the foramen rotundum, and V2 that leads to Meckel's cave in the middle cranial fossa.

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