NYU School of Medicine

# ALL FERI Z HH S

OCTOBER 4<sup>m</sup>-6<sup>m</sup>, 2012



We invite you to join us for

# THE FALL VOICE CONFERENCE

presented by the Departments of Otolaryngology of NYU School of Medicine and Weill Cornell Medical College





Weill Cornell Medical College

Pre-Conference Workshops will include hands-on sessions and will focus on the performing voice

**Course Description** 

The Fall Voice Conference is designed to encourage and educate professionals on a multi-disciplinary approach to the management of vocal difficulties. The focus of this conference is the clinical care of patients with voice-related difficulties and how clinical and basic science research guide clinical care. The conference will be divided among invited lectures, panel discussions, and scientific presentations. Speech language pathologists, voice teachers, voice scientists, and physicians are encouraged to attend and participate.

# **Target Audience**

This conference is designed to provide a multi-disciplinary approach to the management of voice difficulties for Physicians, Speech Pathologists, Researchers, Voice Trainers and Pedagogues.

# **Statement of Need**

Physicians, Speech Therapists, and Voice Professionals need to beware of newer techniques for the evaluation of patients with voice disorders and newer treatment options for patients with voice disorders. They also need to be aware of recent discoveries on the basic anatomy and physiology of the vocal mechanism

# **Educational Objectives**

At the conclusion of this activity, participants should be able to:

- Effectively incorporate newer evaluative techniques into clinical practice
- Incorporate multi-disciplinary language into patient narratives and work with other professionals in a multi-disciplinary program
- Tailor evaluation and treatment of patients based on their vocal requirements and profession
- Effectively incorporate newer treatment options into clinical practice
- Establish some basic understanding of vocal fold physiology that can serve as a basis for further clinical research

## **Course Directors**

## Milan Amin, MD

Associate Professor NYU Voice Center Department of Otolaryngology NYU School of Medicine

#### Rvan C. Branski, PhD

Assistant Professor NYU Voice Center Department of Otolaryngology NYU School of Medicine

# **Program Committee**

Julie Barkmeier-Kraemer, PhD Voice & Swallowing Center Department of Otolaryngology UC Davis Health System

### Mark Courey, MD

UCSF Voice and Swallowing Center Department of Otolaryngology UCSF School of Medicine

## **Edie Hapner, PhD**

**Emory Voice Center** Department of Otolaryngology-Head and Neck Surgery Emory University

## Markus Hess, MD

Department of Voice Speech and Hearing Disorders University Medical Center of Hamburg-Eppendorf

#### Michael Johns, MD

**Thomas Murry, PhD** 

Department of Otolaryngology

Weill Cornell Medical College

Department of Otolaryngology

Weill Cornell Medical College

Lucian Sulica, MD

Associate Professor

Professor

Emory Voice Center Department of Otolaryngology-Head and Neck Surgery Emory University

#### **Christine Sapienza, PhD**

Department of Speech Language and Hearing Sciences College of Public Health and Health Professions University of Florida

## Sarah Schneider, MS

UCSF Voice and Swallowing Center Department of Otolaryngology UCSF School of Medicine

## Peak Woo, MD

Professor Department of Otolaryngology The Mount Sinai Medical Center The Mount Sinai School of Medicine

## **Keynote Speakers**

Stephen Badylak, DVM, PhD, MD Professor University of Pittsburgh School of Medicine

## Norman Ducharme, DVM, MSc

Section of Large Animal Surgery Equine and Farm Animal Hospitals College of Veterinary Medicine Cornell University

## **Robert Hotchkiss, MD** Hospital for Special Surgery Weill Cornell Medical College

Burke Rehabilitation Hospita **Michael Long, PhD** Assistant Professor

Departments of Physiology Neuroscience and Otolaryngology NYU School of Medicine

## **Course Faculty**

David Abeles, MFA Leslie Akl, BA Kenneth Altman, MD, PhD **Jennifer Bergeron, MD** Erkki Bianco, MD Hakan Birkent, MD Jonathan Bock, MD Deanna Britton, PhC, CCC-SLP **Thomas Carroll, MD Dinesh Chhetri, MD** Aiav Chitkara, MD Lise Crevier-Buchman, MD, PhD Courtney Crouse, DMA (ABD) **Troy Clifford Dargin Gillian Diercks**, MD Erin N. Donahue, BM, MA Christine Estes, MM, MA, CCC-SLP Gaetano Fava, MS, CCC-SLP Jackie L. Gartner-Schmidt, PhD **Drew Gehling, BFA** Shirley Gherson, MA, CCC-SLP **Brian Gill, DMA** Amanda Gillespie, MS Antoine Giovanni, MD, PhD **Christopher Hartnick, MD Karen Wheeler Hegland, PhD** Amanda Hu, MD, FRCSC Dan Ihasz, MM Takeshi Ikuma, PhD Nikki James Aaron M. Johnson, MM, PhD Omer Karakoc, MD Sid Khosla, MD Ayami Ohno Kishimoto, MD Tsuyoshi Kojima MD, PhD Gwen Korovin, MD

Jamie Koufman, MD Joan Lader, BS, MA Wendy D. LeBorgne, PhD Amy Lebowitz-Cooper, MS, CCC-SLP Ellen Lettrich, MS, CCC-SLP Hanna Mackiewicz-Nartowicz, PhD **Carrie Manolakos** Abie Mendelsohn, MD J Pieter Noordzij, MD Gisele Oliveira, PhD Benjamin Rafii, MD **Brittney Redler, MM** Marc Remacle, MD, PhD Joana Revis, PhD Scott Rickert, MD **Camille Robieux Tyley Ross, MA** David Rosow, MD Bernard Rousseau, PhD **Bari Hoffman Ruddy, PhD** Tina Scalzo, B Sp Path (Hons) Rupali Shah, MD Michael Sheu, MD **Rahul Shrivastav, PhD** Libby Smith, DO Shaum Sridharan, MD Michelle Troche, PhD, CCC-SLP Gerd Fabian Volk, MD **Andrew Wade** Christopher R. Watts, PhD Gayle Woodson, MD Taner Yilmaz, MD Craig H. Zalvan, MD **Aaron Ziegler, MA** Karen Zur, MD

# agenda

## Thursday, October 4, 2012

**OPTIONAL PRE-CONFERENCE** WORKSHOPS – NON-CME

#### 9:30 am Registration

10:00 Current Trends in Technology for Voice Training and Performance Brian Gill, DMA & Dan Ihasz. MM

10:45 Classical Singers' Studio: Guiding Healthy Voicing Through Artistry

Courtney Crouse DMA (ABD)

11:45 Coffee Break

12:00 noon Beltapalooza: Analyzing Broadway Belters in Action

 Joan Lader, BS, MA 1:00 Lunch (On your own)

2:00 Maintaining Performance Voice: Report from the Trenches. Question & Answer with 2011 Tony Award Winner Nikki James from Book of Mormon Moderators: Ryan C. Branski, PhD & Ellen Lettrich, MS, CCC-SLP

2:45 The Actor's Voice Toolkit: Balancing Technique and the Demands of a Role Andrew Wade

4:00 Coffee Break

4:15 Rockers Roundtable: Integrating Healthy Voicing and The Pop-Rock Aesthetic Brian Gill, DMA, Carrie Manolakos & Tyley Ross, MA

5:00 Optimizing Collaboration: An Open Dialogue between the Medical and Performance Worlds

 Moderator: Ellen Lettrich, MS, CCC-SLP Panel: David Abeles, MFA, Milan Amin, MD, Courtney Crouse, DMA, (ABD), Christine Estes, MM, MA, CC SLP, Shirley Gherson, MA, CCC-SLP, Brian Gill, DMA Nikki James, Joan Lader, BS, MA, Tyley Ross, MA, Lucian Sulica, MD, Andrew Wade

#### 6:00 Closing Remarks

6:10-8:00 pm Welcome Reception (Smilow Lobby)

## Friday, October 5, 2012

6:45 am **Registration and Continental Breakfast** 

7:45 Welcoming Remarks

8:00 Kevnote Presentation: Equine Vocal Fold Palsy

 Norman G. Ducharme, DVM,MSc SCIENTIFIC SESSION-

**GLOTTIC INSUFFICIENCY - PARALYSIS.** PARESIS AND THE AGING LARYNX Moderator: Markus Hess. MD

#### Podium Presentations

8:30 Multi-Dimensional Voice Outcomes after Type I Gore-Tex Thyroplasty in Patients with Mobile Vocal Folds: A Subgroup Analysis Rupali Shah, MD

8:39 Differences in Age-Related Synaptic Remodeling between Lateral and Medial Thyroarytenoid Neuromuscular Junctions Aaron Johnson, MM, PhD

8:48 The Comparison of Voice and Swallowing Parameters after Endoscopic Arytenoidectomy for Bilateral Vocal Fold Paralysis

Taner Yilmaz, MD

8:57 Prospective Study of Voice Outcomes and Patient Tolerance of In-office Percurtaneous Injection Larvngoplastv Hakan Birkent, MD 9:06 Graded Neuromuscular Activation of the Larvnx to Study Larvngeal Paresis and Asymmetries

Dinesh Chhetri, MD 9:15 The Effect of Implant Stiffness, Shape, and Medialization Depth on the Phonatory Outcomes of Medialization Thyroplasty Jennifer Bergeron, MD

9:24 Laryngeal Sensory Nerve Evaluation with EMG Jonathan Bock, MD

### **CASE PRESENTATIONS**

9:33 Thyroid Cartilage Collapse following Thyroplasty: A Reconstructive Challenge Marc Remacle, MD, PhD

9:38 Question & Answer

10:00 Coffee Break

SCIENTIFIC SESSION-COUGH, MUSCLE TENSION DYSPHONIA, AND PARADOXICAL **VOCAL FOLD MOVEMENT** 

Moderator: Julie Barkmeier-Kraemer, PhD

## **Podium Presentations**

10:30 Centrally-Mediated Post-Viral Vagal Neuropathic Cough Syndrome Craig H. Zalvan, MD 10:38 The Effects of Hyper- and Hypocapnia on Phonatory Laryngeal Resistance Amanda Gillespie, MS 10:46 Immediate Effects of the Finnish Resonance Tube Exercises on Chronic Behavioral Dysphonia Gisele Oliveira PhD 10:54 Phonation in a Straw: Comparison of Transplottal Pressure Gradient and Phonatory Threshold Pressure Camille Robieux 11:02 Patient Perception of Voice Therapy Effectiveness Aaron Ziegler, MA 11:10 Use of Anti-Neuropathy Medications to Treat Laryngeal Irritability J. Pieter Noordzij, MD 1:18 Associations between Vocal Fold Movements and Airflow During Cough in Neurological Disease: Preliminary Analyses Deanna Britton, PhC, CCC-SLP 11:26 **Relationship between Total Expired Air**, Peak Airflow, and Cough Number in Down-Regulated Cough Karen Wheeler Hegland, PhD **CASE PRESENTATIONS** 

## Motion as a Result of Vagal Nerve Stimulation: Response to Respiratory Retraining Therapy Amanda Gillespie, MS

11:34 Case Report: Paradoxical Vocal Fold

11:39 Cough Function Pre/Post DBS in Parkinson's Disease: A Case Series Michelle Troche, PhD, CCC-SI P

11:44 Challenging Cough Cases: A New Frontier in Otolaryngology Kenneth Altman, MD, PhD

#### 11:49 Question & Answer

12.00 **Lunch** (On vour own) 1:15 Keynote Speech: Tissue Engineering and Regenerative Medicine

 Stephen Badylak, DVM, PhD, MD SCIENTIFIC SESSION-

SCAR, STENOSIS, AND WEBS Moderator: Peak Woo MD

#### **Podium Presentations**

1:45 A Novel Technique for Endoscopic Management of Complete Supraglottic Stenosis David Rosow MC 1:55 Early Versus Delayed Vocal Fold Mobilization: High-Speed Videoendoscopic Evaluation of Vibration in an Evoked Rabbit Phonation Model Tsuvoshi Kojima, MD, PhD 2:05 An Otologic Perspective on Sulcus-Retraction Pockets and the Role of Inflammation Lucian Sulica, MD 2:15 Correlational Study of the VHI-10 and Acoustic

and Aerodynamic Measurements of Voice Jackie L. Gartner-Schmidt, PhD 2:25 The Utility of the Potassium Titanyl Phosphate

(KTP) Laser in Modulating Vocal Fold Scar in a Rat Model Michael Sheu, MD

2:35 Intraglottal Vortices and Acoustics in Normal and Unilateral Scarred Canine Larvnges Sid Khosla, MD

## **CASE PRESENTATIONS**

2:45 Inhalation Burn Injury: A Model of Multifaceted Treatment

Shaum Sridharan, MD

2:50 Question & Answer

3:15 Coffee Break SCIENTIFIC SESSION

**BENIGN VOICE DISORDERS** Moderator: Edie Hapner, PhD

#### **Podium Presentations**

3:45 Magnetic Resonance Microimaging of Normal and Pathological Vocal Fold Structures Avami Ohno Kishimoto, MD

3:53 False Vocal Fold and Interarytenoid Muscle Botulinum Toxin a Injection for Larvngeal Dystonias Libby Smith, DO

4:01 Clinical Impact of High-Speed Video Vibratory Assessment Abie Mendelsohn, MD

4:09 Disease-Specific Self-Efficacy in Spasmodic Dysphonia Patients

Amanda Hu, MD, FRCSC

4:17 Vocal Fold Elastin in Transgenic and **Knockout Mouse Models** 

Christopher R. Watts. PhD

4:25 A Treatment Series of Patients with Pseudocvst-Characteristics, Clinical Course and Outcomes Christine Estes, MM, MA, CCC-SI P

4:33 Recurrent Contact Granuloma: Experience with Excision and Botulinum Toxin Injection Taner Yilmaz, MD

4:41 **Cloninger Temperament and Character** Inventory and Vocal Nodules in Women Antoine Giovanni, MD, PhD

#### **CASE PRESENTATION**

4:49 A Case of Sudden Onset of Aphonia following an Asthma Attack Gaetano Fava, MS, CCC-SLP 4:54 Question & Answer 5:15 Closing Comments

5:30 pm **Adjourn** 

## Saturday, October 6, 2012

6:45 am Registration & Continental Breakfast 7:45 Welcoming Remarks

8:00 Keynote Speech: Care of the Performing Artist: An Orthopaedic Perspective

 Bobert Hotchkiss, MD SCIENTIFIC SESSION-

THE PERFORMING VOICE Moderator: Michael Johns, MD

Podium Presentations

8:30 A Clinical Definition of Laryngology of the Performing Voice: Comparison of Vocal Pathology in Performers and Nonperformers Lucian Sulica MD

8:38 Prevalence of Vocal Pathology in Incoming Freshman Musical Theater Performers: A 10-Year Retrospective Study

Wendy D. LeBorane, PhD

8:46 The Show Must Go On: How Do Our Favorite Rock and pop icons deliver World Class Vocal Performances Night after Night. Year after Year?...Or Do Thev? Brittnev Redler, MM

8:54 One Time Estimates vs. Three Week Long Estimates of Voicing Behaviors in Singers and Actors Trov Clifford Dargin

9:02 The Voices of Broadway: An Undate Drew Gehling, BFA

9:10 Reported Vocal Habits of Incoming Freshman Musical Theatre Maiors in a Pre-Professional Training Program

Erin N. Donahue, BM, MA

9:18 Individual Harmonic Listening for the Improvement of the Speaking and Singing Voice Erkki Bianco, MD

## **CASE PRESENTATIONS**

9:26 A Comprehensive Investigation of a Vocal Impersonator Ioana Revis PhD

9:31 Validation of the Measure of the Estimated Sub Glottal Pressure in Singing Voice

Leslie Akl, BA

9:36 Finding His Voice: Vocal Fold Paralysis in a Professional Singer with Non-Hodgkins's Lymphoma Amy Lebowitz-Cooper, MS, CCC-SLP

9:41 Aspects of Performing Voice Care in Relation to Emotions Gwen Korovin, MD 9:46 Evaluating Larvngeal Agility The Case of the Human Beatbox Lise Crevier-Buchman, MD, PhD 9:51 Question & Answer 10:00 Coffee Break

SCIENTIFIC SESSION **REFLUX AND THE LARYNX** 

Moderator: Mark Courey, MD

Podium Presentations

10:30 Glottal Insufficiency and LPR Symptoms: Are We Overprescribing PPIS in the Atrophy Population? Thomas Carroll, MD

10:39 The Challenge of Protocols for Reflux Disease-A Review and Development of a Critical Pathway Kenneth Altman, MD, PhD

10:48 The Incidence of Underlying Pathology

10:57 Benefits of a Strict Two-Week ("Detox")

in Patients Presenting with an Established

Low-Acid Diet in Patients with Airway and

11:06 Coordinated pH-Impedance and High-

11:15 Laryngopharyngeal Reflux As A

11:24 Relevancy of Acoustic Analysis for

1:15 Kevnote Speech: New Methods for Manipulating

and Recording from Vocal-Related Motor Circuits

1:45 Management of Pediatric Larvngeal Paralysis

1:54 Prevalence and Risk Factors of Voice Problems

12 Acoustic Outcomes and Pediatric Voice Handican

in Preschool Children: Implications for Prevention

Hanna Mackiewicz-Nartowicz, PhD

Resolution Espophageal Manometry for High Dose

Diagnosis of Reflux

Voice Symptoms

Jamie Koufman, MD

BID PPI Failures in LRPD

Defining Reflux Severity

11:33 Question & Answer

12:00 pm Lunch (On your own)

SCIENTIFIC SESSION

Podium Presentations

Tina Scalzo, B Sp Path (Hons)

2:03 Complex Voice Restoration after

Laryngotracheal Reconstruction: Case Series

Index Scores following Surgical Management of

Pediatric Unilateral Vocal Fold Immobility

Gayle Woodson, MD

and Management

and Key Principles

Karen Zur, MD

Christopher Hartnick, MD

PEDIATRIC VOICE DISORDERS

Moderator: Sarah Schneider, MS

Bahul Shrivastav PhD

Michael Long, PhD

Thomas Carroll, MD

Phoniatric Problem

Benjamin Rafii, MD

# general information

## 2:21 **Dysphonia in the Pediatric Craniofacial**

Scott Rickert, MD 2:30 New Options for Management of Pediatric Unilateral Vocal Fold Paralysis

Ponulation

Karen Zur, MD

3:15 Coffee Break

Peak Woo, MD

Reassionment

Peak Woo, MD

Libby Smith, DO

5:30 pm Adjourn

2:39 Comparing Normative Pediatric Voice Acoustic Data Obtained from Conversational Speech rather than Isolated Phrasings: Moving Towards Increased Recording Stability Gillian Diercks, MD 2:48 Question & Answer

#### SCIENTIFIC SESSION **CONTEMPORARY ISSUES IN VOICE** AND LARYNGOLOGY

 Moderator: Christine Sapienza, PhD **Podium Presentations** 

3:45 Hooked-Wire-Electrodes for Monitoring the Recurrent Nerve during Thyroid Surgery Gerd Fabian Volk, MD

3:53 The Efficacy of Office Biopsy for Laryngopharyngeal Lesions: Comparison with Surgical Evaluation

Kenneth Altman, MD, PhD

4:01 Larvngology Practice in the Community-Is It All Academic? Ajay E. Chitkara, MD

4:09 Spectral Analysis of Glottal Vibrogram Derived from Digital Kymography: Normal Variations

4:17 Toward an Integrated Approach for Modeling Evoked Rabbit Phonation Bernard Rousseau, PhD

4:25 Glottoplasty Outcomes for Primary Versus Secondary Male-To-Female Transgender Vocal

Marc Remacle, MD, PhD

4:33 Coping Behaviors and Attitudes of Individuals with Spasmodic Dysphonia Bari Hoffman Ruddy, PhD

4:41 High-Speed Digital Imaging and the Influence of Frame Rates on Endoscopic Parameters in Assessing Vocal Fold Vibratory Function Takeshi Ikuma, PhD

**CASE PRESENTATIONS** 

4:49 Spectral Analysis of Glottal Vibrogram Derived from Digital Kymography: Changes Before and After **Phonosurgery Treatments in Two Patients** 

4:54 In Office Tattooing of Supraglottic Defect after Partial Laryngectomy Prior to Augmentation in the Operating Room

4:59 Verruca Vulgaris of the Vocal Folds: A Rare Cause of Dysphonia Omer Karakoc, MD 5:04 Question & Answer

5:15 Closing Comments

## Location

NYU Langone Medical Center Farkas Auditorium 550 First Avenue, New York, NY 10016

## **Accreditation Statement**

The NYU Post-Graduate Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

## **Credit Designation Statement**

The NYU Post-Graduate Medical School designates this live activity for a maximum of 14.50 AMA PRA Category 1 Credits<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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10/5: 7.25 AMA PRA Category 1 Credits™ 10/6: 7.25 AMA PRA Category 1 Credits™



Weill Cornell Medical College Department of Otorhinolaryngology is approved by the Continuing Education Board of the Hearing Association (ASHA) to provide continuing education

activities in speech-language pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

This program is offered for up to 2.1 ASHA CEUs (Intermediate level; Professional area)

### **Disclosure Statement**

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### Registration

To register, please visit our secure website: http://cme.med.nyu.edu/voice Applications will be accepted in order of their receipt. In order to reserve your seat, please register in advance, as on-site registration is not guaranteed. An email confirmation will be sent confirming your registration. Written confirmations will not be mailed. Please note: We cannot accept telephone or email registration.

## Mailing Address and Contact Information

Registration Office, NYU Post-Graduate Medical School P.O. Box 1855, Murray Hill Station New York, NY 10016 Phone: (212)263-5295 Fax: (212)263-5293

## **Hotel Accommodations**

Rooms are in very heavy demand in New York City; we urge you to make your reservations early. You may obtain a list of hotels located near NYU School of Medicine by visiting our website: http://cme.med.nyu.edu/travel

# COURSE REGISTRATION FORM

Register online at http://cme.med.nyu.edu/voice

## The Fall Voice Conference

# 046, October 4th-6th, 2012 NYU Langone Medical Center, Farkas Auditorium, 550 First Avenue, New York, NY 10016

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REQUIRED FOR CME CREDIT.

Dearee

Reduced Fee - All Physicians in Training, Allied HC Professionals, Speech Pathologists: \$300

Residents, Fellows, FT Students (with proof): \$150

Thursday October 4th Optional Pre-Course Workshop (non CME): \$75

METHODS OF PAYMENT (cash and telephone registration are not accepted). If faxing, do not mail or refax – this will result in a duplicate charge to your account.

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After 12pm on October 1, 2012,

only on-site registration is

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Refund Policy: An administrative charge of 30% of your tuition payment will be assessed for cancellations prior to September 20, 2012, Cancellations must be in writing and postmarked no later than the above date. Faxes and emails are not accepted. Cancellations will not be accepted after the above date.

Course Cancellation Policy: In the unusual circumstance that this course is cancelled, two weeks notice will be given and tuition will be refunded in full. The NYU Post-Graduate Medical School is not responsible for any airfare, hotel or other costs incurred



Special Needs or Requests:

(Foreign registrants, including th by either International Postal Mo