Premiere Publications from The Triological Society

Read all three of our prestigious publications, each offering high-quality content to keep you informed with the latest developments in the field.

**The Laryngoscope**
FOUNDED IN 1896

Editor-in-Chief: Michael G. Stewart, MD, MPH
The leading source for information in head and neck disorders.
[Laryngoscope.com](http://Laryngoscope.com)

**Laryngoscope Investigative Otolaryngology**
Open Access

Editor-in-Chief: D. Bradley Welling, MD, PhD, FACS
Rapid dissemination of the science and practice of otolaryngology-head and neck surgery.
[InvestigativeOto.com](http://InvestigativeOto.com)

**ENTtoday**
A publication of the Triological Society

Editor-in-Chief: Alexander Chiu, MD
Must-have timely information that Otolaryngologist-head and neck surgeons can use in daily practice.
[Enttoday.org](http://Enttoday.org)

WILEY
## CONTENTS

**THE Laryngoscope**

**VOLUME 128 | NUMBER 7 | JULY 2018 | www.laryngoscope.com**

### EDITORIAL

1507  
President’s Address: Integrity, Unity, and Our Common Sense of Purpose With the ALA  
*Kenneth W. Altman, MD, PhD*

### GENERAL OTOLARYNGOLOGY

1510  
Predatory Journals: Enough is Enough  
*Mauricio Camacho, MD; Lauren K. Reckley, MD*

### TRIO SOCIETY BEST PRACTICE

1511  
What Is the Appropriate Timing for Endoscopic and Radiographic Surveillance Following Treatment for Sinonasal Malignancies?  
*Arjun K. Parasher, MD, MPhil; Edward C. Kuan, MD, MBA; Maie A. St. John, MD, PhD; Bobby A. Tajudeen, MD; Nithin D. Adappa, MD*

1513  
Does Intraglandular Injection of Botulinum Toxin Improve Pediatric Sialorrhea?  
*Amy Hughes, MD; Sukgi Choi, MD*

### ALLERGY/RHINOLOGY

1515  
Case Report: HPV-Related Carcinoma With Adenoid Cystic-Like Features of the Sinonasal Tract  
*Robert J. Chouake, BS; Molly Cohen, MD; Alfred-Marc Iloreta, MD*

1518  
Examination of Olfactory Training Effectiveness in Relation to Its Complexity and the Cause of Olfactory Loss  
*Anna Oleszkiewicz, PhD; Sandra Hanf, Cand Med; Katie L. Whitcroft, MD; Anjie Haehner, Prof. Dr. med.; Thomas Hummel, Prof. Dr. med.*

1523  
Nasoseptal Flap Closure of the Eustachian Tube for Recalcitrant Cerebrospinal Fluid Rhinorrhea  
*Vishal S. Patel, BS; Garret W. Choby, MD; Andrew Thanboo, MD, MHSc; Nikolas H. Blevins, MD; Peter H. Hwang, MD*

1527  
The “Cross-court Draft IIb” Procedure for Advanced Nasal Septum or Frontal Sinus Pathology and Nasal Septum Pathology  
*Garret Choby, MD; Jayakar V. Nayak, MD, PhD*

1531  
Brain Volume Changes in Hyposmic Patients Before and After Olfactory Training  
*Janine Gellrich, MD; Pengfei Han, PhD; Cedric Manesse, PhD; Amelie Betz; Anne Junghanns; Claudia Raue, MD; Valentin A. Schriefer, MD; Thomas Hummel, MD*

1537  
Circadian Anosmia: A Rare Clinical Presentation  
*Basile N. Landis, MD; Julien W. Hsieh, MD; Géraldine Coppin, PhD*

---

*Supporting information online
Triological Society Paper
American Laryngological Association Paper
Triological Society Best Practice
American Broncho-Esophagological Association Paper*

*This journal is listed in Index Medicus/MEDLINE, Current Contents/Clinical Medicine, Biological Abstracts, Chemical Abstracts, Excerpta Medica, and Science Citation Index.*
The Role of Industry Influence in Sinus Balloon Dilation: Trends Over Time
Shekhar K. Gadkaree, MD; Vinay K. Rath, MD; Esther Gottschalk, MD; Allen L. Feng, MD; Katie M. Phillips, MD; George A. Scangas, MD; Ralph Metson, MD

Complications After Endoscopic Laryngopharyngeal Surgery
Yo Kishimoto, MD, PhD; Tohru Sogami, MD; Ryuji Uozumi, MS; Makiko Funakoshi, MD; Shin-ichi Miyamoto, MD, PhD; Morimasa Kitamura, MD, PhD; Chiaki Suzuki, MD; Manabu Muto, MD, PhD; Ichiro Tateya, MD, PhD; Koichi Oomi, MD, PhD

Relationship Between Degree of Obstruction and Airflow Limitation in Subglottic Stenosis
Emily L. Lin, BS; Jonathan M. Bock, MD, FACS; Carlton J. Zdanski, MD; Julia S. Kimbell, PhD; Guillerme J. M. Garcia, PhD

Prevention of Tracheal Inflammation and Fibrosis Using Nitinol Stent Coated With Doxycycline
Jeong-Seok Choi, MD; Jeong-Mi Kim, PhD; Ji-Won Kim, MD; Young-Mo Kim, MD; In Suh Park, MD; Su-Gunn Yang, PhD

Autografting in the Treatment of Large, Auricular Keloids
David M. Kowalczyk, MD; J. Randall Jordan, MD FACS

A Novel Technique for Tracheal Reconstruction Using a Resorbable Synthetic Mesh
David Chen, MD; Christopher J. Britt, MD; Wojciech Mydlarz, MD; Shaun C. Desai, MD

Toolbox of Assessment Tools of Technical Skills in Otolaryngology–Head and Neck Surgery: A Systematic Review
Mathilde Labe, Meredith Young, PhD; Lily H. P. Nguyen, MD, MSc, FRCSC

Opioid Prescribing Patterns Among Otolaryngologists: Crucial Insights Among the Medicare Population
Peter F. Scider, MD; Khashayar Arianpour, BS; Eric Guo, BS; Elana Folbe, BA; Giancarlo Zuliani, MD; Hosheng Lin, MD; Jean Anderson Eloy, MD, FACS; Adam J. Folbe, MD

Uchechukwu C. Megwu, MD, MPH; Davud Sirjani, MD; Erin E. Devine, PhD

First Bite Syndrome Following Transcervical Arterial Ligation After Transoral Robotic Surgery
Michael C. Topf, MD; Ethan Moritz, BA; John Gleysteen, MD; Joseph M. Curry, MD; David M. Cognetti, MD; Adam J. Luginbuhl, MD

Meta-Analysis of Induction Chemotherapy as a Selection Marker for Chemoradiation in the Head and Neck
Kimberley L. Kiong, MMed (ORL); Nurun Nisa de Souza, MD, MPH; Rehena Sultana, MSc; N. Gopalakrishna Iyer, PhD, FRCSEd

Assessment of Laryngeal Cancer in Patients Younger Than 40 Years
Yuval Nachalon, MD; Uri Alkan, MD; Jacob Shcero, MD; Dan Yanic, MD; Yotam Shkedy, MD; Dror Limon, MD; Aron Popocztzer, MD

Selective Recurrent Laryngeal Nerve Stimulation Using a Penetrating Electrode Array in the Feline Model
Yarah M. Haidar, MD; Ronald Suhbeyni, MS; Omid Mostaghli, MS; Beverly Y. Wang, MD; Hamid R. Djallilian, MD; John C. Middlebrooks, PhD; Sunil P. Verma, MD; Harrison W. Lin, MD
Cough Strength and Expiratory Force in Aspirating and Nonaspirating Postradiation Head and Neck Cancer Survivors
Katherine A. Hutcheson, PhD; Martha P. Barrow, MPH; Carla L. Warneke, MS; Yiqun Wang, MA; George Eapen, MD; Stephen Y. Lai, MD, PhD; Denise A. Barringer, MS; Emily K. Plozman, PhD; Ian S. Lewin, PhD

The Development and Validation of the Speech Quality Instrument
Stephanie Y. Chen, MD; Brianna M. Griffin, MD; Dean Mancuso, AuD; Stephanie Shiau, PhD; Michelle DiMattia, MA; Ilana Cellum, AuD; Kelly Harvey Boyd, MS; Charlotte Prevostau, MD; Gavriel D. Kohlberg, MD; Jaclyn B. Spitzer, PhD; Anil K. Lalwani, MD

Innervation Status in Chronic Vocal Fold Paralysis and Implications for Laryngeal Reinnervation
R. Jun Lin, MD; Libby J. Smith, DO; Michael C. Munin, MD; Shaum Sridharan, MD; Clark A. Rosen, MD

Oblique Thyroarytenoid Muscle in Humans: An Independent Muscle or an Accessory Belly?
Shin-Hyo Lee, PhD; Ki-Seok Koh, PhD; Wu-Chul Song, MD, PhD

Repair of High-Grade Posterior Glottic Stenosis: A Novel Cricocarytenoid Joint Release Technique
Mark Weidenbecher, MD

OTOLOGY/NEUROTOLOGY

Imaging of Labyrinthine Fistula After Repair With Bone Pate
Jeffrey T. Vrabec, MD

Rapidly Growing Cystic Vestibular Schwannoma With Sudden Onset Facial Palsy, Ten Years After Subtotal Excision
Manjunath Dandinarasaiah, MS; Golda Grinblat, MD; Sampath Chandra Prasad, MS, DNB, FEB-ORLHNS; Abdelkader Taibah, MD; Mario Sanna, MD

Sandwich Compression With Rubbery Tourniquet Sheets and Cotton Balls for Auricular Pseudocyst
Ming-Ying Wu, MD; Chun-Bing Chen, MD; Yi-Hsi Chen, MD; Catherine Chang, MD; Kai-Chieh Chan, MD

The Relationship Between Endolymphatic Hydrops in the Vestibule and Low-Frequency Air-Bone Gaps
Satofumi Sugimoto, MD; Tadao Yoshida, MD; Masaaki Teranishi, MD; Yuriko Okazaki, MD; Shinji Naganawa, MD; Michihiko Sone, MD

Evidence Against the Mucosal Traction Theory in Cholesteatoma
Henrique F. Pauna, MD; Rafael C. Monsanto, MD; Patricia Schachern, BS; Michael M. Paparella, MD; Richard A. Chele, MD, PhD; Sebahattin Cureoglu, MD

Tinnitus and Its Risk Factors in African Americans: The Jackson Heart Study
Laura House, MD; Charles E. Bishop, AuD, PhD; Christopher Spankovich, AuD, PhD, MPH; Dan Su, MPH; Karen Valle, MS; John Schweinfurth, MD

The Contribution of Cochlear Implants to Postural Stability
Corey S. Shayman, BS; Martina Mancini, PhD; Tyler S. Weaver, MD; Laurie A. King, PhD, PT; Timothy E. Hullar, MD

Prevalence of Adult Unilateral Hearing Loss and Hearing Aid Use in the United States
Justin S. Golub, MD, MS; Frank R. Lin, MD, PhD; Lawrence R. Lustig, MD; Anil K. Lalwani, MD

Tandem Walking as a Quick Screening Test for Vestibular Disorders
Helen S. Cohen, EdD; Jasmine Stitz, MS; Haleh Sengh-Haghpeykar, PhD; Susan P. Williams, MD; Ajitkumar P. Mulavara, PhD; Brian T. Peters, PhD; Jacob J. Bloomberg, PhD
1692 Clinical Implications of Magnetic Resonance Imaging in Temporomandibular Disorders Patients Presenting Ear Fullness
Sang Yeon Lee, MD; Ji Woon Park, MD, PhD; Seo Eun Park, MD; Dong Woo Nam, MD; Hyun Jung Lim, MD; Young Ho Kim, MD, PhD

PEDIATRICS
1699 Healthcare Disparities in Pediatric Otolaryngology: A Systematic Review
Jad Jabbour, MD, MPH; Thomas Robey, MD; Michael J. Cunningham, MD

1714 Epistaxis in Children and Adolescents With Hereditary Hemorrhagic Telangiectasia
Cristian D. Gonzalez, MD; Jamie Medonald, MS; Dacid A. Stecenson, MD; Kecin J. Whitehead, MD; Matthew G. Petersen, BS; Angela P. Presson, PhD; Qian Ding, MSAT; Kecin F. Wilson, MD

SLEEP MEDICINE
1720 Impact of an Oral Appliance on Obstructive Sleep Apnea Severity, Quality of Life, and Biomarkers
Enrique Fernández-Julían, MD, PhD; Tomás Pérez-Carbonell, PhD; Rocío Marco, MD, PhD; Verónica Pellicer, PhD; Enrique Rodríguez-Borja, MD, PhD; Jaime Marco, MD, PhD

1727 A Case of Hypoglossal Nerve Stimulator-Resistant Obstructive Sleep Apnea Cured With the Addition of a Chin Strap
Apoorva T. Ramaswamy, MD; Carol Li, MD; Maria Y. Suurna, MD

THYROID/PARATHYROID
1730 Recent Progress of Retroauricular Robotic Thyroidectomy With the New Surgical Robotic System
Hyung Kwon Byeon, MD, PhD; F. Christopher Holsinger, MD, FACS; Umamaheswar Duvvuri, MD, PhD; Da Hee Kim, MD; Jae Hong Park, MD, PhD; Estelle Chang, MD, CM, MPH; Se-Heon Kim, MD, PhD; Yoon Woo Koh, MD, PhD

E-ONLY ARTICLES
ALLERGY/RHINOLOGY
E234 Intranasal Immunization With Phosphorylcholine Suppresses Allergic Rhinitis in Mice
Keiichi Miyashita, MD; Junichiro Ohori, MD, PhD; Hiromi Nogano, MD; Satoshi Fukuyama, MD, PhD; Yuichi Kurono, MD, PhD

BRONCHO-ESOPHAGOLOGY
E241 Improved Adductor Function After Canine Recurrent Laryngeal Nerve Injury and Repair Using Muscle Progenitor Cells
Randal C. Paniello, MD, PhD; Sarah Brookes, DVM; Neel K. Bhatt, MD; Khadijah Bijangi-Visheshsaraei, PhD; Hongji Zhang, PhD; Stacey Halum, MD

E247 Toxicity Trial of Canine Posterior Cricoarytenoid Intramuscular Vincristine Injections
Randal C. Paniello, MD, PhD; Neel K. Bhatt, MD; Rebecca Chernock, MD

FACIAL PLASTICS/RECONSTRUCTIVE SURGERY
E251 Co-Culture of Adipose-Derived Stem Cells and Chondrocytes on Three-Dimensionally Printed Bioscaffolds for Craniofacial Cartilage Engineering
Robert J. Morrison, MD; Hassan B. Nasser, MD; Khadij N. Kashlan, MD; David A. Zopf, MD, MS; Derek J. Milner, PhD; Colleen L. Flanagan, MSE; Matthew B. Wheeler, PhD; Glenn E. Green, MD; Scott J. Hollister, PhD
Characteristics and Responses of Human Vocal Fold Cells in a Vibrational Culture Model
Dongjoo Kim, BS; Songyi Lee, MS; Jae-Yol Lim, MD, PhD; Soonjo Kwon, PhD

In Response to “Does the Intraoperative Nerve Monitoring Reliably Aid in Staging of Total Thyroidectomies?”
Ian-Jiun Kuo, MD; Ming-Chin Lan, MD; Yueh-Lung Hsu, MD; Wan-Fu Su, MD

In Reference to To Image or Not to Image? A Cost-effectiveness Analysis of MRI for Patients With Asymmetric Sensorineural Hearing Loss
Robert A. Dobie, MD

In Reference to Should Infants Who Fail Their Newborn Hearing Screen Undergo Cytomegalovirus Testing?
Soren Gantt, MD, PhD, MPH; David M. Goldfarb, MD; Francois Dionne, PhD; Dennis Bulman, PhD; Sara Mentove Doutré, MA

In Response to Should Infants Who Fail Their Newborn Hearing Screen Undergo Cytomegalovirus Testing?
Albert H. Park, MD

In Reference to Evidence Against the Mucosal Traction Theory in Cholesteatoma
Robert K. Jackler, MD; Peter L. Santa María, MD, PhD; Nikolas H. Blevins, MD

On the Cover
Air pressure field in the 10-month-old model with varying levels of simulated subglottic stenosis. Note that the pressure drop becomes increasingly confined to the subglottis as the severity of the obstruction increases.