AGENDA

Thursday, March 9
Temporal Bone Course

7:30 a.m. Registration & Breakfast (change into scrubs)

7:55 a.m. Welcome & Course Overview
Douglas D. Backous, M.D.

8 a.m. Lecture: My Approach to Planning Surgery for Chronic Otitis Media and Cholesteatoma
prof. Dr. med. Thomas Lenarz

Objectives:
• Apply a step-wise approach for cholesteatoma eradication and middle ear reconstruction
• Recognize the role of imaging in planning cholesteatoma surgery

8:30 a.m. Temporal Bone Drilling Lab 1
Backous, McMenomey, Lenarz, Vincent, Hume, Hoistad, Duong, Zeitler
1. Orientation to Drill Technology and the Choice of Drill Bits
2. Endaural vs. Postauricular Incisions
3. Ear Canal Incisions
4. External Auditory Canalplasty
5. Approaches to the Middle Ear
6. Middle Ear and Mastoid Endoscopy
7. Stapedotomy/Stapedectomy Techniques
8. Ossiculoplasty Techniques
9. Cartilage Harvesting and Cartilage Tympanoplasty
10. Complete Mastoidectomy
11. Facial Recess/Posterior Tympanotomy

Objectives:
- Implement a step-wise approach to middle ear reconstruction
- Recognize the appropriate prosthesis for middle ear reconstruction
- Perform a canal wall up and canal wall down mastoidectomy

10:30 a.m. Break & Exhibits

10:45 a.m. Decision Making in Staged Ossiculoplasty in Chronic Otitis Media and Cholesteatoma

Robert Vincent, M.D.

Objectives:
- Recognize the basic middle ear mechanics behind various middle ear reconstructions.
- Outline the role of a TORP vs. a PORP in second stage reconstruction of the middle ear

11:15 a.m. Temporal Bone Drilling Lab 2

Backous, McMenomey, Lenarz, Vincent, Hume, Hoistad, Duong, Zeitler

1. Continuation From Drilling Lab 1
2. Medial vs. Lateral Graft Tympanoplasty

Objectives:
- Implement a step-wise approach to middle ear reconstruction
- Recognize the appropriate prosthesis for middle ear reconstruction
- Perform a medial and a lateral graft tympanoplasty

12:30 p.m. Break & Pick up Lunch

12:45 p.m. Prudent Use of Vestibular Testing (working lunch)

Judith White, M.D., Ph.D.

Objectives:
- Recognize appropriate indications for rotational chair, calorics, VNG in evaluating the dizzy patient.
- Determine when to order oVEMP versus cVEMP testing.

1:30 p.m. Temporal Bone Drilling Lab 3

Backous, McMenomey, Lenarz, Vincent, Hume, Hoistad, Zeitler

1. Continuation of Drilling Lab 2
2. Cochlear Implant Techniques (Cochleostomy vs. Round Window Insertion)
3. Retrofacial Air Cell Drill-Out
4. Endolympathic Sac Decompression
5. Trans-Mastoid Labyrinthectomy
6. Opening the Internal Auditory Canal
7. External Auditory Canal Wall Removal And Modified Radical Mastoidectomy
8. Posterior and Superior Semicircular Canal Plugging
9. Decompression of the Facial Nerve from the Stylomastoid Foramen to the Internal Auditory Canal
10. External Meatoplasty

Objectives:
- Illustrate one’s scope of access to the middle ear from the mastoid through the retrofacial air cell tract
- Recognize the key anatomic danger areas in labyrinthectomy
- Practice a canal wall down mastoidectomy in the laboratory
- Explain the course of the mastoid segments of the facial nerve
- Perform an endolympathic sac decompression

3:30 p.m. Break & Exhibits
3:45 p.m.  **Panel 1: Stapes Surgery- How I Do It**  
Sean O. McMenomey, M.D., prof. Dr. med. Thomas Lenarz, Robert Vincent, M.D., Trac Duong, M.D.  
**Moderator: Douglas D. Backous, M.D.**  
**Objectives:**  
- Explain the role of lasers in stapes surgery.  
- Explain how to use crimping versus non-crimping prostheses.  
- Develop a standardized workup for conductive hearing loss patients.

4:30 p.m.  **Temporal Drilling Lab 4**  
Backous, McMenomey, Lenarz, Vincent, Hume, Hoistad, Duong, Zeitler  
1. Completion of Drilling Labs 1-3  
2. Begin your second bone and we will proctor you through whatever techniques you would like to practice.  
**Objectives:**  
- Completion of Drilling Labs 1 – 3  
- Begin your second bone and we will proctor you through whatever techniques you would like to practice  
- Perform a cochlear implant through a round window approach  
- Perform a labyrinthectomy for Meniere’s Syndrome

6:00 p.m.  **Adjourn**

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**Friday, March 10**

**Didactic Lectures and ENT Exploratorium**

7:30 a.m.  **Registration and Breakfast**

8 a.m.  **Expanding Indication for Cochlear Implants**  
Douglas D. Backous, M.D.  
**Objectives:**  
- Review indications for Cochlear implants including tinnitus, single sided deafness and hearing preservation

8:35 a.m.  **Implantable Hearing Devices: Now and Future Options**  
Prof. Dr. med. Thomas Lenarz  
**Objectives:**  
- Review current and future technology under development designed to treat hearing loss.  
- Outline current hearing preservation outcomes from cochlear implantations

9:05 a.m.  **Decision Making in Staged Ossiculoplasty in Chronic Otitis Media and Cholesteatoma**  
Robert Vincent, M.D.  
**Objectives:**  
- Outline a standardized approach to second stage reconstruction of the middle ear and chronic ear surgery

9:40 a.m.  **Time Effective Evaluation the Dizzy Patient**  
Judith White, M.D., Ph.D.  
**Objectives:**  
- Develop a standardized history for a dizzy patient  
- Perform a directed bedside evaluation of a dizzy patient
10:15 a.m. Break and Exhibits

10:45 a.m. Practical Approaches to The Chronic Ear: Staging, Canal-Wall Up or Down and How To Follow Outcomes Long-Term
Sean McMenomey, M.D.
Objectives:
- Recognize the role of middle ear endoscopy in chronic ear surgery
- Identify the instrumentation necessary to perform middle ear endoscopy

11:30 a.m. Panel Discussion of Challenging Otology Cases
Sean McMenomey, M.D., Prof. Dr. med. Thomas Lenarz, Robert Vincent, M.D., Trac Duong, M.D., Dick Hoistad, M.D., Daniel Zeitler, M.D.
Moderator: Douglas D. Backous, M.D.
Objectives:
- Articulate a logical approach to the preoperative evaluation of patients with cholesteatoma
- Decide when Mastoidectomy is appropriate in chronic ear surgery

12:15 p.m. Lunch & ENT Exploratorium with Exhibitors (not accredited)

Rhinology Course Begins

1 p.m. Welcome & Overview
Greg Davis, M.D., M.P.H.

1:10 p.m. Key Note Address: History Changing Events in Rhinology
Brent Senior, M.D.
Objectives
- Reflect on the interesting history of modern rhinology
- Apply the mistakes from the past to improve your outcomes in chronic rhinosinusitis management and treatment.

1:40 p.m. Panel: Challenges in Everyday Rhinology
Moderator: Greg Davis, M.D., M.P.H.
Objectives
- Identify many medical issues that are challenging to treat in chronic sinus disease
- Apply new approach the surgical aspects of common, though challenging, sinus cases.
- Appreciate up-to-date therapies to treat the most challenging sinus infections.

2 p.m. Pecha Kucha Session 1

2:10 p.m. – 2:20 p.m.
Advances in Immune Modulation in Rhinology
Drew Ayars, M.D.
Objective:
- Apply the most recent research in immune modulation available to patients with chronic rhinosinusitis and how to work with an Allergist/Immunologist to treat these complex patients.

2:20 p.m. – 2:30 p.m.
Tips For The Pediatric Nose
Scott Manning, M.D.
Objective:
• Plan for the challenges of treating pediatric nasal disease and learn key techniques to improving your ability to diagnose the pediatric sinus disease.

2:30 p.m. – 2:40 p.m.
Optimizing Hemostasis In Endoscopic Sinus Surgery
Jamie Litvack, M.D., M.S.
Objectives:
• Acquire new techniques and understanding of the optimal way to maintain minimal blood loss during endoscopic sinus surgery.

2:40 p.m. – 2:50 p.m.
CSF Rhinorrhea Evaluation And Management
Amy Anstead, M.D.
Objective:
• Appreciate the diagnostic challenges for CSF rhinorrhea, how best to test for this, and management options.

2:50 p.m. – 3 p.m.
“Maximal” Medical Therapy for Chronic Rhinosinusitis
Ian Humphreys, D.O.
Objective:
• Recognize the optimal medical therapy for chronic rhinosinusitis patients and understand what is no longer recommended medical therapy.

3 p.m. Break & Exhibits

3:20 p.m. Key Note Address: Allergic Fungal Sinusitis
Sarah Wise, M.D.
Objectives:
• Integrate the new evidence available to diagnose patients with allergic fungal rhinosinusitis.
• Improve management options for patients with allergic fungal rhinosinusitis.

3:50 p.m. Panel: Controversies in Rhinologic Surgery
Moderator: Brent Senior, M.D.
Objectives:
• Explore the most up-to-date advances and surgical techniques in Rhinology
• Identify the controversies in the medical management of patients with chronic sinusitis

4:30 p.m. Key Note Address: Contemporary Management of CRS & Nasal Polyposis – What Is The Evidence?
Raymond Sacks, M.D., F.C.S., FRACS
Objectives:
• Discuss the optimal surgical approaches to treating chronic rhinosinusitis
• Discuss the key aspects of post-operative treatment and surveillance for nasal polyps

5:00 p.m. Happy Hour Panel: Sinus Surgery Complications and How to Avoid Them
Moderator: Kris Moe, M.D.
Objectives:
• Recognize the danger areas within the sinus anatomy
• Distinguish how to avoid surgical complications by understanding the most common surgical errors that lead to those complications.

6 p.m. Adjourn
Saturday, March 11
Rhinology Lab

7:30 a.m.   Registration and Breakfast

8 a.m.     Welcome & Overview  
            Greg Davis, M.D., M.P.H.

8:10 a.m.  Surgically Mastering the Maxillary & Ethmoid Sinuses  
            Brent Senior, M.D.  
            Objectives:  
            • Identify important surgical anatomic landmarks for success maxillary and ethmoid sinus surgery  
            • Examine the techniques used to minimize complications for maxillary and ethmoid sinus surgery

8:35 a.m.  Surgically Mastering the Frontal & Sphenoid Sinuses  
            Raymond Sacks, M.D., F.C.S., FRACS  
            Objectives:  
            • Identify the important surgical anatomic landmarks for success frontal and sinus surgery  
            • Evaluate the techniques used to minimize complications for frontal and sphenoid sinus surgery

9 a.m.     Surgically Mastering In-Office Procedures Including Balloon Sinus Dilation  
            Sarah Wise, M.D.  
            Objectives:  
            • Recognize the appropriate indications for balloon sinus dilation  
            • Distinguish the key equipment and options needed for balloon sinus dilation

9:15 a.m.  Broadcast from BioSkills Lab  
            Prosections & Dissections:  
            1. Prosection: Balloon Sinus Dilation  
               Sarah Wise, M.D.  
            2. Prosection: Maxillary & Ethmoid Sinuses  
               Brent Senior, M.D.  
            3. Prosection & Dissection: Frontal & Sphenoid Sinuses  
               Raymond Sacks, M.D., F.C.S., FRACS

10 a.m.   Break, Exhibits & Transition to BioSkills Lab

10:30 a.m. Hands-on BioSkills Lab Dissection 1:  
            Maxillary, Ethmoid, Sphenoid and Frontal Sinus Surgery  
            All Faculty  
            Objectives for Broadcast and BioSkills Lab Dissection 1:  
            • Apply knowledge of balloon sinuplasty to cadaver specimens to learn the appropriate anatomy and technique for performing balloon sinuplasty.  
            • Distinguish the 3 different types of balloons available for balloon sinuplasty  
            • Explore approaches to maxillary and ethmoid sinus surgery using safe and effective newly acquired techniques  
            • Apply techniques learned from personal instruction, critique and advice for improving maxillary and ethmoid sinus surgery
Identify the important surgical anatomic landmarks for successful frontal and sinus surgery
Appreciate the techniques used to minimize complications for frontal and sphenoid sinus surgery
Examine approaches to frontal and sphenoid sinus surgery using safe and effective newly acquired techniques

12 p.m. Lunch & Exhibits
12:30 p.m. Pecha Kucha Session 2

12:30 p.m. – 12:40 p.m.
Recurrent Acute Rhinosinusitis
Roy Thomas, M.D.
Objective:
• Understand how to diagnose and treat this new diagnostic dilemma.

12:40 p.m. – 12:50 p.m.
No Time To Waste: Experience Of A Busy Rhinology Practice
Michael Cruz, M.D., FACS
Objective:
• Learn how to optimize efficiency and logistics in a rhinology practice.

12:50 p.m. – 1 p.m.
Odontic Sinus Disease
Al Pokorny, M.D.
Objective:
• Appreciate the new recommendations and warnings of treating pediatric rhinosinusitis.

1 p.m. – 1:10 p.m.
Epiphora
AJ Amadi, M.D., FACS
Objective:
• Apply the evaluation and management options in patients with epiphora.
• Learn how to work in a team approach to treating epiphora.

1:10 p.m. – 1:20 p.m.
Topical Therapies For Chronic Rhinosinusitis
Greg Davis, M.D., M.P.H.
Objective:
• Acquire information on the newest research related to using topical therapies to treat chronic rhinosinusitis.

1:20 p.m. Break & Exhibits
1:30 p.m. Prosections
1. Prosection: Endoscopic Medial Maxillectomy & Inferior Turbinate Reduction
Roy Thomas, M.D.
2. Prosection: SPA Ligation, Pterygomaxillary Space & Vidian Foramina
Ian Humphreys, D.O.
3. Prosection: Orbital & Optic Nerve Decompression, Endoscopic DCR
Greg Davis, M.D., M.P.H.

2 p.m. Hands-on BioSkills Lab Dissection 2:
All Faculty

**Objectives for Prosections and Hands-on BioSkills Lab 2**
- Identify the indications for endoscopic medial maxillectomy
- Apply the skills to perform an endoscopic medial maxillectomy
- Examine new approaches to sphenopalatine artery (SPA) ligation and various techniques to inferior turbinate reduction (ITR)
- Explore the approach and the anatomy of the vidian nerve
- Identify the important surgical anatomy of the pterygomaxillary space
- Examine the new and evidence-based medical management of CRS
- Practice techniques to perform safe orbital and optic nerve decompression surgery
- Analyze and practice endoscopic DCR techniques

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

3:30 p.m. **Prosections**
1. **Prosection: Canthotomy/Cantholysis**
   AJ Amadi, M.D., FACS
2. **Prosection: Repair of Skull Base Defects**
   Brent Senior, M.D.
3. **Prosection: Sella Turcica, Suprasellar Approach & Cavernous Sinus**
   Sarah Wise, M.D.
4. **Prosection: Lothrop Procedure**
   Raymond Sacks, M.D., F.C.S., FRACS

4 p.m. **Hands-on BioSkills Lab Dissection 3: Skull Base Defects, Nasoseptal Flap, Sella, Lothrop**

All Faculty

**Objectives for Prosections & Hands-on BioSkills Lab Dissection 3:**
- Perform a canthotomy/cantholysis
- Recognize the indications for canthotomy/cantholysis
- Recognize the complex anatomy of the sella turcica
- Review the anatomy of the suprasellar approach and the relationship to the cavernous sinus
- Practice a Lothrop procedure and apply these skills in the lab
- Recognize and apply emerging techniques of endoscopic approaches to the anterior skull base
- Recognize the role of modified endoscopic Lothrop procedure for treatment of recalcitrant frontal sinus disease
- Demonstrate the skills for how to perform a nasal septal flap for repair of skull base defects
- Practice new techniques for skull base defects with other materials

5:00 p.m. **Happy Hour with Panel Discussion: The N of 1 Sinus Case That Taught Me Something**
**Moderator:** Greg Davis, M.D., M.P.H.

**Objectives:**
- Recognize how to medically and surgically approach the most challenging rhinology cases presented by the experts
- Propose questions related to medical and surgical management of rhinology patients.

5:45 p.m. **Course Wrap-up**
**Greg E. Davis, M.D., M.P.H.**

**Objective:**
- Review course content covered in the symposium and summarize material discussed

6 p.m. **Adjourn**
COURSE FACULTY

OTOLOGY FACULTY

Douglas D. Backous, M.D., FACS, Course Director
Medical Director, Center for Hearing & Skull Base Surgery
Swedish Neuroscience Institute
Seattle, Washington

GUEST FACULTY

Prof. Dr. med. Thomas Lenarz
Professor and Chairman Department of
Otorhinolaryngology
Medical University of Hannover
Hannover, Germany

Robert Vincent, M.D.
Causse Ear Clinic
Béziers, France

LOCAL FACULTY

Trac Duong, M.D.
Bellevue ENT
Bellevue, Washington

Dick Hoistad, M.D.
Proliance Surgeons
Seattle, Washington

Clifford Hume, M.D., Ph.D.
University of Washington
Seattle, Washington

Sean McMenomey, M.D.
Director of Neurotology & Skull Base Surgery
Swedish Neuroscience Institute
Seattle, Washington

Judith White M.D., Ph.D.
Medical Director, Balance Center
Swedish Neurosciences Institute
Seattle, Washington

Daniel Zeitler, M.D.
Otology/Neurotology
The Listen for Life Center
Virginia Mason Medical Center
Seattle, Washington

RHINOLOGY FACULTY

Greg Davis, M.D., M.P.H, Course Director
Associate Professor of Otolaryngology
Director of Rhinology and Endoscopic Skull Base Surgery
University of Washington, Department of Otolaryngology-HNS
Seattle, Washington

GUEST FACULTY

Raymond Sacks, M.D., F.C.S., FRACS
Professor of Surgery & Head of Discipline of ORL/Head & Neck
Macquarie University
Sidney, Australia

Brent Senior, M.D., FACS, FARS
Professor of Otolaryngology/Neurosurgery
University of North Carolina at Chapel Hill
Chapel Hill, North Carolina

Sarah Wise, M.D.
Associate Professor of Otolaryngology
Emory University
Atlanta, Georgia
LOCAL FACULTY

AJ Amadi, M.D., FACS
Clinical Associate Professor
University of Washington Medical Center
Seattle, Washington

Amy S. Anstead, M.D.
Director of Rhinology & Endoscopic Skull Base Surgery
Virginia Mason Medical Center
Seattle, Washington

Drew Ayars, M.D.
Assistant Professor
Center for Allergy & Inflammation
University of Washington
Seattle, Washington

Vincent Chan, M.D.
Otolaryngology
Swedish Medical Center
Seattle, Washington

Michael Cruz, M.D., FACS
Clinical Instructor
University of Washington
Spokane, Washington

Ian Humphreys, D.O.
Assistant Professor
Rhinology & Endoscopic Skull Base Surgery
University of Washington
Seattle, Washington

Anna Knisley, M.D.
Rhinology/Otolaryngology
Swedish Medical Center
Seattle, Washington

Jamie Litvack, M.D., M.S.
Acting Assistant Professor
Department of Otolaryngology
University of Washington
Seattle, Washington

Scott Manning, M.D.
Professor
University of Washington
Seattle, Washington

Kris Moe, M.D.
Professor, Otolaryngology
Head & Neck Surgery
University of Washington
Seattle, Washington

Al Pokorny, M.D.
Clinical Assistant Professor
University of Washington
Spokane, Washington

Roy Thomas, M.D.
Assistant Professor of Surgery
Uniformed Services University
Madigan Army Medical Center
Tacoma, Washington