

BARRS Organizing Committee  
c/o Antoinette Niblett, Kaiser GME  
3600 Broadway  
Oakland, CA 94611  
**BARRS 2021**

The 37<sup>th</sup> Annual  
**BAY AREA  
RESIDENTS'  
RESEARCH  
SYMPOSIUM**

in  
**Otolaryngology /  
Head & Neck Surgery**



**KAISER PERMANENTE  
OAKLAND, CALIFORNIA**

**Friday, May 14, 2021**

**CME CREDITS**

Kaiser Foundation Hospital-  
Oakland/Richmond is accredited by the  
Institute for Medical Quality and the  
California Medical Association to provide  
continuing medical education for  
physicians. Kaiser Foundation Hospital-  
Oakland/Richmond takes responsibility for  
the content, quality, and scientific integrity  
of the CME activity.

Kaiser Foundation Hospital-  
Oakland/Richmond designates 4.5hours of  
category 1 credit toward the California  
Medical Association's Certification in the  
Continuing Medical Education and the  
AMA's Physician's Recognition Award.  
Each physician should claim only those  
hours of credits that he/she actually spent  
in the educational activity.



**BARRS ORGANIZING COMMITTEE**

Megan Durr, MD, FACS, *Chair*  
Jolie Chang, MD  
Kara Davis, MD  
Jonathan Liang, MD  
Toby Steele, MD  
Kevin Wang, MD  
Noriko Yoshikawa, MD

**INFORMATION**

Antoinette Niblett  
3600 Broadway  
Oakland, CA 94611  
Telephone (510) 752-1935  
Fax (510) 752-1571

This symposium is hosted by the  
Kaiser Permanente Oakland Medical Center  
Head & Neck Surgery Residency Program.

**REGISTRATION INFORMATION**

Date: **Friday, May 14, 2021**  
Time: 8:00AM-2PM Program

Virtual: **Microsoft Teams Meeting**  
Join on your computer or mobile app  
[Click here to join the meeting](#)  
Or call in (audio only)  
+1 213-533-9530, 258700472#  
United States, Los Angeles  
Phone Conference ID: 258 700 472#  
[Find a local number](#)

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## OVERVIEW

The Bay Area Residents' Research Symposium (BARRS) provides a unique forum for otolaryngology residents to present their original research projects. A keynote speaker and the audience offer the residents constructive criticism on the design, validity and presentation of their research. Clinicians, researchers and residents benefit from the interactive discussion based on each presented topic.

## SYMPOSIUM OBJECTIVES

By the conclusion of this symposium, attendees will be able to:

1. Critique the scientific validity of the conference's presentations.
2. Summarize the elements of a clear, concise scientific presentation.
3. Describe at least three areas of cutting edge research development in our specialty.

## DISTINGUISHED FACULTY

### **Robert T. Sataloff, MD, DMA, FACS**

Professor and Chairman, Department of Otolaryngology-Head and Neck Surgery and Senior Associate Dean for Clinical Academic Specialties, Drexel University College of Medicine

### **Megan Durr, MD, FACS**

Department of Head and Neck Surgery  
Kaiser Permanente  
Oakland Medical Center

### **Jason Gilde, MD**

Department of Head and Neck Surgery  
Kaiser Permanente  
Vallejo Medical Center

### **Brian Song, MD**

Department of Head and Neck Surgery  
Kaiser Permanente  
Fremont Medical Center

## SYMPOSIUM OUTLINE

- 8:00 Introduction and Welcome  
**Megan Durr, MD, FACS**  
Moderator: Megan Durr, MD, FACS
- 8:05 **Yi Cai, MD**  
*A Prospective Feasibility Study on Patient Use of Low-Cost Digital videoscopes and smartphones for remote ear and oropharyngeal exams*
- 8:15 **Elizabeth A. Shuman, MD**  
*Remote Voice Testing: a comparison of cepstral analysis between two remote modalities versus in-person recording*
- 8:25 **Caitlin Wolfe Pacheco, MD**  
*Natural Progression of Untreated Zenker's Diverticulum*
- 8:35 **Yohanan Kim, MD**  
*Neurofibroma of the true vocal cord: a case presentation and review of the literature*
- 8:45 **Chloe Domville-Lewis, MD**  
*Vocal Hygiene in Collegiate Singers – Does Formal Training Relate to Practices?*
- 8:55 **Christopher Xiao, MD**  
*Sport and Recreational Causes of Nasal Bone Fractures*
- 9:05 **Grace Kim, MD**  
*Fate-Mapping Reveals Features of Surviving Hair Cells During Recovery of the Damaged Mouse Balance Organs*
- 9:15 **George Liu, MD**  
*Accounting for More of the Auditory Brainstem Response Yields Better Signal Detection*
- 9:25 **Nikolas R. Block-Wheeler, MD**  
*Predictors of Surgically-Managed Obstructive Sleep Apnea: Comorbid Pain and Psychiatric Disease*

## SYMPOSIUM OUTLINE

- 9:35 **Break**  
Moderator: Jason Gilde, MD
- 9:50 **Karolina Plonowska-Hirschfeld,, MD**  
*Duration of Antimicrobial Prophylaxis Following Head and Neck Microvascular Free Tissue Reconstruction: A Comparison of 30Day Antibiotic Re-Initiation Rates*
- 10:00 **Abel P. David, MD**  
*Effect of Microporous Polysaccharide Hemospheres on Postoperative Fluid Drainage Following Anterolateral Thigh Free Flap Harvest: A Prospective Randomized Controlled Trial*
- 10:10 **Lindsay Olinde, MD**  
*Quality Improvement Project in Geriatric Head and Neck Cancer Patients*
- 10:20 **David Chou, MD**  
*Assessment of Postoperative Pain in Facial Feminization Surgery*
- 10:30 **Camille Huwyler, MD**  
*Academic and Gender Differences Among U.S. Otolaryngology Board Members*
- 10:40 **Philip Biggs, MD**  
*Improving Care of Patients with Tracheostomy Tubes in the Hospital*
- 10:50 **Peter Debbaneh, MD**  
*Characterization of Electronic Cigarette Users in the Otolaryngology Clinic*
- 11:00 **Break**
- 11:10 Keynote Speaker:  
**Robert T. Sataloff, MD, DMA, FACS**  
*Endoscopic Voice Surgery: Current Concepts*

## SYMPOSIUM OUTLINE

- 11:55 Q&A
- 12:10 **Break**  
Afternoon Introduction  
Moderator: Brian Song, MD
- 12:20 **Michael Chang, MD**  
*Implementation of a standardized perioperative pain management protocol in otolaryngology*
- 12:30 **Renuka Reddy, MD**  
*Surgeon Education through a Surgical Cost Feedback System Reduces Supply Cost in Endoscopic Skull Base Surgery*
- 12:40 **Megan Morisada, MD**  
*Telemedicine, Patient Satisfaction, and Chronic Rhinosinusitis Care in the Era of COVID-19*
- 12:50 **Steven Dennis, MD**  
*Treatment Outcomes with Conservative Management of Frontal Sinus Outflow Tract Fractures*
- 1:00 **Noel Ayoub, MD**  
*Multi-institutional, randomized controlled trial assessing opioid use and analgesic requirements after endoscopic sinus surgery*
- 1:10 **Rijul Kshirsagar, MD**  
*A Geospatial Analysis of the Rhinologist Workforce in the United States*
- 1:20 **Farrukh Virani, MD**  
*The impact of Surgical Cryoablation on Symptoms and Quality of Life in Patients with Chronic Rhinitis*
- 1:30 **Break (Vote Tallying)**
- 1:45 **Conclusion /Award Announcement**  
**Megan Durr, MD FACS**

Save the Date  
BARRS 2022  
Friday, May 13, 2022