



Société Royale Belge d'Oto-Rhino-Laryngologie et de Chirurgie Cervico-Faciale  
Koninklijke Belgische Vereniging voor Oto-Rhino-Laryngologie, Gelaat- en Halschirurgie

# B-ENT

A publication of the Royal Belgian Society for ENT and Head and Neck Surgery

Volume **18** • Issue **2** • April **2022**

**81**

Treatment of Postoperative Maxillary Mucocele with Orbital Extension

**95**

Hyaluronic Acid Effects on Impaired Mucociliary Clearance Due to Radiotherapy

**103**

Prevalence and Outcome of Olfactory Dysfunction in COVID-19 Patients in a Multiracial Asian Setting

**110**

Ability to Drive in Patients with Dizziness: The Belgian Perspective



# B-ENT

A publication of the Royal Belgian Society for ENT and Head and Neck Surgery

## Editors in Chief

### Olivier M. Vanderveken

Department of Otorhinolaryngology and Head and Neck Surgery, University of Antwerp, Antwerp University Hospital, Antwerp, Belgium

### Philippe Eloy

ENT Department, Université Catholique de Louvain, Centre Hospitalier Universitaire UCL Namur, Yvoir, Belgium

## Associate Editors

### Allergy and Rhinology

#### Clotilde De Dorlodot

Université Catholique de Louvain, Mont-Godinne, Louvain, Belgium

#### Thibaut Van Zele

Ghent University Hospital, Ghent, Belgium

### Audiology

#### Naima Deggouj

Université Catholique de Louvain, Saint-Luc, Brussel, Belgium

#### Paul Govaerts

De Oorgroep, University of Antwerp, Antwerp, Belgium

#### Jan Wouters

KU Leuven- University of Leuven, Leuven, Belgium

### Facial Plastic and Reconstructive Surgery

#### Wouter Huvenne

Ghent University, Ghent, Belgium

#### Frank Declau,

GZA Hospitals and University of Antwerp, Antwerp, Belgium

### General Otolaryngology, Case Reports and Clinical Pearls

#### Mihaela Horoi

Saint-Pierre University Hospital Center, Brussel, Belgium

#### Nele Lemkens

Ziekenhuis Oost-Limburg, Genk, Belgium

### Head and Neck Surgery and Oncology

#### Vincent Vander Poorten

KU Leuven- University of Leuven, Leuven, Belgium

#### Sébastien Van Der Vorst

Université Catholique de Louvain, MONT-GODINNE, Louvain, Belgium

#### Tom Vauterin

St Jan Bruges, Bruges, Belgium

### Laryngology and Phoniatriy

#### Griet Laureyns

Ziekenhuis Oost-Limburg, Genk, Belgium

#### Peter Tomassen

Ghent University Hospital, Ghent, Belgium

### Neuro-otology and Vestibular Disorders

#### Philippe Lefebvre

University of Liège, Liège, Belgium

#### Vincent Van Rompaey

University of Antwerp, Antwerp, Belgium

### Ingeborg Dhooge

Ghent University, Ghent, Belgium

### Otology

#### Marie-Paule Thill

Saint-Pierre University Hospital Center, Brussel, Belgium

#### Vedat Topsakal

Vrije Universiteit Brussel, Brussel, Belgium

#### Nicolas Verhaert

KU Leuven- University of Leuven, Leuven, Belgium

### Pediatric Otolaryngology

#### An Boudewyns

University of Antwerp, Antwerp, Belgium

#### Anne-Laure Mansbach

Université Libre de Brussel, Brussel, Belgium

### Sleep Medicine and Surgery

#### Anne-Lise Poirrier

University of Liège, Liège, Belgium

#### Anneclaire Vroegop

University of Antwerp, Antwerp, Belgium

### Smell and Taste Disorders

#### Caroline Huart

Université Catholique de Louvain, Saint-Luc, Brussel, Belgium



### Founder

İbrahim KARA

### General Manager

Ali ŞAHİN

### Publishing Director

İrem SOYSAL

### Editor

Gizem KAYAN TEKAÜT

### Publication Coordinators

Arzu ARI

Deniz KAYA

Bahar ALBAYRAK

Gamze BİLGİN

Irmak BERBEROĞLU

Alara ERGİN

Ebru BOZ

### Web Coordinator

Sinem Fehime KOZ

### Finance Coordinator

Elif YILDIZ ÇELİK

### Contact

Address: Büyükdere Cad. No: 105/9

34394 Mecidiyeköy, Şişli-İstanbul

Phone: +90 212 217 17 00

E-mail: info@avesyayincilik.com



# B-ENT

A publication of the Royal Belgian Society for ENT and Head and Neck Surgery

## AIMS AND SCOPE

B-ENT is an international, scientific, open access periodical published in accordance with independent, unbiased, and double-blinded peer-review principles. The journal is the official online-only publication of the Royal Belgian Society of Oto-rhino-laryngology, Head and Neck Surgery and it is published quarterly in January, April, July, October. The publication language of the journal is English.

Throughout its history, the Royal Belgian Society of Oto-rhino-laryngology, Head and Neck Surgery, the home society of B-ENT, aims to disseminate both the scientific and the clinical knowledge of otorhinolaryngology field primarily in Belgium and its regions. In accordance with this aim, publishing a scientific journal has become the number one objective of the Society. Accordingly, B-ENT contributes to the scientific memory of Belgium considering its deep-rooted history.

The history of B-ENT traces back to 1890s in when the articles of the founders of the Society were published in the Bulletins of the "Société Belge d'Otologie et Laryngologie". In 1929, the title of the journal had been changed to "Journal Belge d'Oto-Rhino-Laryngologie" and in 1932 the title changed to "Bulletin". When the Bulletin stopped publication in the Second World War, a new journal Acta Oto-Rhino-Laryngologica Belgica was created in 1945. The first issue of Acta Oto-Rhino-Laryngologica Belgica is published in 1946 and it started to reach more of the country via university and library subscriptions. After 59 years, B-ENT was created as the continuation of Acta Oto-Rhino-Laryngologica Belgica and it has been continuing publication since 2005.

The aim of B-ENT is to publish original research papers of the highest scientific and clinical value in otorhinolaryngology, head and neck surgery and their related fields. The journal also publishes reviews, rare case report that include a concise review of the literature, protocol papers of innovative clinical trials in the field, clinical pearls, interesting images in ENT-HNS, letters to the editors, and papers presented at the meetings of the Royal Belgian Society of Otorhinolaryngology, Head and Neck Surgery.

The target audience of the journal includes healthcare professionals, physicians, and researchers who are interested or working in otorhinolaryngology, head and neck surgery fields.

B-ENT is currently indexed in Web of Science-Science Citation Index Expanded, Scopus and DOAJ.

The editorial and publication processes of the journal are shaped in accordance with the guidelines of the International Committee of Medical Journal Editors (ICMJE), World Association of Medical Editors (WAME), Council of Science Editors (CSE), Committee on Publication Ethics (COPE), European Association of Science Editors (EASE), and National Information Standards Organization (NISO). The journal is in

conformity with the Principles of Transparency and Best Practice in Scholarly Publishing ([doaj.org/bestpractice](https://doaj.org/bestpractice)).

Processing and publication are free of charge with the journal. No fees are requested from the authors at any point throughout the evaluation and publication process. All manuscripts must be submitted via the online submission system, which is available at <https://www.b-ent.be>. The journal guidelines, technical information, and the required forms are available on the journal's web page.

All expenses of the journal are covered by the Royal Belgian Society for ENT and Head and Neck Surgery. Potential advertisers should contact the Editorial Office. Advertisement images are published only upon the Editor-in-Chief's approval.

Statements or opinions expressed in the manuscripts published in the journal reflect the views of the author(s) and not the opinions of the Royal Belgian Society for ENT and Head and Neck Surgery, editors, editorial board, and/or publisher; the editors, editorial board, and publisher disclaim any responsibility or liability for such materials.

B-ENT is an open access publication, and the journal's publication model is based on Budapest Open Access Initiative (BOAI) declaration. All published content is immediately available online, free of charge at <https://www.b-ent.be>. Authors retain the copyright of their published work in the B-ENT. The journal's content is licensed under a Creative Commons Attribution 4.0 International License (CC BY 4.0) which permits third parties share and adapt the content for any purpose.

You can find the current version of the Instructions to Authors at <http://www.b-ent.be/EN>.

**Editor in Chief:** Olivier M. Vanderveken

**Address:** Department of Otorhinolaryngology and Head and Neck Surgery, University of Antwerp, Antwerp University Hospital, Wilrijkstraat 10, 2650 Edegem, Antwerp, Belgium

**E-mail:** [b-ent@orl-nko.be](mailto:b-ent@orl-nko.be)

Philippe Eloy

**Address:** ENT Department, Université Catholique de Louvain, Centre Hospitalier Universitaire UCL Namur, Rue Dr Gaston Therasse 1, 5530 Yvoir, Belgium

**E-mail:** [philippe.elay@uclouvain.be](mailto:philippe.elay@uclouvain.be)

**Publisher:** AVES

**Address:** Büyükdere Cad. 105/9 34394 Mecidiyeköy, Şişli, İstanbul, Turkey

**Phone:** +90 (212) 217 17 00

**E-mail:** [info@avesyayincilik.com](mailto:info@avesyayincilik.com)



# B-ENT

A publication of the Royal Belgian Society for ENT and Head and Neck Surgery

## CONTENTS

### ORIGINAL ARTICLES

#### ALLERGY & RHINOLOGY

- 81** Treatment of Postoperative Maxillary Mucocele with Orbital Extension
- 85** Experience with Argon Plasma Coagulation in Treatment of Recurrent Epistaxis in Patients with Hereditary Hemorrhagic Telangiectasia
- 91** Does Septoplasty Affect Nasal Anthropometry? A New Method for Evaluating the Effect of Septoplasty on Nasal Anthropometry

#### HEAD AND NECK SURGERY AND ONCOLOGY

- 95** Hyaluronic Acid Effects on Impaired Mucociliary Clearance Due to Radiotherapy
- 99** Use of Topical Tranexamic Acid to Reduce Drainage Output After Thyroidectomy

#### SMELL AND TASTE DISORDERS

- 103** Prevalence and Outcome of Olfactory Dysfunction in COVID-19 Patients in a Multiracial Asian Setting

### REVIEWS

#### NEURO-OTOLOGY AND VESTIBULAR DISORDERS

- 110** Ability to Drive in Patients with Dizziness: The Belgian Perspective

#### PEDIATRIC OTOLARYNGOLOGY

- 114** Congenital Pyriform Sinus Fistula: Systematic Review and Proposal for Treatment Using a Novel Endoscopic Approach

### CASE REPORTS

#### ALLERGY & RHINOLOGY

- 121** IGG4-Related Pseudotumor in the Sinonasal Cavity: Presentation of a Case and Literature Review

#### HEAD AND NECK SURGERY & ONCOLOGY

- 128** Solitary Cervical Lymphadenopathy as Only Symptom of Whipple's Disease: A Case Report

#### GENERAL OTOLARYNGOLOGY

- 131** Giant Pyogenic Granuloma of the External Auditory Canal: A Rare Case Report

#### OTOLOGY

- 135** Large Congenital Cholesteatoma of Mastoid Origin Presenting as a Stenosis of the External Auditory Canal