The Journal ofInternationalInternationalAddataOtoology

Endolymphatic Sac Tumor: A mostly cystic, partially papillary tumor invading and destroying adjacent bony tissue structures and expanding into the CPA and toward the jugular foramen (*Page 290*)

Vol. 13 • Issue 2 • August 2017

The Journal of International Advanced Otology is fully sponsored and owned by





Indexed in Public ed SCI EXPANDED



www.advancedotology.org



EDITOR

O. Nuri Özgirgin Bayındır Hospital, Ankara, Turkey

ASSOCIATE EDITORS

Manohar Bance University of Cambridge, Cambridge, UK

Arun Gadre University of Louisville, Louisville, USA

Simon Lloyd University of Manchester, Manchester, UK

Graziela Souza Queiroz Martins University of Sao Paulo, Sao Paulo, Brasil

Masafumi Sakagami Hyogo College of Medicine, Hyogo, Japan

Bülent Satar GATA Medical School, Ankara, Turkey

Robby Vanspauwen Department of Ear Nose Throat, Sint-Augustinus Antwerp European Institute For ORL, Wilrijk, Belgium

The Journal of International Advanced Otology is fully sponsored and owned by



Politicel Society Inc.

Address for correspondence Mailing address: 2610 Antwerp, Oosterveldlaan 24, Belgium URL: www.advancedotology.org E-mail: jiao@advancedotology.org

The Journal of International Advanced Otology (J Int Adv Otol) Copyright © 2005-2016. All rights reserved. ISSN 1308-7649 E ISSN 2148-3817 Founded by MSOA



ADMINISTRATIVE ADVISORY BOARD

Manohar Bance Dalhousie University, Halifax Nova Scotia, Canada

Maurizio Barbara Sapienza University, Sant'Andrea Hospital, Rome, Italy

Rubens de Brito University of Sao Paulo, Sao Paulo, Brazil

Arnaud Deveeze Clinique Clairval, Marseille, France

Neil Donnelly Spire Cambridge Lea Hospital, Cambridge, UK

Arun Gadre University of Louisville, Louisville, USA

Karl-Bernd Hüttenbrink University of Koln, Köln, Germany

Mohan Kameswaran Madras Ear Nose Throat Research Foundation, Chennai, India

EDITORIAL CONSULTANTS

Fatthi Abdel Baki University of Alexandria, Alexandria, Egypt

Mehmet Ada University of İstanbul, İstanbul, Turkey

Songül Aksoy Department of Audiology, Hacettepe University School of Medicine, Ankara, Turkey

Mesut Akyol Yıldırım Bayazıt University, Ankara, Turkey

Cüneyt Alper University of Pittsburg, Pennsylvania, USA

Fazıl Necdet Ardıç Pamukkale University, Denizli, Turkey

Miguel Aristegui Hospital General Universitario Gregorio Maranon, Madrid, Spain

Bernard Ars University of Antwerp, Antwerp, Belgium

Nenad Arsovic Belgrade Otorhinolaryngology Clinic, Belgrade, Serbia

Asım Aslan Celal Bayar University, Manisa, Turkey

Ahmet Ataş İstanbul University, İstanbul, Turkey Thomas Lenarz Medizinische Hochschule Hannover, Hannover, Germany

Simon Lloyd University of Manchester, Manchester, UK

Jacques Magnan Causse Ear Clinic, Beziers, France

Gerry O'Donoghue Queens Medical Centre, Nottingham, UK

F. Erwin Offeciers Sint-Augustinus Hospital University, Wilrijk, Belgium

Seung Ha Oh Seoul National University Hospital, Seoul, South Korea

Milan Profant Department of Otorhinolaryngology, Bratislava University, Bratislava, Slovakia

Graziela Souza Queiroz Martins University of Sao Paulo, Sao Paulo, Brasil

Angel Ramos University Hospital Insular, Las Palmas, Spaim

Paul Avan Université d'Auvergne, Clermont-Ferrand, France

Manohar Bance Dalhousie University, Halifax Nova Scotia, Canada

Maurizio Barbara Sapienza University, Sant'Andrea Hospital, Rome, Italy

Saba Battelino University Medical Centre, Ljubljana, Slovenia

Yıldırım Bayazıt Medipol University, İstanbul, Turkey

Aziz Belal Alex Ear Center, Alexandria, Egypt

Ricardo Bento University of Sao Paulo, Sao Paulo, Brazil

Daniele Bernardeschi GH Pitié Salpêtrière, Paris, France

Dirk Beutner HNO-Universitätsklinik Köln, Köln, Germany

Anirban Biswas Neurotology Center, Kalkota, India

Bruce Black Royal CHildren's Hospital, Brisbane, Australia

Srecko Branica University of Zagreb, Zagreb, Croatia Masafumi Sakagami Hyogo College of Medicine, Hyogo, Japan

Bülent Satar GATA Medical School, Ankara, Turkey

Thomas Somers Sint-Augustinus Hospital University, Wilrijk, Belgium

Holger Sudhoff Bielefeld Academic Teaching Hospital, Muenster University, Bielefeld, Germany

Per Caye Thomasen Gentofte University Hospital, Hellerup, Denmark

Franco Trabalzini University of Siena, Siena, Italy

Robby Vanspauwen Department of Ear Nose Throat, Sint-Augustinus Antwerp European Institute For ORL, Wilrijk, Belgium

Ashley Wackym Ear and Skull Base Institute, Portland, Oregon, USA

Robert Briggs Royal Victorian Eye and Ear Hospital, Melbourne, Australia

Augusto Casani Pisa University, Pisa, Italy

Carlos Cenjor Español Fundacion Jimenez Diaz - Clinica Nuestra Senora Concepcion, Madrid, Spain

Udi Cinamon Edith Wolfson Medical Center, Cholon, Israel

Marcel Cosgarea University of Medicine and Pharmacy "Iuliu Hatieganu", Cluj-Napoca, Romania

Vincent Cousins The Alfred Hospital, Melbourne, Australia

Sebahattin Cüreoğlu University of Minnesota, Minneapolis, USA

Onur Çelik Celal Bayar University, Manisa, Turkey

Chunfu Dai University of Shangai, Shangai, China

Vincent Darrouzet Hopital Pellegrin, Bordeaux, France

Rubens de Brito University of Sao Paulo, Sao Paulo, Brazil

Angel Ramos de Miguel Las Palmas University, Las Palmas de Gran Canaria, Spain

Olivier Deguine University of Toulouse, Toulouse, France

Antonio della Volpe Santobono Paediatric Hospital, Naples, Italy

Arnaud Deveeze Clinique Clairval, Marseille, France

İrfan Devranoğlu İstanbul University, İstanbul, Turkey

Aarno Dietz Kuopio University Hospital, Kuopio, Finland

Norbert Dillier University Hospital Zürich, Zurich, Switzerland

Neil Donnelly Spire Cambridge Lea Hospital, Cambridge, UK

John Dornhoffer UAMS Medical Center Little Rock, USA

Bruce M. Edwards University of Michigan, Ann Arbor, USA

Antonio Lopez Escamez Universidad de Granada, Granada, Spain

Jose Fayad Saudi Aramco, Dhahran, Saudi Arabia

Roberto Filipo Sapienza University, Rome, Italy

Peter Franz Rudolfstiftung Teaching Hospital, Vienna, Austria

Bernard Fraysse University of Toulouse, Toulouse, France

Henning Frenzel Universitätsklinikum Schleswig-Holstein, Lübeck, Germany

Arun Gadre University of Louisville, Louisville, USA

Michael Gaihede Aarhus University, Aarhus, Sweden

Aydan Genç Department of Audiology Hacettepe University School of Medicine, Ankara, Turkey

Imre Gerlinger Department of Ear Nose Throat University Pécs, Pécs, Hungary

Mislav Gjuric SINTEZA Health Center, Zagreb, Croatia Wilko Grolman University of Utrecht, Utrecht, Netherlands

Enis Alpin Güneri Dokuz Eylül University İzmir, Turkey

Jean-Philippe Guyot University of Geneva, Geneva, Switzerland

İbrahim Hızalan Novomet Ear Nose Throat Center, Bursa, Turkey

Margriet A. Huisman Leiden University, Leiden, The Netherlands

Malou Hultcrantz University of Karolinska, Stockholm, Sweden

Karl-Bernd Hüttenbrink University of Köln, Köln, Germany

Yukiko lino Jichi Medical University Saitama Medical Center, Saitama, Japan

Armağan İncesulu Eskişehir Osmangazi University, Eskişehir, Turkey

Adrian James The Hospital for Sick Children, Ontario, Canada

Herman Jenkins University of Colorado, Aurora, USA

Daniel Jiang St Thomas' Hospital, London, UK

Seiji Kakehata Yamagata University, Yamagata, Japan

Mohan Kameswaran Madras Ear Nose Throat Research Foundation, Chennai, India

Daniel Kaplan Ben Gurion University, Beer Sheva, Israel

Herman Kingma University of Maastricht, Maastricht, The Netherlands

Tayfun Kirazlı Ege University, İzmir, Turkey

Mete Kiroğlu Çukurova University, Adana, Turkey

Hiromi Kojima Jikei University, Tokyo, Japan

Nazım Korkut İstanbul University, İstanbul, Turkey

Sergey Kosyakov Russian Medcal Academy for Postgraduate Education, Moscow, Russia Rudi Kuhweide A.Z. St.-Jan Brugge A.V., Bruges, Belgium

Roland Laszig University of Freiburg, Freiburg, Germany

Thomas Lenarz Medizinische Hochschule Hannover, Hannover, Germany

Thomas Linder University of Luzern, Luzern, Switzerland

Simon Lloyd University of Manchester, Manchester, UK

Jacques Magnan Causse Ear Clinic, Beziers, France

Mans Magnusson University of Lund, Lund, Sweden

Marco Mandala University of Siena, Siena, Italy

Manuel Manrique University of Pamplona, Pamplona, Spain

Salah Mansour Lebanese University, Beirut, Lebanon

Daniele Marchioni University of Verona, Verona, Italy

Paul Merkus VU University Medical Center Amsterdam, Amsterdam, The Netherlands

Hidemi Miyazaki Kyosai Hospital, Tokyo, Japan

Constantino Morera University of Valencia, Valencia, Spain

Badr Eldin Mostafa Ain-Shams University, Cairo, Egypt

Jef Mulder Radboud University Hospital, Nijmegen, The Netherlands

Marcus Neudert Technische Universität Dresden, Dresden, Germany

Thomas Nikolopoulos University of Athens, Athens, Greece

Daniel Nuti Universita degli Studi di Siena, Siena, Italy

Gerry O'Donoghue Queens Medical Centre, Nottingham, UK

Stephen O'Leary University of Melbourne, Melbourne, Australia

Onur Odabaşı Adnan Menderes University, Aydın, Turkey

F. Erwin Offeciers Sint-Augustinus Hospital University, Wilrijk, Belgium Seung Ha Oh

Seoul National University Hospital, Seoul, South Korea

Levent Olgun İzmir Bozyaka Hospital, İzmir, Turkey

Carlos A. Oliveira University of Brasília Medical School, Brasilia, Brazil

Ewa Olszewska Medical University of Bialystok, Bialystok, Poland

Eva Orzan Audiology and Otorhinolaryngology Institute for Maternal and Child Health IRCCS "Burlo Garofolo", Trieste, Italy

Levent Naci Özlüoğlu Başkent University, Ankara, Turkey

Blake Papsin University of Toronto, Toronto, Canada

Ronen Perez Shaare Zedek Medical Center, Jerusalem, Israel

Nicolas Perez Fernandez University of Navarra, Navarra, Spain

Stefan Plontke University Hospital Halle, Saale, Germany

Milan Profant Department of Otorhinolaryngology University of Bratislava, Bratislava, Slovakia

Nicola Quaranta University of Bari, Bari, Italy

Angel Ramos University Hospital Insular, Las Palmas, Spaim

Giampietro Ricci University of Perugia, Perugia, Italy



Publisher İbrahim KARA

Publication Director Ali ŞAHİN

Deputy Publication Director Gökhan ÇİMEN

Publication Coordinators Betül ÇİMEN Zeynep YAKIŞIRER Gizem KAYAN John Rutka Toronto General Hospital, Toronto, Canada

Ayşe Sanem Sahli Department of Audiology Hacettepe University School of Medicine, Ankara, Turkey

Masafumi Sakagami Hyogo College of Medicine, Hyogo, Japan

Issam Saliba University of Montreal, Quebec, Canada

Mario Sanna Gruppo Otologico, Piacenza, Italy

Pascal Senn University of Geneve, Geneve, Switzerland

Avi Shupak Technion - Israel Institute of Technology, Haifa, Israel

Henryk Skarzynski World Hearing Center, Warsaw, Poland

Ad Snik University of Nijmegen, Nijmegen, The Netherlands

Thomas Somers Sint-Augustinus Hospital University, Wilrijk, Belgium

Holger Sudhoff Bielefeld Academic Teaching Hospital, Muenster University, Bielefeld, Germany

Witold Szyfter Poznan University of Medical Sciences, Poznan, Poland

Bülent Şerbetçioğlu Dokuz Eylül University, İzmir, Türkiye

Haruo Takahashi University of Nagasaki, Nagasaki, Japan

Rinze A. Tange University of Utrecht, Utrecht, The Netherlands

George Tavartkiladze National Research Centre for Audiology and Hearing Rehabilitation, Moscow, Russia

> Melike Buse ŞENAY Özlem ÇAKMAK Ceren ALĞIN Okay AYDOĞAN

Project Coordinator Hakan ERTEN

Project Assistants Aylin ATALAY Şükriye YILMAZ Cansu ERDOĞAN Per Caye Thomasen Gentofte University Hospital, Hellerup, Denmark

Tetsuya Tono Miyazaki Medical College, Miyazaki, Japan

Vedat Topsakal University of Utrecht, Utrecht, The Netherlands

Franco Trabalzini University of Siena, Siena, Italy

Eric Truy University of Lyon, Lyon, France

Nina Bozanic Urbancic University Medical Centre Ljubljana, Ljubljana, Slovenia

Cem Uzun Trakya University, Edirne, Turkey

Paul Van de Heyning University of Antwerp, Antwerp, Belgium

Frederic Venail CHU Montpellier, Montpeiller, France

Christophe Vincent Lille University Hospital, Lille, France

Magnus von Unge Akershus Universitetssykehus, Nordbyhagen, Norway

Ashley Wackym Ear and Skull Base Institute, Portland, Oregon, USA

Stephen Wetmore University West Virginia Medical Center, Morgantown, USA

Sertaç Yetişer Anadolu Hospital, İstanbul, Turkey

Orhan Yılmaz Dışkapı Hospital, Ankara, Turkey

Robin Youngs Gloucestershire Royal Hospital, Gloucestershire, UK

Diego Zanetti University of Milano, Milano, Italy

Graphics Department Ünal ÖZER Neslihan YAMAN Deniz DURAN

Contact Address: Büyükdere Cad. No: 105/9 34394 Mecidiyeköy Şişli, İstanbul, Turkey Phone: +90 212 217 17 00 Fax: +90 212 217 22 92 E-mail: info@avesyayincilik.com

Aims and Scope

The Journal of International Advanced Otology (IAO – Citation Abbreviation: J Int Adv Otol) is an open access double-blind peer-reviewed, international publication. The Journal of International Advanced Otology is fully sponsored and owned by the European Academy of Otology and Neurotology and the Politzer Society. The Journal of International Advanced Otology is published 3 times per year on April, August, December and its publication language is English.

The scope of the Journal is limited with otology, neurotology, audiology (excluding linguistics) and skull base medicine.

The Journal of International Advanced Otology aims to publish manuscripts at the highest clinical and scientific level. J Int Adv Otol publishes original articles in the form of clinical and basic research, review articles, short reports and a limited number of case reports. Controversial patient discussions, communications on emerging technology, and historical issues will also be considered for publication.

Target audience of J Int Adv Otol includes physicians and academic people who are interested in both clinical and basic sciences.

Editorial and publication processes of the journal are shaped in accordance with the guidelines of the international organizations such as the International Council of Medical Journal Editors (ICMJE), the World Association of Medical Editors (WAME), the Council of Science Editors (CSE), the Committee on Publication Ethics (COPE), the European Association of Science Editors (EASE)

The Journal of International Advanced Otology is indexed in Science Citation Index Expanded, PubMed/MEDLINE, EBSCO, PROQUEST, SCOPUS.

J Int Adv Otol is funded by revenue generated by advertising as well as the support of the European Academy of Otology and Neurotology and the Politzer Society.

Subscription information

The access to all full-text issues of the journal is free at www.advancedotology.org. To become a member of the journal, please get in contact with the Editorial Office through jiao@advancedotology.org.

Permissions and Reprints

Permissions for reproduction of materials published and reprints in the Journal of International Advanced Otology should be requested from the editorial office at jiao@advancedotology.org. Authors who submit color figures will receive an estimate of the cost for color reproduction.

Advertising

For requests concerning advertising, please contact the Publisher.

Editorial Office: Prof. Dr. O. Nuri Ozgirgin

Address: Bayındır Hospital, Söğütözü, Ankara, Turkey Tel: +90 312 287 90 00 – int: 7811 Fax: +90 312 284 42 76 e-mail: ozgirgin@politzersociety.org

Publisher: AVES

Address: Büyükdere Cad. 105/9 34394 Mecidiyeköy, Şişli, İstanbul Phone: +90 212 217 17 00 Fax: +90 212 217 22 92 Web page: www.avesyayincilik.com E-mail: info@avesyayincilik.com

Material Disclaimer

Statements or opinions expressed in the manuscripts published in the Journal of International Advanced Otology reflect the views of the author(s) and not the opinions of the editors, the editorial board and the publisher; the editors, the editorial board and the publisher disclaim any responsibility or liability for such materials.

The journal is printed on an acid-free paper.



Instructions to Authors

The Journal of International Advanced Otology (IAO – Citation Abbreviation: J Int Adv Otol) is a open access, double-blind peer-reviewed, international publication. The Journal of International Advanced Otology is fully sponsored and owned by the European Academy of Otology and Neurotology and the Politzer Society. The journal is directed to an audience of physicians who are interested in both clinical and basic sciences. The Journal of International Advanced Otology publishes original articles in the form of clinical and basic research, review articles, short reports and a limited number of case reports. Controversial patient discussions, communications on emerging technology, and historical issues will also be considered for publication.

Editorial and publication processes of the journal are shaped in accordance with the guidelines of the international organizations such as the International Council of Medical Journal Editors (ICMJE), the World Association of Medical Editors (WAME), the Council of Science Editors (CSE), the Committee on Publication Ethics (COPE), the European Association of Science Editors (EASE)

The Journal of International Advanced Otology will only evaluate manuscripts submitted via the journal's self-explanatory online manuscript submission and evaluation system, manuscripts submitted via any other medium will not be evaluated.

Previously published manuscripts (except in the form of an abstract or a preliminary report), and manuscripts that are under consideration for possible publication elsewhere will not be accepted for evaluation.

The Journal of International Advanced Otology requires each submission to be accompanied by a Copyright Transfer Form, an Author Contributions Form and an ICMJE Form for Disclosure of Potential Conflicts of Interest.

Statements or opinions expressed in the manuscripts published in the Journal of International Advanced Otology reflect the views of the author(s) and not the opinions of the editors, the editorial board and the publisher; the editors, the editorial board and the publisher disclaim any responsibility or liability for such materials.

The final responsibility in regard to the published articles rests with the authors.

Each individual listed as an author should fulfil the authorship criteria recommended by the International Committee of Medical Journal Editors (Uniform Requirements for Manuscripts Submitted to Biomedical Journals. http://www.icmje.org). Individuals who contributed to the preparation of the manuscript but do not fulfil the authorship criteria should be acknowledged in an acknowledgments section, which should be included in the title page of the manuscript.

The Journal of International Advanced Otology requires and encourages the authors and the individuals involved in the evaluation process to disclose any existing or potential conflicts of interests including financial, consultant, institutional and other relationships that might lead to bias or a conflict of interest.

All sources of funding should be acknowledged in the manuscript.

The authors should state in the Materials and Methods section of the main text that experiments have been performed in comply with the ethical principles of the assigned institutional board or national committee. Application or approval number/year for the study should also be indicated. For animal experiments, the authors additionally should state that international standards regarding the animal care and handling have been followed during the experiments.

It is the author's responsibility to ensure that a patient's anonymity be carefully protected and to verify that any experimental investigation with human subjects reported in the manuscript was performed with informed consent and following all the guidelines for experimental investigation with human subjects required by the institution(s) with which all the authors are affiliated. For photographs that may reveal the identity of the patients, releases signed by the patient or their legal representative should be enclosed; otherwise, patient names or eyes must be masked out to prevent identification.

When reporting experiments on human subjects, indicate whether the procedures followed were in accordance with the ethical standards of the responsible committee on human experimentation (institutional or regional) and with the Helsinki Declaration (JAMA 2000;284:3043–3049).

As part of submission of the manuscript, the correspondent author should send a short statement declaring that he/she accepts to undertake all the responsibility for authorship during the submission and review stages of the manuscript.

Originality, high scientific quality and citation potential are the most important criteria for a manuscript to be accepted for publication.

Manuscripts submitted to the journal will first go through a technical evaluation process where the editorial office staff will ensure that the manuscript is prepared and submitted in accordance with the journal's guidelines. Submissions that don't adhere the journal's guidelines will be returned back to the submitting author with technical correction requests. Manuscripts that adhere the journal's guidelines will be reviewed by at least 3 external peer reviewers during the evaluation process. The Editor in Chief is the final authority in the decision making process.

Authors of a paper accepted for publication in IAO should be in consent of that editors could make corrections without changing the basic meaning of the text of the manuscript.

The submitting authors will be automatically informed by the journal's manuscript submission and evaluation system of any changes in the status of their submission.

MANUSCRIPT PREPARATION

Manuscripts should be prepared in accordance with the ICMJE - Recommendations for the Conduct, Reporting, Editing and Publication of Scholarly Work in Medical Journals (updated in December 2016 – available at www.icmje.org).

Original Investigations and Reviews should be presented according to the guidelines: randomized study – CONSORT, observational study – STROBE, study on diagnostic accuracy – STARD, systematic reviews and meta-analysis PRISMA, animal experimental studies – ARRIVE, nonrandomized behavioural and public health intervention studies – TREND.

Title page

A separate title page should be submitted with all submissions and should include the title of the manuscript, name(s), affiliations and major degree(s) of the author(s) and source(s) of the work or study, a short title (running head) of no more than 50 characters. The name, address, telephone (including the mobile phone number) and fax numbers and e-mail address of the corresponding author should be listed on the title page. Grant information and other sources of support should also be included on the Title page. Individuals who contributed to the preparation of the manuscript but do not fulfil the authorship criteria should be acknowledged in the title page.

Main Document

Abstract

All manuscripts should be accompanied an abstract. A structured abstract is required with original articles and it should include the following subheadings: Objective, Materials and Methods, Results and Conclusion. A structured abstract is not required with review articles and case reports. The abstract should be limited to 250 words for original articles and review articles and 150 words for case reports.

Key Words

Each submission should be accompanied by 3 to 5 key words which should be picked from the Medical Subject Headings (MeSH) list (www.nlm. nih.gov/mesh/MBrowser.html).

Main Text

The main text of Case Reports should be limited with 1200 words and should be structured with the following subheadings; Introduction, Case Presentation and Discussion. The maximum number of references cited in a case report should be 10.

The subheadings of the review articles should be planned by the authors. However, each review article should include a "Conclusion" section. The main text of review articles should be limited with 5000 words. The number of references cited should not exceed 50.

Original Articles should be structured with Introduction, Materials and Methods, Results subheadings Discussion. The number of references cited should not exceed 35 and the main text should be limited to 3000 words.

All acronyms and abbreviations used in the manuscript should be defined at first use, both in the abstract and the main text. The abbreviation should be provided in parenthesis following the definition.

Statistical analysis should be performed in accordance with guidelines on reporting statistics in medical journals (Altman DG, Gore SM, Gardner MJ, Pocock SJ. Statistical guidelines for contributors to medical journals. Br Med J 1983: 7; 1489-93.). Information on the statistical analysis process of the study should be provided within the main text.

When a drug, product, hardware, or software mentioned within the main text product information, including the name of the product, producer of the product, city of the company and the country of the company should be provided in parenthesis in the following format: "Discovery St PET/CT scanner (General Electric, Milwaukee, WI, USA)"

All references, tables and figures should be referred to within the main text and they should be numbered consecutively in the order they are referred to within the main text.

Limitations, drawbacks and shortcomings of original articles should be mentioned in the "Discussion" section before the conclusion paragraph.

References

References should be numbered consecutively in the order they are referred to within the main text and all references listed in the reference list should be referred to within the main text in parenthesis. Style and punctuation of each reference in the reference list should be in accordance with the examples listed below;

Standard journal article: Journal titles should be abbreviated in accordance with journal abbreviations used in Index Medicus (for journal abbreviations consult List of Journals indexed for MEDLINE published annually by NLM at http://www.nlm.nih.gov/tsd/serials/lji.html). When there are six or fewer authors, all authors should be listed. If there are seven or more authors, first 6 should be listed, followed by "et al.". A list of authors should be followed by the full title of the article, journal title, year, volume and page numbers.

Example: Pirvola U, Xing-Qun L, Virkkala J, Saarma M, Murakata C, Camoratto AM, et al. Rescue of hearing, auditory hair cells, and neurons by CEP-1347/KT7515, an inhibitor of c-Jun N-terminal kinase activation. J Neurosci 2000; 20: 43-50.

Books

Chapter in a book: Sherry S. Detection of thrombi. In: Strauss HE, Pitt B, James AE, editors. Cardiovascular Medicine. St Louis: Mosby; 1974.p. 273-85.

Personal author(s): Cohn PF. Silent myocardial ischemia and infarction. 3rd ed. New York: Marcel Dekker; 1993.

Editor(s), compiler(s) as author: Norman IJ, Redfern SJ, editors. Mental health care for elderly people. New York: Churchill Livingstone; 1996.

Conference paper:

Bengisson S. Sothemin BG. Enforcement of data protection, privacy and security in medical informatics. In: Lun KC, Degoulet P, Piemme TE, Rienhoff O, editors. MEDINFO 92. Proceedings of the 7th World Congress on Medical Informatics; 1992 Sept 6-10; Geneva, Switzerland. Amsterdam: North-Holland; 1992. P. 1561-5.

Scientific or technical report:

Smith P. Golladay K. Payment for durable medical equipment billed during skilled nursing facility stays. Final report. Dallas (TX) Dept. of Health and Human Services (US). Office of Evaluation and Inspections: 1994 Oct. Report No: HHSIGOE 169200860.

Dissertation:

Kaplan SI. Post-hospital home health care: the elderly access and utilization (dissertation). St. Louis (MO): Washington Univ. 1995.

Article in electronic format:

Morse SS. Factors in the emergence of infectious diseases. Emerg Infect Dis (serial online) 1995 Jan-Mar (cited 1996 June 5): 1(1): (24 screens). Available from: http://www.cdc.gov/ncidodlElD/cid.htm.

Tables

Tables should be included in the main document and should be presented after the reference list. Tables should be numbered consecutively in the order they are referred to within the main text. A descriptive title should be provided for all tables and the titles should be placed above the tables. Abbreviations used in the tables should be defined below the tables by footnotes (even if they are defined within the main text). Tables should be created using the "insert table" command of the word processing software and they should be arranged clearly to provide an easy reading. Data presented in the tables should not be a repetition of the data presented within the main text but should be supporting the main text.

Figures and Figure Legends

Figures, graphics and photographs should be submitted as separate files (JPEG format) through the submission system. The files should not be embedded in a Word document or the main document. When there are figure subunits, the subunits should not be merged to form a single image. Each subunit should be submitted separately through the submission system. Images should not be labelled (a, b, c, etc.) to indicate figure subunits. Thick and thin arrows, arrowheads, stars, asterisks and similar marks can be used on the images to support figure legends. Like the rest of the submission, the figures too should be blind. Any information within the images that may indicate an individual or institution should be blinded. The minimum resolution of each submitted figure should be 300DPI. To prevent delays in the evaluation process all submitted figures should be clear in resolution and large in size (minimum dimensions 100x100mm)

Color figures: Authors who submit color figures will receive an estimate of the cost for color reproduction. Otherwise the figures will be converted to black and white.

Figure legends should be listed at the end of the main document. When there are figure subunits, the figure legends should be structured in the following format.

Example: Figure 4. a-d. Effects of xylitol on viability of HMEECs and HEI-OC1s. Xylitol at concentrations of up to 1000 µg/mL did not decrease the viability of HMEECs and HEI-OC1s (a). Xylitol at concentrations of up to 1000 µg/mL did not induce apoptosis or necrosis of HMEECs and HEI-OC1s (b, c). Morphology of HMEECs and HEI-OC1s remained unchanged by xylitol at concentrations of up to 1000 µg/mL (light microscope, x200 and Hoechst 33342 staining, x400). The data shown are means±standard deviations of three repeated experiments from six samples (c, d)

Once a manuscript is accepted for publication it will be provided with a registered DOI number following the acceptance decision. Manuscripts accepted for publication by the Journal of International Advanced Otology will be published as ahead of print articles prior to the printing date of their scheduled issue. Corresponding author will be provided with a PDF Proof by the publisher once the production process of an accepted manuscript is over. The publisher will request the corresponding author to list their correction requests if there are any and approve the publication of the manuscript.

Subscription information

The access to all full-text issues of the journal is free at www.advancedotology.org. To become a member of the journal, please get in contact with the Editorial Office through jiao@advancedotology.org.

Permissions and Reprints

Permissions for reproduction of materials published and reprints in the Journal of International Advanced Otology should be requested from the editorial office at ozgirgin@politzersociety.org.

Contents

153 | Editorial

Original Articles

- 154 Vestibular Response to Electrical Stimulation of the Otolith Organs. Implications in the Development of A Vestibular Implant for the Improvement of the Sensation of Gravitoinertial Accelerations Angel Ramos de Miguel, Juan Carlos Falcon Gonzalez, Angel Ramos Macias
- 162 Hearing and Otoacoustic Emission Outcome of Stapedotomy: Does the Prosthesis Diameter Matter? Nabil Faranesh, Ebrahim Magamseh, Suliman Zaaroura, Reem Zeidan, Avi Shupak
- 171 Cartilage Ossiculoplasty from Stapes to Tympanic Membrane in One-Stage Intact Canal Wall Tympanoplasty for Cholesteatoma Denis Ayache, Florent Manac'h, Christian B. Teszler, Mathieu Veyrat, Wissame El Bakkouri, Alain Corré, Mary Daval
- 176 Clinical Characteristics of Chronic Perforated Otitis Media in Different Age Groups Masayo Hasegawa, Akihiro Shinnabe, Hiromi Kanazawa, Yukiko Iino, Naohiro Yoshida
- 181 Single Stage Canal Wall Down Mastoidectomy with Reconstruction of the Canal Wall: 5 Years' Experience in Fayoum Province, Egypt

Mohamed Qotb, Tamer Fawzy, Waleed Ragab

- 186 Complications of the Middle Cranial Fossa Approach for Acoustic Neuroma Removal Matthias Scheich, Christian Ginzkey, Desiree Ehrmann-Müller, Wafaa Shehata-Dieler, Rudolf Hagen
- 191 Eustachian Tube Obliteration and its Effect on Rhinoliquorrhea in Translabyrinthine Vestibular Schwannoma Excision Christophe Moderie, Anastasios Maniakas, Robert Moumdjian, Salman F. Alhabib, Issam Saliba
- 195 | Platelet-Rich Plasma Application for Acute Tympanic Membrane Perforations | Selmin Karataylı Özgürsoy, M. Emin Tunçkaşık, Fatma Tunçkaşık, Egemen Akıncıoğlu, Handan Doğan, Sinan Kocatürk
- 200 A Comparison Study of Partial Ossicular Reconstruction Prosthesis (PORP) Placement under the Malleus or Tympanic Membrane Graft in the Presence of the Malleus Ahmet Mutlu, Özlem Topdağ, Murat Topdağ, Mete İşeri, Selvet Erdoğan
- 204 A New Hypothesis on the Frequency Discrimination of the Cochlea Erdoğan Bulut, Cem Uzun, Levent Öztürk, Pınar Turan, Mehmet Kanter, Serap Arbak
- 211 Questionnaires in Patients with Unilateral Sudden Sensorineural Hearing Loss Gyu Ho Hwang, Jae Woo Joo, In Sik Song, Yoon Chan Rah, June Choi
- 217 Neutrophil-to-Lymphocyte and Platelet-to- Lymphocyte Ratios in Pediatric Patients with Idiopathic Sudden Hearing Loss Suphi Bulğurcu, Bünyamin Dikilitaş, İlker Burak Arslan, İbrahim Çukurova
- 221 Multiple-Frequency Matching Treatment Strategy for Tinnitus Yuan Tao, Xiaodong Chang, Sheng Ye, Guangxing Chu, Tian Guan, Jian Wang, Peiying Zeng
- 226 Evaluation of Hearing Handicap in Adults with Auditory Neuropathy Spectrum Disorder Prashanth Prabhu
- 230 Waardenburg Syndrome: An Unusual Indication of Cochlear Implantation Experienced in 11 Patients Feda Bayrak, Tolgahan Çatlı, Görkem Atsal, Taşkın Tokat, Levent Olgun
- 233 Audiological and Radiological Characteristics in Incomplete Partition Malformations Merve Özbal Batuk, Betül Çiçek Çınar, Burçe Özgen, Gonca Sennaroğlu, Levent Sennaroğlu

- 239 Acoustic Analysis of Used Tuning Forks Mustafa Yüksel, Yusuf Kemal Kemaloğlu
- 243 Selective Window Application of Gentamicin+ Dexamethasone in Meniere's Disease Fazıl Necdet Ardıç, Funda Tümkaya, Kamil Aykal, Burçin Çabuk
- 247 Can We Improve Pressure Feedback Methods in Vestibular Evoked Myogenic Potentials by Applying Custom Pressures? Ömer Afşin Özmen, Kasım Özlük, Süay Özmen, Oğuz Basut
- 254 Subjective Visual Vertical and Horizontal in Vestibular Migraine Gaurav Ashish, Ann Mary Augustine, Amit Kumar Tyagi, Anjali Lepcha, Achamma Balraj
- 259 Association of Benign Paroxysmal Positional Vertigo with Osteoporosis and Vitamin D Deficiency: A Case Controlled Study Abdullah Karataş, Gülşah Acar Yüceant, Turgut Yüce, Cemal Hacı, Işıl Taylan Cebi, Mehti Salviz

Review

266 Cholesteatoma Definition and Classification: A Literature Review Justyna Rutkowska, Nuri Özgirgin, Ewa Olszewska

Letter to the Editor

272 Implementation of the "EAONO/JOS Definitions and Classification of Middle Ear Cholesteatoma" - from STAM to STAMCO Paul Merkus, Fleur A. ten Tije, Mariska Stam, Frederique M.L. Tan, Robert Jan Pauw

Clinical Reports

- 276 Effects of Selective Seratonine Re-Uptake Inhibitors on Meniere's Disease Olcay Kıroğlu, Özgür Sürmelioğlu, Mete Kıroğlu
- 279 Sub-Galeal Pneumocele 20 Years after Cochlear Implantation Casey Hay, Nishant Sharma, Arun Gadre

Case Reports

- 282 Simultaneous Coexistence of Complications of Chronic Otitis Media in the Same Case Sema Zer Toros, Çiğdem Tepe Karaca, Çiğdem Kalaycık Ertugay, Seniha Şenbayrak, Ömer Çağatay Ertugay, Lütfü Şeneldir
- 285 Intralabyrinthine Vestibular Schwannoma Responsive to Intratympanic Gentamicin Treatment Edoardo Covelli, Luigi Volpini, Chiara Filippi, Silvia Tarantini, Vania Marrone, Simonetta Monini, Maurizio Barbara
- 289 Sporadic Endolymphatic Sac Tumor-A Very Rare Cause of Hearing Loss, Tinnitus, and Dizziness Didde Trærup Schnack, Katalin Kiss, Søren Hansen, Hidemi Miyazaki, Birgitte Bech, Per Caye-Thomasen
- 292 Ceruminous Adenoid Cystic Carcinoma of External Auditory Canal Andrew E. Ebelhar, Dava S. West, Rony K. Aouad
- 295 Recovery of Tinnitus and Sensorineural Hearing Loss Due to Lysis of Arachnoid Adhesions in the Posterior Cranial Fossa: Is There a Novel Etiology in Neurotological Disorders?

Raşit Cevizci, Alper Dilci, Ahmet Mahmut Tekin, Yıldırım Bayazıt

298 | Erratum