

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



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

Volume 20 • Supplementary Issue 1 • October 2024

S1

Complications During Endoscopic Ear Surgery

S7

Transcanal Endoscopic Stapes Surgery

S21

Indications of Endoscopic or Microscopic Approach in Ear Surgery According to Current Evidence from the Literature

S29

Base of Endoscopic Ear Surgery





EISSN 2684-4907





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, Gent, Belgium

Frank Declau GZA Hospitals and University of Antwerp, Antwerp, Belgium



General Manager Ali Şahin

Journal Managers Deniz Kaya Irmak Berberoğlu

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 Phoniatry

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

Publications Coordinators Derya Azer

Nisanur Atıcı Şeref Mert Gücün Lütfiye Çetin Arzu Arı Publications Technologies Coordinator Ayça Nur Sezen

Project Assistant Ozan Şahin

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

Contact

Address: Büyükdere Cad. No: 105/9 34394 Mecidiyeköy, Şişli-İstanbul Phone: +90 212 217 17 00 E-mail: info@avesyayincilik.com





AIMS AND SCOPE

B-ENT is a 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, Gale, EBSCO, and CNKI.

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).

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.

Editors 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

Philippe Eloy

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

E-mail: philippe.eloy@uclouvain.be

Publisher: AVES

Address: Büyükdere Cad. 105/9 34394 Mecidiyeköy, Şişli, İstanbul, Türkiye Phone: +90 (212) 217 17 00 E-mail: info@avesyayincilik.com





CONTENTS

REVIEWS

ANNUAL REPORT

- **S1** Complications During Endoscopic Ear Surgery
- **S7** Transcanal Endoscopic Stapes Surgery
- S21 Indications of Endoscopic or Microscopic Approach in Ear Surgery According to Current Evidence from the literature
- **S29** Base of Endoscopic Ear Surgery
- **S34** Type I Tympanoplasty
- \$38 Use of Biomaterials in Endoscopic Tympanic Repair
- **\$42** Endoscopic Ossiculoplasty
- **S46** Endoscopic Ear Surgery: How to Begin? Tips and Tricks
- \$53 Transcanal Endoscopic Ear Surgery for Cholesteatoma: Royal Belgian Society of Otorhinolaryngology
- **S61** Use of Endoscopic Ear Surgery as Adjunct to Microscopic Surgery in Cholesteatoma Surgery