

CONTENTS

- 739 **Anatomy of the respiratory system in the, "Portrait of a Musician" by Leonardo da Vinci**
Grigol Keshelava
- 743 **Automated Assessment of Glottal Dysfunction Through Unified Acoustic Voice Analysis**
Ian Vince McLoughlin, Olivier Perrotin, Hamid Sharifzadeh, Jacqui Allen and Yan Song
- 755 **Non-Linear Image Distortions in Flexible Fiberoptic Endoscopes and their Effects on Calibrated Horizontal Measurements Using High-Speed Videoendoscopy**
Hamzeh Ghasemzadeh and Dimitar D. Deliyski
- 770 **Validation of Cepstral Acoustic Analysis for Normal and Pathological Voice in the Japanese Language**
Masanobu Mizuta, Chika Abe, Erina Taguchi, Tsukasa Takeue, Hisanobu Tamaki and Tomoyuki Haji
- 777 **Bipedicled Vocal Fold Mucosal Flap: An Experimental Study**
Vanessa Mika Kinchoku, Rui Imamura, Adriana Hachiya, Rosiane Yamasaki, Luiz Ubirajara Sennes and Domingos Hiroshi Tsuji
- 784 **Respiratory Particle Emission During Voice Assessment and Therapy Tasks in a Single Subject**
Lauren Timmons Sund, Neel K. Bhatt, Elisabeth H. Ference, Wihan Kim and Michael M. Johns
- 793 **Cultural Competency in Voice Evaluation: Considerations of Normative Standards for Sociolinguistically Diverse Voices**
Teresa Procter and Ashwini Joshi
- 802 **Sense of Coherence and Coping Strategies in Patients With Dysphonia**
Gabriella de Freitas Valadares, Ingrid Gomes Perez Occhi-Alexandre and Letícia Caldas Teixeira

(continued on next page)

Cover image: *Evaluation of the Electroglottographic Signal Variability in Organic and Functional Dysphonia. See Nacci, et al, p. 881.*

Listed in *Index Medicus/MEDLINE, Current Contents/Clinical Medicine, Scisearch, Research Alert, EMBASE/Excerpta Medica, BIOSIS, Sociological Abstracts, PsychInfo, Institute For Scientific Information, and Cinahl Information Systems*

Journal of Voice (ISSN 0892-1997) is published bi-monthly by Elsevier Inc., 360 Park Avenue South, New York, NY 10010-1710. Months of issue are January, March, May, July, September, and November. Periodicals postage paid at New York, NY and additional mailing offices.

YEARLY SUBSCRIPTION RATES: United States and possessions: Individual \$259; Student/Resident: \$148. All other countries (prices include airspeed delivery): Individual \$363; Student/Resident \$201.

POSTMASTER: Send address changes to Elsevier, Journal Returns, 1799 Highway 50 East, Linn, MO 65051







CONTENTS

- 808 **Voice And Gender Incongruence: Relationship Between Vocal Self-Perception And Mental Health Of Trans Women**
Cirley Novais Valente Junior and Adriane Mesquita de Medeiros
- 814 **Comparison Between Combination of Resonant Voice Therapy and Vocal Hygiene Education and Vocal Hygiene Education Only for Female Elementary School Teachers**
Hengxin Liu, ShengHwa Chen, Liqun Gao, Jinrang Li, Boquan Liu, Hayley Raj, Qingqing Xie, Haifeng Duan, Zhen Jiang, Yang Liu, Bangqi Chen, Yan Liu and Jack Jiang
- 823 **Correlation Between Subjective and Objective Parameters of Voice in Elderly Male Speakers**
Mahesh Soumya and Srirangam Vijayakumar Narasimhan
- 832 **Failed Swallows on High-Resolution Manometry Independently Correlates With Severity of LPR Symptoms**
Lawrence F. Borges, Sanjay Salgado, Kelly E. Hathorn, Natan Feldman, Thomas L. Carroll and Walter W. Chan
- 838 **Comprehensive Evaluation of Voice-Specific Outcomes in Patients With Essential Tremor Before and After Deep Brain Stimulation**
Kathryn W. Ruckart, Mary E. Moya-Mendez, Moeko Nagatsuka, Julia L. Barry, Mustafa S. Siddiqui and Lyndsay L. Madden
- 847 **Transnasal Flexible Laryngoscopy Using Different Topical Preparations and Methods of Application-A Randomized Study**
Asha K. Joy, Ajay Philip, Suma Susan Mathews and Rita Ruby A Albert
- 853 **The Poor Validity of Asymmetric Laryngoscopic Findings in Predicting Laterality in Vocal Fold Paresis**
Sungjin A. Song, Alena Santeerapharp, Ghiath Alnouri, Jin Park, Robert T. Sataloff and Ramon A. Franco, Jr
- 859 **Application of 4D-CT Scanning in Differential Diagnosis of Arytenoid Subluxation and Vocal Fold Paralysis**
Jin-an Wang, Xinlin Xu, Yanli Ma, Peiyun Zhuang and Yong Wang
- 868 **Effects of Sequentially Combined Arytenoid Adduction and Injection Laryngoplasty in Patients With Unilateral Vocal Fold Paralysis**
Nayeon Choi, Younghac Kim, Bok Hyun Song, Sung Min Koh, Woori Park, Hack Jung Kim and Young-Ik Son
- 874 **Nonselective Laryngeal Reinnervation Versus Type 1 Thyroplasty in Patients With Unilateral Vocal Fold Paralysis**
Mehrddad Farrokhi and Niloofar alsadat Nourian
-  875.e1 **Formant Frequencies of Adult Speakers of Australian English and Effects of Sex, Age, Geographical Location, and Vowel Quality**
Yeptain Leung, Jennifer Oates, Viktória Papp and Siew-Pang Chan
-  875.e15 **Perceptual Voice Qualities Database (PVQD): Database Characteristics**
Patrick R. Walden

CONTENTS

-  875.e25 **ROC Analysis Cut-off Points of Hellenic Voice Handicap Index for Neurogenic Voice Disorders Patients: an Exploratory Study**
Dionysios Tafiadis, Meropi E. Helidoni, Spyridon K. Chronopoulos, Evangelia I. Kosma, Anna Alexandropoulou, Stylianos Velegrakis, Spyridon Konitsiotis and Nafsika Ziavra
-  876.e1 **Development and Preliminary Validation of a Pain Scale Specific to Patients With Voice Disorders: The Voice-Related Pain Scale (VRPS)**
Seyed Abolfazl Tohidast, Banafshe Mansuri, Payman Dabirmoghadam, Mehran Choubineh, Rasool Bagheri, Abbas Ebadi and Hadi Azimi
-  876.e9 **Construct and Discriminant Validity of the Persian Version of the Consensus Auditory Perceptual Evaluation of Voice (CAPE-V)**
Payman Dabirmoghaddam, Hassan Khoramshahi, Ali Dehqan, Ronald C Scherer and Nouredin Nakhostin Ansari
-  876.e17 **Acoustic Characteristics of the Voice for Brazilian Portuguese Speakers Across the Life Span**
Evelyn Alves Spazzapan, Eliana Maria Gradim Fabron, Larissa Cristina Berti, Eduardo Federighi Baisi Chagas and Viviane Cristina de Castro Marino
-  877.e1 **Dysphonia and Vocal Tract Discomfort While Working From Home During COVID-19**
Ciarán Kenny
-  877.e9 **Coprevalence of Presbycusis and Its Effect on Outcome of Voice Therapy in Patients With Presbyphonia**
Ji Hye Park, Minsuk Chae, Yong-Hwi An, Hyun Joon Shim and Minsu Kwon
-  878.e1 **Effect of Wearing a Face Mask on Vocal Self-Perception during a Pandemic**
Vanessa Veis Ribeiro, Ana Paula Dassie-Leite, Eliane Cristina Pereira, Allicia Diely Nunes Santos, Perla Martins and Roxane de Alencar Irineu
-  878.e9 **Vocal Indicators of Size, Shape and Body Composition in Polish Men**
Lukasz Piotr Pawelec, Katarzyna Graja and Anna Lipowicz
-  878.e23 **What do Sopranos and Singing Teachers Think About Upper High Range Notes?**
Danilo Euclides Fernandes and Marta Assumpção de Andrada e Silva
-  879.e1 **Voice Onset Time in Patients Using Speech Prosthesis After Total Laryngectomy**
Elad Azizli, Zeynep Alkan, Ismail Koçak and Özgür Yiğit
-  879.e5 **Work ability of teachers associated with voice disorders, stress, and the indoor environment: A questionnaire study in Finland**
Hanna Vertanen-Greis, Eliisa LoyttyniemiLöyttyniemi, Jukka Uitti and Tuula Putus
-  879.e13 **Voice Quality Evaluation in Patients With COVID-19: An Acoustic Analysis**
Maral Asiaee, Amir Vahedian-azimi, Seyed Shahab Atashi, Abdalsamad Keramatfar and Mandana Nourbakhsh
-  880.e1 **Laryngeal Findings in Duchenne Muscular Dystrophy**
Sara Anieli da Costa Braz Fonseca, Claudiney Cândido Costa, Ana Paula Valeriano Rêgo, Leandro Castro Velasco, Pauliana Lamounier e Silva Duarte, Paula Martins Alves de Castro Roldão and Hugo Valter Lisboa Ramos

CONTENTS

-  880.e5 **Determination of the Voice Parameters in Adult Individuals With Rheumatoid Arthritis and the Relation of Voice With Depression and Inflammation**
Elif Tunç Songur, Alper Kutalmış Türkcan, Hazan Karadeniz, Aslıhan Avanoğlu Güler, Dilek Yapar, Mehmet Akif Öztürk and Metin Yılmaz
-  880.e13 **Isolated Aspergillus Laryngitis: Spectrum, Management, and Review of Literature**
Meet Chetan Sheth, Roshna Rose Paul, Suma Susan Mathews and Rita Ruby Albert
-  881.e1 **Laryngeal Blastomycosis, an Unexpected Diagnosis: A Case Report**
Samir A. Ballestas, Kelly R. Magliocca, Laurence Balter and Jeanne L. Hatcher
-  881.e5 **Evaluation of the Electroglottographic Signal Variability in Organic and Functional Dysphonia**
Andrea Nacci, Alberto Macerata, Luca Bastiani, Gaetano Paludetti, Jacopo Galli, Maria Raffaella Marchese, Maria Rosaria Barillari, Umberto Barillari, Cecilia Laschi, Matteo Cianchetti, Mariangela Manti, Stefano Berrettini, Bruno Fattori and Francesco Ursino
-  882.e1 **The Role of Nutritional and Dietary Habits in Etiology in Pediatric Vocal Fold Nodule**
Müge Özçelik Korkmaz and Arzu Tüzüner
-  882.e9 **Correlation of Clinical and Pathological Diagnosis and Inflammatory Markers for Patients Undergoing Laryngeal Microsurgery**
Bayram ŞAHİN, Merve AKYOL, Halil Erdem ÖZEL and Selahattin GENÇ