

13th Annual
Seattle Otology & Rhinology Course (SOAR)
March 6 – 8, 2025
AGENDA

Thursday, March 6, 2025
Rhinology Surgery Lab & Lectures

- 7:30 a.m. **Registration, Breakfast & Exhibits**
- 7:50 a.m. **Welcome & Overview**
Greg Davis, MD, MPH, FARS & Arif S. Janjua, MD, FRCSC
- 8:00 a.m. **Pre-Op CT Sinus Review**
Craig Miller, MD
Objectives:
- Learn a structured approach to reviewing a sinus CT scan when planning sinus surgery.
 - Recognize the appropriate prosthesis for middle ear reconstruction.
 - Gain an understanding of enhanced middle ear anatomy through the surgical endoscopes
- 8:15 a.m. **Maxillary Antrostomy and Extended Maxillary Approaches**
Ashleigh Halderman, MD
Objectives:
- Outline the steps for safe and effective maxillary sinus aeration.
 - Review how large to make a maxillary antrostomy, and what influences this decision
 - Appreciate instruments and techniques required to treat challenging maxillary sinus disease (i.e. ventilating a contracted and/or severely diseased maxillary sinuses and/or removing lesions deep within the maxillary sinuses).
- 8:30 a.m. **Ethmoid and Sphenoid Sinus Surgical Pearls**
Rodney J. Schlosser, MD
Objectives:
- Outline the steps for safe, but complete, ethmoid and sphenoid sinus aeration.
 - Describe techniques to find the natural sphenoid os.
- 8:45 a.m. **Demystifying Frontal Sinus Surgery**
Jeremiah Alt, MD, PhD, FACS, FARS
Objectives:
- Outline key concepts in safely approaching the frontal sinus.
 - Learn ideal instruments to help dissect the frontal sinus.
 - Understand the complex anatomy of the frontal sinus and how to manage those anatomical variations.
- 9:00 a.m. **Transition to the BioSkills Lab**
- 9:15 a.m. **Live Prosections: Novel Devices, Balloon Dilations & Complete Sinus Surgery**
Prosection: Endoscopic Septal Surgery (10 min.)
Arif S. Janjua, MD, FRCSC
Prosection: Ethmoid, Conservative Maxillary Antrostomy & Sphenoid Sinus Surgery (15 min.)
Rodney J. Schlosser, MD
Prosection: Frontal Sinus Surgery (Draf I, Draf IIa, Anterior Middle Turbinate Resection & Draf IIb) (10 min.)

Jeremiah Alt, MD, PhD, FACS, FARS

Prosection: Extended Maxillary Surgeries (Mega Antrostomy & EMM) (10 min.)

Ashleigh Halderman, MD

Prosection: Novel Nasal Devices (10 min.)

Greg Davis, MD, MPH, FARS

Objectives:

- Demonstrate Maxillary, Ethmoid, Sphenoid, and Frontal Sinus Surgery.
- Demonstrate Middle Turbinate Resection.
- Identify the important surgical anatomic landmarks for Frontal Sinus Surgery and demonstrate the differences between a Draf I, Draf IIa & Draf IIb Frontal Sinusotomy (including Middle Turbinate Resection).
- Review extended approaches for Maxillary Sinus Pathologies.
- Demonstrate novel sinus surgical devices including sinus balloons, Eustachian tube balloons, septoplasty balloons & RF devices for PNNA.

10:15 a.m. **Break & Exhibits**

10:30 a.m. **Hands-On BioSkills Lab Dissection No.1**

Endoscopic Septal Surgery

Maxillary, Ethmoid, Sphenoid & Frontal Sinus Surgery

Extended Maxillary Surgery

Novel Nasal Devices

Objectives:

- Perform safe Maxillary, Ethmoid, Sphenoid & Frontal Sinus Surgery.
- Use novel devices including sinus balloons, Eustachian tube balloons, septoplasty balloons, and RF devices for PNNA.

12:00 p.m. **Lunch & Exhibits**

12:30 p.m. Lunch & Learn: Septal Perforation Repair Techniques

Jeremiah Alt, MD, PhD, FACS, FARS

Objectives:

- Understand implications of a septal perforation.
- Discuss options to repair septal perforations.

12:45 p.m. **Live Prosections: CSF Leak Repair, Orbit Decompression & Lothrop**

Prosection: Management of Complications in ESS – SPA Ligation & CSF Leak Repair (10 min.)

Prosection: Management of Complications in ESS – Canthotomy/Cantholysis & AEA Ligation via Lynch (10 min.)

Prosection: Management of Complications in ESS – Orbit Decompression & Optic Nerve Decompression (10 min.)

Prosection: Complete Middle Turbinate Resection + Lothrop/Draf III Procedure (15 min.)

Objectives:

- Learn how to address surgical complications.
- Demonstrate Draf III approach to the frontal sinus.

1:30 p.m. **Hands-On BioSkills Lab Dissection No.2**

Management of Complications in Sinus Surgery

- SPA Ligation
- AEA Ligation (via Lynch)
- Canthotomy/Cantholysis
- Orbital Decompression
- Optic Nerve Decompression

CSF Leak Repair

Middle Turbinate Resection & Draf III Frontal Sinusotomy

Objectives:

- Perform techniques to deal with surgical complications.

- Perform a Draf III frontal sinus surgery.

3:00 p.m.

Break & Exhibits

3:15 p.m.

Rhinology Panel 1: Challenging Cases – Ask the Experts

Moderator: Ashleigh Halderman, MD

Panelists:

Objectives:

- Discuss challenging cases in everyday rhinology.

3:45 p.m.

Complication in Sinus Surgery

Alexander G. Chiu, MD

Objectives:

- Discuss the proper management of all orbit complications.
- Understand how to safely manage intra-operative hemorrhage during sinus surgery.
- Gain skill in identifying intra-op CSF leaks.
- Learn the emergency steps to take when a CSF leak occurs.

4:15 p.m.

Rhinology Panel 2 & Happy Hour: Current Challenges in Rhinology

Moderator: Sanjay R. Parikh, MD, FACS

Panelists:

Objectives:

- Explore the most up-to-date advances and surgical techniques in rhinology.
- Assess the controversies in the medical and surgical management of patients with chronic sinusitis.

5:00 p.m.

Adjourn

Friday, March 7, 2025
Rhinology Lectures & Panel Discussions

7:30 a.m.

Registration, Breakfast & Exhibits

7:50 a.m.

Welcome & Overview

Douglas D. Backous, MD; Greg Davis, MD, MPH, FARS & Arif S. Janjua, MD, FRCSC

8:00 a.m.

Novel Classification & Mindset for Chronic Rhinosinusitis

Arif S. Janjua, MD, FRCSC

Objectives:

- Understand the phenotypic difference between Type 2 and Non-Type 2 Inflammatory Sinus Disease – and its implications for the modern management of CRS.
- Understand the concept of comprehensive sinus surgery and how it impacts outcomes after ESS.
- Review key surgical concepts to improve outcomes including ergonomics, visualization, concurrent septal surgery & mucosal preservation.

8:15 a.m.

Personalized Surgery for Chronic Sinusitis

Rodney J. Schlosser, MD

Objectives:

- Explore the personalized features that go into surgical decision making for Inflammatory Sinus Disease.
- Learn how to adjust the extent of surgery based on specific patient factors.

8:30 a.m.

Immunodeficiency Evaluation for Recalcitrant Chronic Sinusitis

Drew Ayars, MD

Objectives:

- Review the basics of the immunologic work up of patients with recalcitrant CRS.

- Learn a practical algorithm for this immunologic evaluation.

9:00 a.m.

Rhinology Panel 3: Biologics for Surgeons – When, Where & How?

Moderator: Jeremiah Alt, MD, PhD, FACS, FARS

Panelists:

Objectives:

- Learn an evidence-based approach to medical therapies for nasal polyps.
- Appreciate the risks associated with significant or ongoing oral prednisone use.
- Understand the nuances of the biologic therapies available for nasal polyps.

9:30 a.m.

Break & Exhibits

10:00 a.m.

Rhinology Panel 4: Anesthesia for Office-Based Procedures

Moderator: Greg Davis, MD, MPH, FARS

Panelists:

Objectives:

- Learn injection-less techniques for natural anesthesia.
- Appreciate alternative approaches to anesthetizing the nose and sinuses for awake procedures.

10:15 a.m.

Nasal Obstruction and Treatment Options: Novel Approaches

Craig Miller, MD

Objectives:

- Understand the utility of new techniques and devices to treat nasal obstruction in the office.
- Appreciate anatomic considerations for decision making regarding treatment options for nasal obstruction.

10:30 a.m.

Novel Treatments for Rhinitis

Greg Davis, MD, MPH, FARS

Objectives:

- Understand the importance of treating the nasal valve.
- Learn novel options for the in-office management of nasal congestion.

10:45 a.m.

Management of Epistaxis

Mamie Higgins, MD

Objectives:

- Discuss the management of Epistaxis, including surgical approaches to the SPA & AEA.

11:00 a.m.

Fungal Sinusitis: When & How to Treat

Ashleigh Halderman, MD

Objectives:

- Understand the key features in diagnosing and treating Fungal Sinusitis.
- Learn different treatment options for Fungal Sinusitis.

11:15 a.m.

Rhinology Panel 5: Recalcitrant Chronic Sinusitis

Moderator: Mamie Higgins, MD

Panelists:

Objectives:

- Learn treatment options for when standard medical and surgical approaches do not cure the chronically diseased sinus.
- Discuss extended surgical approaches for severely diseased sinuses.

11:30 a.m.

Last 10 Minutes of Sinus Surgery & Post-Op Care

Arif S. Janjua, MD, FRCSC

Objectives:

- Understand that the last 10 minutes are key to setting up the nasal cavity for optimal post-op healing.
- Discuss suture techniques for the septum and middle turbinates.

- Review the importance, frequency & tools required for successful post-operative debridements.

11:45 a.m. **The Final Countdown: What Burning Rhinology Questions Do You Have?**

Greg Davis, MD, MPH, FARS & Arif S. Janjua, MD, FRCSC

Objectives:

- Provide a final moment for participants to ask questions.
- Faculty will discuss other keys to success (from instruments to surgical pearls).

12:00 p.m. **Lunch & Exhibits**

Otology Lectures & Panel Discussions

12:30 p.m. **Billing and Coding: The Blend of Optimization and Compliance in Otolaryngology**

Michelle Netoskie, COPM, CPC, COC, CPPM, CPMA, CRC, CPB, CPC-I

Objectives:

- Receive a comprehensive update of ICD-10 and CPT coding in otolaryngology
- Apply appropriate modifiers to ensure payment with proper compliance.
- Understand the implications of under- & over-coding.

1:00 p.m. **Allergy Testing & Treatment in Patients with Chronic Sinusitis, Rhinitis & Eustachian Tube Dysfunction**

Drew Ayars, MD

Objectives:

- Understand the role of environmental allergies in rhinitis, sinusitis, ear fullness & Eustachian tube dysfunction.
- Describe the role of allergy testing in diagnosing and guiding treatment in patients with Eustachian tube abnormalities.

1:20 p.m. **Otology Panel 1: Plugging, Popping & Ear Fullness**

Moderator: Mamie Higgins, MD

Panelists: Matthew Bartindale, MD; Clifford R. Hume, MD, PhD; Daniel J. Lee, MD & Michelle Netoskie, COPM, CPC, COC, CPPM, CPMA, CRC, CPB, CPC-I

Objectives:

- Evaluate patients with common problems related to ear pressure.
- Understand the role of allergy testing and nasal endoscopy for these difficult patients.
- Integrate systemic, topical & surgical treatments in the patient group.
- Code and bill appropriately.

2:50 p.m. **Break & Exhibits**

3:05 p.m. **Otology Panel 2: Managing Problems that Drive Us Nuts in Clinic: Pulsatile Tinnitus, Recurrent Cerumen, Sudden Hearing Loss, “I am Dizzy” & Draining/Itchy Ears**

Moderator: Douglas D. Backous, MD

Panelists: Michael Olds, MD; Daniel M. Zeitler, MD; Rafael Jaramillo, MD; Margaret Aron, MD, FRCSC

Objectives:

- Solicit an efficient history.
- Guide cost-effective evaluation & treatment for difficult to manage, yet common clinical problems.

3:35 p.m. **Otology Panel 3: Chronic Otitis Media: Managing the Infection while Optimizing Hearing**

Moderator: Rafael Jaramillo, MD

Panelists: Clifford R. Hume, MD, PhD; Douglas D. Backous, MD, FACS; Michael Olds, MD; David E. Olson, MD

Objectives:

- Challenge the dogma of manage the cholesteatoma/infection first, then correct the hearing loss.
- Understand the role of ossiculoplasty in revision cases of chronic otitis media and cholesteatoma.
- Understand the role of cartilage tympanoplasty and cartilage embedded tympanostomy tubes in controlling chronic otitis media.
- Identify risk factors for more difficult cases of chronic otitis media.

4:05 p.m. **Break & Exhibits**

4:20 p.m. **Otology Panel 4: Managing Acute and Chronic Facial Nerve Dysfunction**

Moderator: Prabhat K. Bhamra, MD

Panelists: Matthew Bartindale, MD; Daniel M. Zeitler, MD; Gavriel D. Kohlberg, MD; Daniel J. Lee, MD; Margaret Aron, MD, FRCSC

Objectives:

- Define the clinical pathway to treat and evaluate for etiology in cases with acute facial palsy.
- Understand the role of steroids and antivirals in managing facial palsy.
- Understand the role of surgery in managing acute and chronic facial palsy.
- Determine when static procedures are indicated in cases of facial palsy.

5:00 p.m. **Product Theater Sponsored by Regeneron**

Non-CME Activity

6:00 p.m. **Happy Hour**

Saturday, March 8, 2025
Otology Surgery Lab & Lectures

7:30 a.m. **Registration, Breakfast, Exhibits & Change into Scrubs**

7:40 a.m. **Welcome & Overview**

Douglas D. Backous, MD & David E. Olson, MD

7:45 a.m. **Optimizing the Otological Surgery Experience**

Douglas D. Backous, MD

Objectives:

- Understand the proper posture when drilling to avoid surgeon disability.
- Define the angle of use for the drill.
- Set up and verify the function of the facial nerve monitor.

8:00 a.m. **Hands-On BioSkills Temporal Bone Drilling Lab No.1**

Orientation to Drill Technology and the Choice of Drill Bits

Endaural vs. Postauricular Ear Canal Incisions

External Auditory Canalplasty

Approaches to the Middle Ear

Middle Ear and Mastoid Endoscopy

Balloon Dilation of the Eustachian Tube

Objectives:

- Implement a stepwise approach to middle ear reconstruction.
- Recognize the appropriate prosthesis for middle ear reconstruction.
- Carry out an anatomically correct balloon dilation of the eustachian tube.

10:30 a.m. **Break & Exhibits**

10:45 a.m. **Hands-On BioSkills Temporal Bone Drilling Lab No.2**

Stapedotomy/Stapedectomy Techniques

Ossiculoplasty Techniques

Cartilage Harvesting and Cartilage Tympanoplasty
Complete Mastoidectomy
Inside-Out Mastoidectomy Techniques
Facial Recess/Posterior Tympanotomy
Continued Training in Endoscopic Techniques

Objectives:

- Implement a stepwise approach to stapedotomy/stapedectomy.
- Perform a complete mastoidectomy and an inside-out mastoidectomy.
- Choose and place an appropriate prosthesis for specific ossiculoplasty challenges.
- Demonstrate cartilage modeling techniques relevant to middle ear surgery.
- Understand ways to integrate endoscopy into one's surgical practice.

12:00 p.m. **Lunch & Exhibits**

12:30 p.m. **Integration of the Exoscope for Improved Visibility in Otology**

Michael Olds, MD

Objectives:

- Understand the working advantages and challenges using the exoscope in otology.
- Define indications for endoscopes, microscopes & exoscopes in otological surgery.
- Understand the advantages & challenges of improved visualization vs. depth of field visualization.

1:00 p.m. **Hands-On BioSkills Temporal Bone Drilling Lab No.3**

Cochlear Implant Techniques (Cochleostomy vs. Round Window Insertion)

Retrofacial Air Cell Drill Out

Endolymphatic Sac Decompression

Trans-Mastoid Labyrinthectomy

Objectives:

- Illustrate the location of the jugular bulb, carotid artery & cochlear aqueduct in the middle ear.
- Recognized the key anatomic danger areas in labyrinthectomy.
- Understand the nuances of canal wall down mastoidectomy to foster full healing.

3:30 p.m. **Break & Exhibits**

3:45 p.m. **Hands-On BioSkills Temporal Bone Drilling Lab No.4**

Opening the Internal Auditory Canal from the Mastoid

External Auditory Canal Wall Removal and Modified Radical Mastoidectomy

Posterior and Superior Semicircular Canal Plugging

Decompression of the Facial Nerve from the Stylomastoid Foramen to the Internal Auditory Canal

Petrous Apicectomy

Begin Second Bone & Proctor Attendees Through Whatever Techniques They Would Like to Practice

Facial Nerve Prosection

Objectives:

- Understand and articulate the entire course of the facial nerve.
- Recognize the key anatomic danger areas in labyrinthectomy.
- Understand the 3D anatomy of the internal auditory canal.
- Understand the different osseointegrated devices available and the surgical techniques for implanting them.

5:00 p.m. **Adjourn**