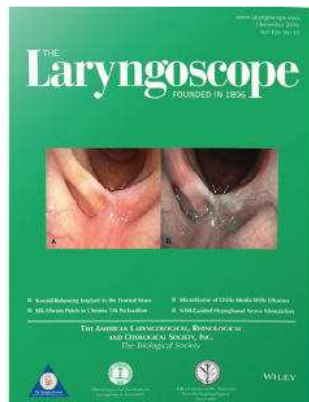


Premiere Publications from The Triological Society

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

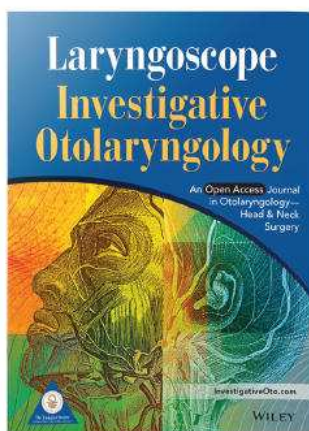


THE Laryngoscope FOUNDED IN 1896

Editor-in-Chief: Michael G. Stewart, MD, MPH

The leading source for information
in head and neck disorders.

Laryngoscope.com

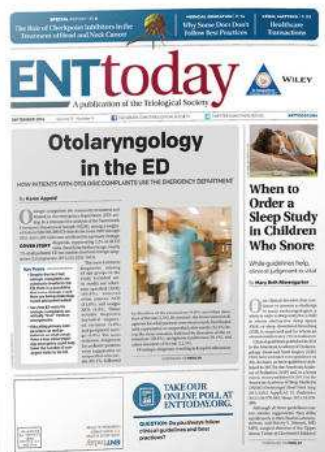


Laryngoscope Investigative Otolaryngology Open Access

Editor-in-Chief: D. Bradley Welling, MD, PhD, FACS

Rapid dissemination of the science and practice
of otolaryngology-head and neck surgery.

InvestigativeOto.com



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

WILEY



CONTENTS

THE Laryngoscope

FOUNDED IN 1896

VOLUME 127 | NUMBER 5 | MAY 2017 | www.laryngoscope.com

TRIO SOCIETY BEST PRACTICE

- 1007  Are Neuromodulating Medications Effective for the Treatment of Chronic Neurogenic Cough?
John Paul Giliberto, MD; Seth M. Cohen, MD, MPH; Stephanie Misono, MD, MPH
- 1009  What Is the Preferred Perioperative Antibiotic Choice and Duration of Use Following Major Head and Neck Surgery?
Ashok R. Jethwa, MD; Samir S. Khariwala, MD, MS

ALLERGY/RHINOLOGY

- 1011 Elimination of Pain Improves Specificity of Clinical Diagnostic Criteria for Adult Chronic Rhinosinusitis
Scott D. Hirsch, BS; Evan R. Reiter, MD, FACS; Laurence J. DiNardo, MD, FACS; Wen Wan, PhD; Theodore A. Schuman, MD
- 1017 Arterial Ligation Versus Embolization in Epistaxis Management: Counterintuitive National Trends
Michael J. Sylvester, AB; Sei Y. Chung, BS; Luis A. Guinand, BA; Aparna Govindan, BA; Soly Baredes, MD, FACS; Jean Anderson Eloy, MD, FACS
- 1021 Balloon Eustachian Tuboplasty Under Local Anesthesia: Is It Feasible?
Veera Luukkainen, MD; Ilkka Kivekäs, MD, PhD; Sari Hammarén-Malmi, MD, PhD; Markus Rautiainen, MD, PhD; Leena Pöyhönen, MD; Antti A. Aarnisalo, MD, PhD; Jussi Jero, MD, PhD; Saku T. Sinkkonen, MD, PhD
- 1026 Is Nonabsorbable Nasal Packing After Septoplasty Essential? A Meta-Analysis
Jong Seung Kim, MD; Sam Hyun Kwon, MD, PhD

BRONCHO-ESOPHAGOLOGY

- 1032  Directed Balloon Cytology of the Esophagus: A Novel Device for Obtaining Circumferential Cytologic Sampling
Amit A. Patel, MD; Marshall Strome, MD, MS; Andrew Blitzer, MD, DDS

FACIAL PLASTICS AND RECONSTRUCTIVE SURGERY

- 1036 New Application of Three-Dimensional Printing Biomaterial in Nasal Reconstruction
Sun Hwa Park, MSc; Byeong Gon Yun, MSc; Joo Yun Won, PhD; Won Soo Yun, PhD; Jin Hyung Shim, PhD; Mi Hyun Lim, MSc; Do Hyun Kim, MD; Sang A. Baek, MSc; Yahya Dhafer Alahmari, MD; Jun Ho Jeun, MSc; Se Hwan Hwang, MD, PhD; Sung Won Kim, MD, PhD
- 1044 Quality of Life Before and After Different Treatment Modalities in Peripheral Facial Palsy: A Systematic Review
Robin E. Luijckx, MSc; Sjaak Pouwels, MD; Carien H. G. Beurskens, PT, PhD; Ingrid J. Kleiss, MD, PhD; Ietske Siemann, MSc; Koen J. A. O. Ingels, MD, 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*.

GENERAL OTOLARYNGOLOGY



- 1052  Applicant Characteristics Associated With Successful Matching into Otolaryngology
Leah J. Hauser, MD; Grant M. Gebhard, MD; Rachel Blumhagen, BS; Nichole E. Carlson, PhD; Cristina Cabrera-Muffly, MD
- 1058 An Electronic Interface to Routinize Outcomes Assessment and Streamline Clinic Workflow
Jennifer J. Shin, MD, SM

HEAD AND NECK

- 1061 Comparison Between 4-MV and 6-MV Radiotherapy in T1N0 Glottic Cancer
Kiattisa Sommat, FRCR; Nelson Ling Fung Yit, MBBS; Li-Lian Kwok, MSc(Stats)
- 1068  Racial Disparities in Preventable Risk Factors for Head and Neck Cancer
Sunshine Dwojak, MD, MPH; Neil Bhattacharyya, MD
- 1073  Sialadenitis Without Sialolithiasis: Prospective Outcomes After Sialendoscopy-Assisted Salivary Duct Surgery
Elise A. Delagnes, MA; Annick Aubin-Pouliot, MD; Melissa Zheng, BA; Jolie L. Chang, MD; William R. Ryan, MD
- 1080  Cost-Effectiveness of Transfacial Gland-Preserving Removal of Parotid Sialoliths
Adrian A. Ong, MD; William W. Carroll, MD; Shaun A. Nguyen, MD, MA; M. Boyd Gillespie, MD, MSc
- 1087 Subsite Variation in Survival of Oropharyngeal Squamous Cell Carcinomas 2004 to 2011
Mary E. Platek, PhD; Vijayvel Jayaprakash, MBBS, PhD; Vishal Gupta, MD; David M. Cohan, MD; Wesley L. Hicks Jr, MD; Timothy B. Winslow, MS; Alexis J. Platek, BSc; Adrienne Groman, MS; Shiva Dibaj, MS; Hassan Arshad, MD; Moni A. Kuriakose, MD; Graham W. Warren, MD, PhD; Anurag K. Singh, MD
- 1093 Predictors of Survival in Posterior Cricoid Squamous Cell Carcinoma: A Study of 248 Cases
Hassieb A. Din, BS; Kevin Y. Zhan, MD; Caitlin Boling, BS; Shaun Nguyen, MD, MA; Eric J. Lentsch, MD
- 1097  Human Papillomavirus–Induced Oropharyngeal Cancer in Hispanics in the United States
Giovana R. Thomas, MD, FACS; Kaming Lo, MPH; Raphael Nwojo, MD

LARYNGOLOGY

- 1102 A New Conceptual Approach for Voice Feminization: 12 Years of Experience
Hyung-Tae Kim, MD, PhD
- 1109 Rotational Thyrotracheopexy After Cricoidectomy for Low-Grade Laryngeal Chondrosarcoma
László Rovó, MD, PhD; Ádám Bach, MD; Balázs Sztanó, MD, PhD; Vera Matievics, MD; Ilona Szegedi, MD; Paul F. Castellanos, MD, FCCP
- 1116 Office-Based 532-Nanometer Pulsed Potassium-Titanyl-Phosphate Laser for Marsupialization of Laryngeal and Vallecular Mucocoeles
Samuel N. Helman, MD; Michael J. Pitman, MD
- 1119 Effects of Electrical Stimulation on Vocal Functions in Patients With Nasopharyngeal Carcinoma
Thomas Law, MSc; Kathy Y.S. Lee, PhD; Rita W.M. Wong, MMedSc; Yeptain Leung, MSLP; Peter K.M. Ku, MD, FRCSEd(ORL); Eddy W.Y. Wong, FRCSEd(ORL); Hok-Nam Li, FRCSEd(ORL); Louisa K.Y. Ng, MSP; C. Andrew van Hasselt, FRCS(Eng); Michael C.F. Tong, MD, FRCS(Edin)
- 1125 The Use of Injectable Calcium Hydroxylapatite in the Surgically Pretreated Larynx With Glottal Insufficiency
Philipp P. Caffier, MD, PhD; Ahmed I. Nasr, MD; Sebastian Weikert, MD; Julius Rummich, MTA; Manfred Gross, MD, PhD; Tadeus Nawka, MD, PhD

- 1131  Gender Differences in Onabotulinum Toxin A Dosing for Adductor Spasmodic Dysphonia
Michael Z. Lerner, MD; Benjamin A. Lerner, MD; Amit A. Patel, MD; Andrew Blitzer, MD, DDS, FACS
- 1135 Optimal Anesthetic Regimen for Ambulatory Laser Microlaryngeal Surgery
Hyub Huh, MD; Seol Ju Park, MD; Hyong Hwan Lim, MD; Kwang Yoon Jung, MD, PhD; Seung-Kuk Baek, MD, PhD; Seung Zoo Yoon, MD, PhD; Hye Won Lee, MD, PhD; Hye Ja Lim, MD, PhD; Jang Eun Cho, MD, PhD
- 1140 High-Sensitivity FEES With NBI-Illumination
Susanne Fleischer, MD; Christina Pflug, MD; Markus Hess, MD
- 1143  Laryngeal Heterotopic Ossification: An Atypical Etiology of Respiratory Distress
Renee L. Eigsti, MD; Jarrett Walsh, MD, PhD; Robert A. Robinson, MD, PhD; Parren S. McNeely, MD; Henry T. Hoffman, MD

OTOLOGY/NEUROTOLOGY

- 1147 Impacts of Small Vestibular Schwannoma on Community Ambulation, Postural, and Ocular Control
Nancy L. Low Choy, PhD; Mary-Therese M. Lucey, BPhy(Hons); Susan L. Lewandowski, BSc; Benedict J. Panizza, MBBS, FRACS
- 1153 Canal Reconstruction and Mastoid Obliteration Using Floating Cartilages and Musculoperiosteal Flaps
Ho Jun Lee, MD; Janet Ren Chao, BA; Yeung Kyu Yeon, MS; Vijay Kumar, MS; Chan Hum Park, MD, PhD; Hyung-Jong Kim, MD, PhD; Jun Ho Lee, MD, PhD
- 1161 Stable Benefits of Bilateral Over Unilateral Cochlear Implantation After Two Years: A Randomized Controlled Trial
Alice van Zon, MD; Yvette E. Smulders, MD; Inge Stegeman, PhD; Geerte G. J. Ramakers, MD; Veronique J. C. Kraaijenga, MD; Simone P. C. Koenraads, MD; Gijsbert A. Van Zanten, PhD; Albert B. Rinia, MD; Robert J. Stokroos, MD, PhD; Rolien H. Free, MD, PhD; Johan H. M. Frijns, MD, PhD; Wendy J. Huinck, PhD; Emmanuel A. M. Mylanus, MD, PhD; Rinze A. Tange, MD, PhD; Adriana L. Smit, MD; Hans G. X. M. Thomeer, MD, PhD; Vedat Topsakal, MD, PhD; Wilko Grolman, MD, PhD
- 1169  The Influence of Subway Station Design on Noise Levels
Ravi R. Shah, MD; Jonathan J. Suen, AuD; Ilana P. Cellum, AuD; Jaclyn B. Spitzer, PhD; Anil K. Lalwani, MD
- 1175 Prognostic Factors for Facial Nerve Palsy in a Pediatric Population: A Retrospective Study and Review
Amit Wolfowitz, MD; Noam Yehudai, MD; Michal Luntz, MD
- 1181 Risk of Progressive Hearing Loss in Untreated Superior Semicircular Canal Dehiscence
Neil S. Patel, MD; Jacob B. Hunter, MD; Brendan P. O'Connell, MD; Natalie M. Bertrand; George B. Wanna, MD; Matthew L. Carlson, MD
- 1187 Factors Involved in Access and Utilization of Adult Hearing Healthcare: A Systematic Review
Margaret Barnett, BS; Brian Hixon, MD; Neville Okwiri, MBChB; Catherine Irungu, MBChB, MMED, ENT; John Ayugi, MBChB, MMED, ENT; Robin Thompson, MPH; Jennifer B. Shinn, PhD; Matthew L. Bush, MD
- 1195 Postural Orthostatic Tachycardia Syndrome for the Otolaryngologist
Jamie M. Bogle, AuD, PhD; Brent P. Goodman, MD; David M. Barrs, MD
- 1199 Palatal Botulinum Toxin as a Novel Therapy for Objective Tinnitus in Forced Eyelid Closure Syndrome
Thomas M. Kaffenberger, BS; Rajarsi Mandal, MD; Barry M. Schaitkin, MD; Barry E. Hirsch, MD



PEDIATRICS

- 1202 Consumer Product Ingestion and Aspiration in Children: A 15-Year Review
Curtis Hanba, BS; Steven Cox, MD; Michael Bobian, BS; Peter F. Seider, MD; Nathan J. Gonik, MD; Mahdi A. Shkoukani, MD; Anthony Sheyn, MD
- 1208 Treatment of Eosinophilic Otitis Media With Pegylated Interferon- α 2a and 2b
Brian A. Neff, MD; Stephen G. Voss, MSc; Matthew L. Carlson, MD; Erin K. O'Brien, MD; Joseph H. Butterfield, MD
- 1217 Breastfeeding Improvement Following Tongue-Tie and Lip-Tie Release: A Prospective Cohort Study
Bobak A. Ghaheri, MD; Melissa Cole, IBCLC; Sarah C. Fausel, BA; Maria Chuop, BS; Jess C. Mace, MPH, CCRP

SLEEP MEDICINE


- 1224 Multimodality Assessment of Upper Airway Obstruction in Children With Persistent Obstructive Sleep Apnea After Adenotonsillectomy
Christopher Clark, MD; Seckin O. Ulualp, MD
- 1231 Investigation Into the Presence of Human Papillomavirus in Patients With Obstructive Sleep Apnea
Brett J. Baldwin, DO; Dhananjay Chitale, MD; Kang Mei Chen, MD; Maria J. Worsham, PhD; Kathleen Yaremchuk, MD
- 1235 Temporal Trends in Inpatient Pediatric Sleep Apnea Surgery: 1993–2010
David F. Smith, MD, PhD; Ting Sa, MS; Matthew Fenchel, MS; Aliza P. Cohen, MA; Christine Heubi, MD; Sally R. Shott, MD; Christine G. Gourin, MD, MPH; Stacey L. Ishman, MD, MPH

THYROID/PARATHYROID

- 1242  Does Resident Involvement in Thyroid Surgery Lead to Increased Postoperative Complications?
Rijul S. Kshirsagar, MD; Zachariah Chandy, MD; Hossein Mahboubi, MD, MPH; Sunil P. Verma, MD
- 1247  Midcervical Scar Satisfaction in Thyroidectomy Patients
Amy R. Best, MD; Taha Z. Shipchandler, MD, FACS; Susan R. Cordes, MD, FACS

E-ONLY ARTICLES


BRONCHO-ESOPHAGOLOGY

- E148  The Effect of Aspirated Barium Sulfate, Iodixanol, and Diatrizoic Acid on Survival and Lung Injury in a Lagomorph Model
M. Tausif Siddiqui, MD; Juliana K. Litts, MA; Diane M. Cheney, BS; Maggie A. Kuhn, MD; Nogah Nativ-Zeltzer, PhD; Peter C. Belafsky, MD, MPH, PhD


FACIAL PLASTICS AND RECONSTRUCTIVE SURGERY

- E153 Bioengineering Pediatric Scaffold-Free Auricular Cartilaginous Constructs
Pedram Akbari, MSc; Stephen D. Waldman, PhD; Sharon L. Cushing, MD, MSc, FRCSC; Blake C. Papsin, MD, MSc, FRCSC; Evan J. Propst, MD, MSc, FRCSC; Joanna F. Weber, MSc; Herman Yeger, PhD; Walid A. Farhat, MD, FRCH(C), FAAP

HEAD AND NECK

- E159  Fungal Contribution in Chondroradionecrosis of the Larynx
Mary Worthen, MD; Mia Jusufbegovic, MD; Jeffrey M. Bumpous, MD; Andrew Vaughn, MD; Elizabeth Cash, PhD; Xiu Yang, MD; Craig Fichandler, MD; Paul Tennant, MD

LARYNGOLOGY

- E166  Histologic Evaluation of Micronized AlloDerm After Injection Laryngoplasty in a Rabbit Model
Michael S. Oldenburg, MD; Jeff Janus, MD; Steve Voss, BS; Serban San Marina, MD, PhD; Tiffany Chen, BS; Joaquin Garcia, MD; Dale Ekbom, MD

OTOLOGY/NEUROTOLOGY

- E170 A Three-Dimensional Analysis of the Endolymph Drainage System in Ménière Disease
Rafael da Costa Monsanto, MD; Henrique F. Pauna, MD; Geeyoun Kwon, PhD; Patricia A. Schachern, BS; Vladimir Tsuprun, PhD; Michael M. Paparella, MD; Sebahattin Cureoglu, MD



On the Cover

Figure A shows a larynx during flexible endoscopic examination of swallowing with a liquid, green-colored bolus. Laryngeal penetration and aspiration can be seen, but not clearly. In Figure B, the illumination was switched to narrow band imaging. With color filtering, the bolus color changed from green to red. Moreover, a large contrast enhancement was elicited. Thus, even small amounts of penetrated or aspirated bolus can be detected more easily.