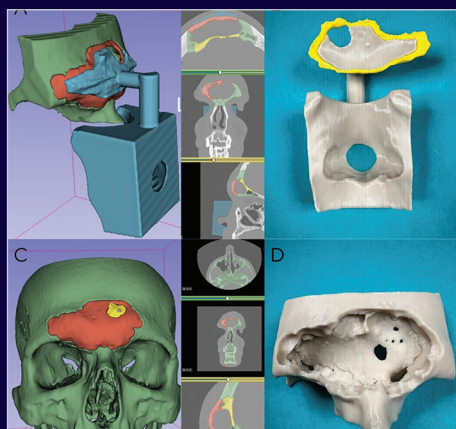


Turkish Archives of Otorhinology



Official Journal of the
Turkish Otorhinology
Head and Neck Surgery Society



Patient-Specific 3D Models for Open Frontal Sinus Surgery: Enhancing Precision
with Facial Mask-Guidance

Page: 218-221

Original Investigations

- ▶ VOR Gain Asymmetry in Unilateral Ménière's Disease
Yüksel Aslier and Ekim.
- ▶ Refractory BPPV and Vitamin D
Bayrak et al.
- ▶ Endoscopy vs. X-ray in Adenoid Hypertrophy
Hosri et al.
- ▶ Early Ventilation Tube Extrusion in Children
Uzunoglu et al.
- ▶ Bibliometric Review of Vertigo Theses
Aydemir et al.
- ▶ Diabetic Patients with Invasive Fungal Rhinosinusitis
Gülmez et al.



Turkish Archives of Otorhinolaryngology

Türk Otorinolarengoloji Arşivi



Editor

Taner Kemal ERDAĞ

Private Practice, İzmir, Türkiye

Associate Editors

Ali BAYRAM

University of Health Sciences Türkiye, Kayseri City Health
Practice and Research Center, Kayseri, Türkiye

Turgut KARLIDAĞ

Private Practice, Elazığ, Türkiye

Özgür KEMAL

Department of Otorhinolaryngology, Ondokuz Mayıs
University School of Medicine, Samsun, Türkiye

Özlem ÖNERCİ ÇELEBİ

Department of Otorhinolaryngology, Koç University Hospital,
İstanbul, Türkiye

Biostatistical Consultant

Hülya ELLİDOKUZ

Department of Biostatistics and Medical Informatics, Dokuz
Eylül University School of Medicine, İzmir, Türkiye

Past Editors

Hikmet ALTUĞ (Founder, 1962-1998)

İrfan DEVRANOĞLU (1998-2012)

Ayşenur MERİÇ HAFİZ (2012-2015)

Owner and Responsible Manager on behalf of the Turkish Otorhinolaryngology Head and Neck Surgery Society / Türk Kulak Burun Boğaz ve Baş Boyun Cerrahisi Derneği adına Sahibi ve Sorumlu Yazı İşleri Müdürü: Özgür YİĞİT • Publication Type: Yerel süreli / Local periodical • Basım yeri / Printed at: Matsis Matbaa Hizmetleri San. ve Tic.Ltd.Şti, Tevfikbey Mah., Dr. Ali Demir Cad. No: 5, 34290 Sefaköy, Türkiye (+90-212-624 21 11) • Basım tarihi / Printing Date: Eylül 2020 / September 2020 • Türk Kulak Burun Boğaz ve Baş Boyun Cerrahisi Derneği tarafından yayımlanmaktadır. Published by Turkish Otorhinolaryngology Head and Neck Surgery Society, Çobançeşme Sanayi Cad. No: 11 Nish İstanbul A Blok D: 8 Yenibosna, İstanbul, Türkiye (+90 212 233 11 26)



Publisher Contact

Address: Molla Gürani Mah. Kaçmak Sk. No: 21/1
34093 İstanbul, Türkiye
Phone: +90 (530) 177 30 97 / +90 (539) 307 32 03
E-mail: info@galenos.com.tr/yayin@galenos.com.tr
Web: www.galenos.com.tr
Publisher Certificate Number: 14521

Publication Date: December 2025

E-ISSN: 2667-7474

International scientific journal published quarterly.



Turkish Archives of Otorhinolaryngology

Türk Otorinolarenoloji Arşivi

► International Editorial Board

Mustafa Kemal ADALI

Private Bir Nefes Hospital, Lüleburgaz, Kırklareli, Türkiye

Cüneyt M. ALPER

Children's Hospital Department of Otorhinolaryngology, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, USA

Asım ASLAN

Department of Otorhinolaryngology, School of Medicine, Celal Bayar University, Manisa, Türkiye

Barlas AYDOĞAN

Galleria Clinic of Otorhinolaryngology, Adana, Türkiye

Yıldırım Ahmet BAYAZIT

Department of Otorhinolaryngology, School of Medicine, İstanbul Medipol University, İstanbul, Türkiye

Patrick J. BRADLEY

Department of Oto-Rhino-Laryngology, Head and Neck Surgery, Nottingham University Hospitals, Queen's Medical Centre Campus, Nottingham, England

Dan M. FLISS

Department of Otorhinolaryngology-Head and Neck and Maxillofacial Surgery, Tel-Aviv Sourasky Medical Center, Sackler School of Medicine, Tel-Aviv University, Tel-Aviv, Israel

Gerhard FRIEDRICH

ENT University Clinic, Speech and Swallowing, Medical University Graz, Graz, Austria

Mustafa GEREK

Department of Otolaryngology-Head and Neck Surgery, University of Health Sciences, Gülhane Medical School, Ankara, Türkiye

Kemal GÖRÜR

Department of Otorhinolaryngology School of Medicine, Mersin University, Mersin, Türkiye

Enis Alpin GÜNERİ

Department of Otorhinolaryngology, School of Medicine, Dokuz Eylül University, İzmir, Türkiye

James A. HADLEY

Department of Otorhinolaryngology-Head and Neck Surgery, University of Rochester Medical Center, Rochester, New York, USA

Ali Şefik HOŞAL

Private Practice, Ankara, Türkiye

Ahmet Ömer İKİZ

Department of Otorhinolaryngology, Dokuz Eylül University School of Medicine, İzmir, Türkiye

Ş. Armağan İNCESULU

Department of Otorhinolaryngology, Eskişehir Osmangazi University, Eskişehir, Türkiye

Cüneyt Orhan KARA

Pamukkale University Faculty of Medicine, Denizli, Türkiye

İrfan KAYGUSUZ

Department of Otorhinolaryngology, School of Medicine, Fırat University, Elazığ, Türkiye

Erol KELEŞ

Department of Otorhinolaryngology, School of Medicine, Fırat University, Elazığ, Türkiye

Yusuf Kemal KEMALOĞLU

Department of Otorhinolaryngology School of Medicine, Gazi University, Ankara, Türkiye

M. Mete KIROĞLU

Department of Otorhinolaryngology, Çukurova University School of Medicine, Adana, Türkiye

Tayfun KİRAZLI

Department of Otorhinolaryngology, Ege University School of Medicine, İzmir, Türkiye

Keat-Jin LEE

Yale University, School of Medicine, New Haven, Connecticut, USA

Stanley Yung-Chuan LIU

Department of Otolaryngology/Head and Neck Surgery and Plastic and Reconstructive Surgery Director, Sleep Surgery Fellowship Stanford University School of Medicine, California, USA

Marina MAT BAKI

Department of Otorhinolaryngology-Head and Neck Surgery, Universiti Kebangsaan Malaysia Medical Centre, Hospital Canselor Tunku Mukhriz, Wilayah Persekutuan Kuala Lumpur, Malaysia

Cem MEÇO

Department of Otorhinolaryngology, Ankara University School of Medicine, Ankara Türkiye

Albert MERATI

Department of Otolaryngology-Head and Neck Surgery, University of Washington, Washington, USA

Murat Cem MİMAN

Clinic of Otorhinolaryngology Medical Park İzmir Hospital, İzmir, Türkiye

Eugene N. MYERS

Department of Otorhinolaryngology, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

Turkish Archives of Otorhinolaryngology

Türk Otorinolarengoloji Arşivi



Erwin OFFECIERS

University Department of Otorhinolaryngology and Head and Neck Surgery, Skull Base Team, Sint Augustinus Hospital, Wilrijk, Antwerp, Belgium

Metin ÖNERCİ

Department of Otorhinolaryngology, Hacettepe University School of Medicine, Ankara, Türkiye

Ferhan ÖZ

Department of Otorhinolaryngology, Bakırköy Acıbadem Hospital, İstanbul, Türkiye

Levent Naci ÖZLÜOĞLU

Department of Otorhinolaryngology, School of Medicine, Başkent University, Ankara, Türkiye

Orhan ÖZTURAN

Department of Otorhinolaryngology School of Medicine, Bezmialem Vakıf University, İstanbul, Türkiye

Desiderio PASSALI

Department of Otorhinolaryngology, University of Siena, Siena, Italy

Stefan PLONTKE

Department of Adult and Pediatric Otorhinolaryngology, Head and Neck Surgery, Martin Luther University, Halle Wittenberg University Clinic and Polyclinic, Halle (Saale), Germany

Clark A. ROSEN

Department of Otorhinolaryngology-Head and Neck Surgery, University of Pittsburgh Voice Center, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, USA

Levent SENNAROĞLU

Department of Otolaryngology, Hacettepe University School of Medicine, Ankara, Türkiye

Christian SITTEL

Department of Otorhinolaryngology and Head and Neck Surgery, Klinikum Stuttgart Katharinenhospital, Stuttgart, Germany

Muaaz TARABICHI

Cochlear Implant Center, American Hospital, Dubai, UAE

Stefanos TRIARIDIS

Department of Otorhinolaryngology, AHEPA University Hospital, Aristotle University of Thessaloniki, Thessaloniki, Greece

Cem UZUN

Department of Otorhinolaryngology, School of Medicine, Trakya University, Edirne, Türkiye

Peak WOO

Department of Otorhinolaryngology Head and Neck Surgery, Mount Sinai School of Medicine, New York, USA

Sertaç YETİŞER

Department of Otorhinolaryngology Special Anatolian Health Center, Kocaeli, Türkiye

Orhan YILMAZ

Department of Otorhinolaryngology, School of Medicine, Karabük University, Karabük, Türkiye

Taner YILMAZ

Department of Otorhinolaryngology, School of Medicine, Hacettepe University, Ankara, Türkiye

Please refer to the journal's webpage (<https://www.turkarchotolaryngol.net/>) for "Ethical Policy" and "Instructions to Authors".

The editorial and publication processes of the journal are shaped in accordance with the guidelines of ICMJE, COPE, WAME, CSE and EASE, and NISO. Turkish Archives of Otorhinolaryngology is indexed in PubMed, PubMed Central, Web of Science (Emerging Sources Citation Index), ULAKBIM TR Index, EBSCO Academic Search Alumni Edition, EBSCO Academic Search Complete, EBSCO Academic Search Elite, EBSCO Academic Search Ultimate, GALE, J-Gate, DOAJ, CNKI, Embase and ProQuest.

The journal is published online.

Owner: Turkish Otorhinolaryngology Head and Neck Surgery Society

Responsible Manager: Taner Kemal Erdağ



Turkish Archives of Otorhinolaryngology

Türk Otorinolarenoloji Arşivi

Contents

Editorial

- 164 ▶ Why Diamond Open Access Matters: A Call to ENT Researchers
Taner Kemal Erdağ; İzmir, Türkiye

Commentary

- 166 ▶ Union for International Cancer Control 9th Edition TNM Classification for Head and Neck Malignancies: What is New?
Ali Bayram, Özlem Çelebi Erdivanlı, Society for Head and Neck Surgery Scientific Group; Kayseri, Rize, Türkiye

Original Articles

- 169 ▶ Vestibulo-ocular Reflex Gain Asymmetry in Unilateral Ménière's Disease: Insights from HIMP and SHIMP Tests and Correlations with Audio-vestibular Findings
Nesibe Gül Yüksel Asher, Buse Ekim; Bursa, Türkiye
- 179 ▶ Investigation of Serum Calcium and Vitamin D Levels in Patients with Refractory Benign Paroxysmal Positional Vertigo
Asuman Feda Bayrak, Baturalp Çetin, Mehmet Doğan; İzmir, Türkiye
- 185 ▶ Comparing Flexible Nasal Endoscopy and Lateral Neck Radiography When Diagnosing Children with Adenoid Hypertrophy: A Case-Control Study
Jad Hosri, Omar Aboul Hosn, Anthony Ghanem, Anne Marie Daou, Justin Ghadieh, Nader Zalaquett, Randa Barazi; Beirut, Lebanon
- 190 ▶ Postoperative Otorrhea as a Predictor of Early Ventilation Tube Extrusion in Children
Eray Uzunoğlu, Tankut Uzun, Muhammed Kürşad Güçlü, Togay Müderris; İzmir, Türkiye
- 196 ▶ A Bibliometric Review of Residency Theses on Vertigo in Türkiye
Gökçe Aydemir, Cüneyt Orhan Kara, Fazıl Necdet Ardıç; Denizli, Türkiye
- 201 ▶ Evaluation of Clinical and Laboratory Findings at Admission in Diabetic Patients with Acute Invasive Fungal Rhinosinusitis
Mehmet İhsan Gülmez, Funda Kutay, Ertap Akoğlu, Mehmet Çabalak, Didar Gürsoy, Şemsettin Okuyucu; Hatay, İstanbul, Türkiye

Case Reports

- 210 ▶ Prenatal Diagnosis of a Large Oropharyngeal Teratoma and Airway Management with EXIT: A Case Report
Malik Afifoğlu, Ahmet Talha Demir, Fakih Cihat Eravcı; Bursa, Konya, Türkiye
- 214 ▶ Laryngeal Metastasis of Prostate Adenocarcinoma-A Case Report
Ahmet Ömer İkiz, Ömer Faruk Zengin, Sülen Sarioğlu, Nuri Karabay, Özhan Özdoğan, Oğuz Çetinayak; İzmir, Türkiye



Contents

- 218 ▶ Patient-Specific 3D Models for Open Frontal Sinus Surgery: Enhancing Precision with Facial Mask-Guidance

Melikşah Çakır, Erdem Köroğlu, Fatih Özdoğan; Kocaeli, Türkiye

Letter to the Editor

- 222 ▶ An Insight into the Formulation of the Iraqi Version of the Pediatric Sleep Questionnaire for Children with Obstructive Sleep Apnea Syndrome

Mahmood Dhahir Al-Mendalawi; Baghdad, Iraq

Indexes

2025 Reviewer Index

2025 Author Index

2025 Subject Index