

Inaugural Research Symposium

Friday, January 16, 2026



University of Wisconsin | Department of Otolaryngology-Head and Neck Surgery

Time	Topic	Location
7:55 – 8:00 am	Introduction to the Inaugural DOHNS Research Day	Pharmacy Building
8:00 - 9:00 am	Keynote Jay Picirillo, MD, FACS, CPI - Editor JAMA OTO Professor of Otolaryngology Head and Neck Surgery Washington University Lies, Damn Lies, and Clinical Research Moderator - David Francis	Lecture Hall 2006
9:00 – 10:15 am	Podium Talks Moderator – Tiffany Glass	Lecture Hall 2006
10:15 – 10:30am	Break	
10:30 – 11:30am	Poster Presentations	Classroom 1116
11:30 -12:30 am	Lunch	Commons
12:30 – 1:30 pm	Keynote Clint Allen, MD Senior Investigator, Surgical Oncology Program, NCI/NIH Development and regulatory approval of Zopapogene Imadenovec for adults with RRP Moderator - Ruth Davis	Lecture Hall 2006
1:30 – 2:00 pm	Pitch Perfect Moderator - Paula Demetrio De Souza Franca	Lecture Hall 2006

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2:00 - 2:15 pm	Break	
2:15 – 3:30 pm	Podium Talks Moderator – Susan Thibeault	Lecture Hall 2006
3:30 – 3:35 pm	Awards, Closing Remarks	Lecture Hall 2006

Morning Presentations: 9:00-10:15 AM

Title	Presented by
Do articulation test scores really reflect speech intelligibility? A quantitative characterization in neurotypical children	Emily Wang
Defining the Role of the Microbiome in Acute Laryngeal Injury after Intubation	Ruth Davis
Botulinum Toxin Treatment for Synkinesis: Effects on anxiety and depression	Feyi Adegboye
Development of an operative competency assessment tool for the endoscopic endonasal transsellar approach	Aviv Spillinger
Comparative analysis of post-extubation dysphonia and dysphagia	Stevie Marvin
Overdiagnosis of Papillary Thyroid Cancer	David Francis
Transition from nursing to weaning in a mouse model of Down syndrome coincides with unique gene expression profiles in the tongue	Tiffany Glass

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Poster Presentations: 10:30-11:30 AM

Title	Presented by
Exercise-based tongue training partially rescues Parkinsonian neuromuscular deficits in Pink1-/- rats	Denis Michael Rudisch
Effects of Controlled Supraglottic Pressure with Straw Phonation on Vocal Economy in Healthy Adults	Andrew Li
Harmony Between Hypernasality Ratings and Nasalance Scores in Spanish English Bilingual Patients with VPI	John Munday
Frey syndrome: A novel classification system based on symptom severity	Danae Alexandrou
Does patient perception align with speech perception scores throughout the first year of cochlear implant use?	Lauren Longhenry
Quantifying Dehydration Effects of Porcine Vocal Fold Attenuation with Optical Coherence Tomography	Michael Kuang
Rapid expansion of human primary vocal fold epithelial cells via targeted pathway inhibition and anchorage-independent sphere culture	Xudong Shi
Lumped Mass Modeling of Healthy and Disordered Vocal Folds in Normal and Chaotic Phonation	Bryn McCloskey
Towards Better Resolution in Auditory Implants: Tissue Engineered Neural Networks as Living Electrodes	Jordan Mumm
Auditory-Perceptual Validation of Acoustic Chaos Parameters in Healthy and Dysphonic Voices	Owen Wischhoff

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Retention of Sensorimotor Adaptation to a Nonuniform Feedback Perturbation Field: A Preliminary Report	Tim Murphy
Perspectives on Dysphagia Management Among Geriatric Medicine Healthcare Providers: A Mixed-Methods Survey	Madelyn Savage-Black
Ethyl Cinnamate-Based Tissue Clearing Technique on Vocal Fold Mucosa with Vasculature Model.	Serena Gacek
Single-Cell Transcriptomic Atlas of Vocal Fold Injury and Repair	Junseo Cha
Three-Dimensional Manometry of the Upper Esophageal Sphincter in Head Turn Swallowing	Suzan Abdelhalim
Effects of Sustained Semi-Occluded Vocal Tract Exercises in Non-Disordered Populations	Jakob Holm
Spatial Transcriptomics of health and injured vocal folds	Michelle Bretl
Noninvasive Detection of Intratumoral Hypoxia Using the CA9-Targeted Radiotracer [⁶⁴ Cu]DPI	Paula Demetrio de Souza Franca
Role of Piezo1 in Human Vocal Fold Fibroblasts	Se-in Kim
Oromotor Dysfunction in a Rat Model of Alexander Disease	Jared Cullen
Advanced/novel stenting for dynamic airway collapse	Elle Nuttall
Population Activity and Network Effects During Auditory Learning Predict Behavioral Outcomes	Gunnar Quass
Swallowing impairments in Down syndrome: Findings from Videofluoroscopic Swallow Study in the double transgenic [Ts65Dn;Df(17)2 and Dp(16)1;Df(16)8] mouse models at 5 months of age	Gaurav Singhal

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Junior Resident “Key Indicator” Cases: A Method for Tracking Junior Resident Operative Readiness	Sophia Colevas Sovinski
Implications for Cochlear Implant Evaluation Protocol: Testing with Verified Clinic Hearing Aids During Cochlear Implant Evaluation Yields Significantly Higher Speech Perception Scores for the Majority of Patients	Rachel Jocewicz
Is Collagen the Culprit? Examining Influence of Tongue Exercise on Markers of Fibrosis in a Translational Rat Model of Chemoradiation Therapy	Nicole Schaen-Heacock
Assessment of the Liver MRI Volumetry Protocol as a Novel Technique for Evaluation of Vitamin A Stores in Patients with Leukoplakia	Ladan Navari

Pitch Perfect: 1:30-2:00 PM

Title	Presented by
Anatomical Feature of the Monkey Larynx	Yuki Tanigami
The Calm After the Storm: Electrically induce Hypersynchrony May Hold back cochlear Implant Success	Gunnar Quass
Hidden Pollutants: Detecting Microplastics in Head and Neck Tissue	Danae Alexandrou
To Swab or not to Swab: That is the question in Laryngeal Microbiology	Anumitha Venkatraman
Comparative analysis of post-extubation dysphonia and dysphagia	Stevie Marvin
The influence of intervention timing on swallow function and tongue muscle contractile properties in a translational rat model of chemoradiation therapy	Nicole Schaen-Heacock

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Afternoon Presentations: 2:15-3:30 PM

Title	Presented by
Reducing Overtreatment and Inter-hospital Transfers for Peritonsillar Abscess Utilizing Telehealth: An Improvement Project in a Tertiary Care Referral Center	Erin Dimon
Predictors of Continued Cochlear Implant use for Adults with Single-sided Deafness: A Multi-center Retrospective Analysis	Monique North
Cellular Atlas of Human Vocal fold across the Lifespan	Vlasta Lungova
Imaging Hypoxic Regions in Head and Neck Tumors with CA9-Specific PET Radiotracer [⁶⁴ Cu]DPI	Paula Demetrio de Souza Franca
Speech Intelligibility in Individuals with Cleft Palate: A Scoping Review	John Munday
Safety and Efficiency of Coblator Wedge Excision for Endoscopic Management of Idiopathic Subglottic Stenosis	Natalie Schelbar