9th Annual Seattle Otology,  
Endoscopic Ear & Rhinology Course  
March 12 - 14, 2020  
AGENDA  

Thursday, March 12, 2020  
Rhinology Course

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

7:55 a.m. Welcome & Course Overview  
Douglas D. Backous, M.D., and Greg E. Davis, M.D.

8:10 a.m. What's New in Balloon Sinuplasty  
Douglas D. Reh, M.D.
Objectives:  
• Describe the role of balloon sinuplasty in treating sinusitis  
• Explain the indications for balloon sinuplasty  
• Discuss the indications and outcomes of balloon Eustachian tube dilation

8:25 a.m. Maxillary, Ethmoid, and Sphenoid Sinus Surgery (via remote broadcast)  
Amber Luong, M.D., Ph.D.
Objectives:  
• Identify key surgical anatomic landmarks for maxillary, ethmoid and sphenoid sinus surgery  
• Describe techniques used to minimize complications for maxillary, ethmoid, and sphenoid sinus surgery

8:40 a.m. Frontal Sinus Surgery (via remote broadcast)  
Alexander Chiu, M.D.
Objectives:  
• Identify the important surgical anatomic landmarks for frontal sinus surgery  
• Evaluate techniques used to minimize complications for frontal sinus surgery

8:55 a.m. Skull Base Surgery Made Simple  
Greg E. Davis, M.D.
Objectives:  
• Outline the surgical steps for performing endoscopic surgical approaches to the skull base  
• Describe the techniques for obtaining wide surgical exposure and preserving reconstructive options.

9:10 a.m. Transition to the BioSkills Lab

9:20 a.m. Live Demonstration Broadcast from BioSkills Lab No. 1
Prosections:
• Prosection & Dissection: Balloon Sinus and Eustachian Tube Dilation  
  Douglas D. Reh, M.D.
• Prosection & Dissection: Maxillary, Ethmoid & Sphenoid Sinus Surgery  
  Greg Davis, M.D.
• Prosection & Dissection: Frontal Sinus Surgery  
  David Poetker, M.D., M.A.
Objectives:
• Describe the appropriate anatomy and techniques for performing balloon sinuplasty
• Distinguish the different types of balloons available for balloon sinuplasty
• Review approaches to maxillary and ethmoid sinus surgery
• Identify the important surgical anatomic landmarks for frontal and sinus surgery
• Summarize the techniques used to minimize complications for frontal and sphenoid sinus surgery
• Review approaches to frontal and sphenoid sinus surgery

10 a.m. Break & Exhibits

10:15 a.m. Hands-on BioSkills Lab Dissection No. 1
Maxillary, Ethmoid, Sphenoid, and Frontal Sinus Surgery
All Rhinology Faculty
Objectives:
• Demonstrate the fundamental approaches for maxillary, ethmoid, sphenoid, and frontal sinus surgery
• Apply knowledge learned regarding techniques and equipment related to maxillary and ethmoid sinus surgery

11:45 a.m. Lunch & Exhibits

12:30 p.m. Live Demonstration Broadcast from BioSkills Lab No. 2
Prosections
• Prosection & Dissection: Inferior Turbinate Reduction, Medial Maxillectomy and Modified Denker’s Approach
  Greg Davis, M.D.
• Prosection & Dissection: Sphenopalatine Artery Ligation
  Sanjay Parikh, M.D.
• Prosection & Dissection: Orbit & Optic Nerve Decompression
  David M. Poetker, M.D., M.A.

Objectives:
• Identify the indications for endoscopic medial maxillectomy
• Review new approaches for sphenopalatine artery ligation and various techniques for turbinate reduction
• Identify the important surgical anatomy of the pterygomaxillary space

1 p.m. Hands-on BioSkills Lab Dissection No. 2
Medial Maxillectomy, Inferior Turbinate Reduction, Sphenopalatine Artery Ligation, Optic Nerve Decompression
All Rhinology Faculty
Objectives:
• Perform an endoscopic medial maxillectomy
• Perform orbital decompression surgery
• Apply knowledge learned regarding techniques and equipment related to maxillary and ethmoid sinus surgery

2:30 p.m. Break & Exhibits

2:45 p.m. Live Demonstration Broadcast from BioSkills Lab No. 3
Prosections
• Prosection & Dissection: Pituitary & Skull Base Surgery
  Greg E. Davis, M.D.
• Prosection & Dissection: Lothrop/Draf III Procedure
  Douglas D. Reh, M.D.
• Prosection & Dissection: Lateral Canthotomy & Cantholysis  
  *AJ Amadi, M.D.*

**Objectives:**
- Recognize the indications for canthotomy/cantholysis
- Review the complex anatomy of the sella turcica
- Outline the anatomy of the suprasellar approach and discuss the relationship to the cavernous sinus
- Define the role of modified endoscopic Lothrop procedure for the treatment of recalcitrant frontal sinus disease

3:15 p.m.  
**Hands-on BioSkills Lab Dissection No. 3**  
**Skull Base Defects, Nasoseptal Flap, Sella, Lothrop**  
*All Rhinology Faculty*  
**Objectives:**
- Perform a canthotomy/cantholysis
- Practice a Lothrop procedure
- Apply emerging techniques of endoscopic approaches to the anterior skull base
- Perform a nasal septal flap for repair of skull base defects

4:45 p.m.  
**Panel Discussion**  
**Challenges in Rhinologic Surgery**  
*Moderator: Sanjay Parikh, M.D.*  
*Panelists: Greg E. Davis, M.D., David M. Poetker, M.D., M.A., Amy Anstead, M.D., & Douglas D. Reh, M.D.*  
**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

6 p.m.  
**Adjourn**

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Thursday, March 12, 2020  
**Lectures and ENT Exploratorium**

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

8 a.m.  
**Welcome & Overview**  
*Douglas D. Backous, M.D., and Greg E. Davis, M.D.*

8:10 a.m.  
**Keynote Address** *(via remote broadcast)*  
**Avoiding & Managing Complications in Functional Endoscopic Sinus Surgery (FESS)**  
*Alexander Chiu, M.D.*  
**Objectives:**
- Identify and manage complications associated with FESS
- Outline the anatomy of paranasal sinuses

8:30 a.m.  
**Panel Discussion**  
**Decision Dilemmas in Sinus Surgery**  
*Moderator: Greg E. Davis, M.D.*  
*Panelists: Douglas D. Reh, M.D., & David M. Poetker, M.D., M.A., Al Pokorny, M.D., & Amy Anstead, M.D.*  
**Objectives:**
- Discuss the medical issues that are challenging in treating nasal polyps
- Describe how to surgically approach nasal polyps
• Assess newer therapies or medications to treat nasal polyps

9 a.m.  
**Keynote Address**  
**Making Sense of the Biologics and Aspirin Desensitization**  
Andrew Ayars, M.D.  
**Objectives:**  
• Discuss biologic options to treat chronic rhinosinusitis  
• Summarize potential benefits of each available biologic  
• Identify patients who may be candidates for aspirin desensitization

9:20 a.m.  
**Panel Discussion**  
**The Chronically Infected Sinus: Now What?**  
**Moderator:** David M. Poetker, M.D., M.A.  
**Panelists:** Andrew Ayars, M.D., Sanjay Parikh, M.D., Fariha Farid, D.O., Douglas Reh, M.D., Greg E. Davis, M.D.  
**Objectives:**  
• Recognize the danger areas within sinus anatomy  
• Distinguish how to avoid surgical complications with increased awareness of the most common surgical errors that lead to those complications

9:50 a.m.  
**Break & Exhibits**

10:10 a.m.  
**Keynote Address**  
**Corticosteroids: Know the Risks!**  
David M. Poetker, M.D., M.A.  
**Objectives:**  
• Describe the relationship between corticosteroids dosing and n3/es  
• Identify malpractice trends related to corticosteroids  
• Illustrate how to better educate patients on corticosteroids

10:30 a.m.  
**Panel Discussion**  
**Finding Success in Revision Sinus Surgery**  
**Moderator:** Douglas D. Reh, M.D.  
**Panelists:** David Poetker, M.D., M.A., Al Pokorny, M.D., Fariha Farid, D.O., & Greg E. Davis, M.D.  
**Objectives:**  
• Outline the complex issues, both medically and legally, related to the inferior turbinate  
• Describe a proper inferior turbinate reduction  
• List outcome measures for assessing turbinate surgery

11 a.m.  
**Keynote Address**  
**Nosebleed Management in Hereditary Hemorrhagic Telangiectasia (HHT)**  
Douglas D. Reh, M.D.  
**Objectives:**  
• Distinguish the pathophysiology of the disease HHT and how it impacts the ENT patient  
• Describe new surgical techniques for control of HHT related epistaxis  
• Discuss medical therapies for control of HHT related epistaxis

11:20 a.m.  
**Keynote Address (via remote broadcast)**  
**Fungi in the Pathophysiology of Chronic Rhinosinusitis (SRS): Fact or Fiction?**  
Amber Luong, M.D., Ph.D.  
**Objectives:**  
• Describe the role of fungi in the pathophysiology of CRS with nasal polyps  
• Outline the pathophysiology of CRS  
• Explain how to maximize frontal sinus outcomes with personalized surgical and medical management
11:40 a.m.  Panel Discussion  
Super Pearls: The Single Most Important Thing to Know to Treat Chronic Sinusitis  
Moderator: Greg E. Davis, M.D.  
Panelists: All Rhinology Faculty  
Objectives:  
• Describe how to medically and surgically approach the most challenging rhinology cases  
• Review and discuss alternative treatments for challenging rhinology diseases

12 p.m.  Lunch & ENT Exploratorium with Exhibitors (not for CME credit)

Otology Course Begins

12:45 p.m.  Applied Temporal Bone Anatomy for the General Otolaryngologist  
Miklos Toth, M.D., Ph.D.  
Objectives:  
• Describe temporal bone anatomy relevant to symptomatic superior semicircular canal dehiscence  
• Summarize the natural pathways for cholesteatoma spread through the middle ear and mastoid  
• Describe the basic temporal bone anatomy with correlations to CT and MRI imaging

1:25 p.m.  Applied Anatomy of the Middle Ear and Temporal Bone as Seen Through an Otological Endoscope  
Brandon Isaacson, M.D.  
• Outline the advantages and disadvantages of endoscopic ear surgery  
• Identify the indications and contraindications for endoscopic ear surgery  
• Describe middle ear and temporal bone anatomy as seen through the endoscope

2:05 p.m.  Treatment Options in Single-Sided Deafness (SSD)  
Seilesh Babu, M.D.  
Objectives:  
• Determine appropriate candidates to treat SSD  
• Identify candidates for contralateral routing of signal (CROS) vs. BAHA  
• Outline advantages and disadvantages of each option above

2:45 pm  Managing Patients with Neurofibromatosis: The Center of Excellence Concept at Swedish Medical Center  
John Henson, M.D.  
Objectives:  
• Explain the different syndromes included in neurofibromatosis  
• Summarize the indications for genetic testing in family members of patients with neurofibromatosis  
• Outline the opportunities for patients at the Neurofibromatosis Center at Swedish

3:15 p.m.  Break & Exhibits

3:45 p.m.  How to Approach Middle Ear & Mastoid Cholesteatoma: To Stage or Not to Stage  
Martin Durisin, M.D.  
Objectives:  
• Describe an efficient workup of patients with suspected cholesteatoma  
• Determine when a patient should be staged for ossiculoplasty  
• Outline the indications for CT vs MRI for cholesteatoma follow-up
4:25 p.m. **Panel Discussion 1: Challenging Otology Cases**
*Moderator: Douglas D. Backous, M.D.*
*Panelists: Brandon Isaacson, M.D., Martin Durisin, M.D., Miklos Toth, M.D., Ph.D., Seilesh Babu, M.D.*

**Objectives:**
- Develop a step-wise approach for surgical management of chronic ear disease
- Summarize the role for intratympanic therapies in hearing loss and vertigo
- Discuss how to manage common otological problems in the ENT office setting

5 p.m. **Panel Discussion 2: Potions, Lotions, and Powders: Hometown Remedies for Nagging Otological Problems**
*Moderator: Douglas D. Backous, M.D.*
*Panelists: Brandon Isaacson, M.D., Martin Durisin, M.D., Miklos Toth, M.D., Ph.D., Seilesh Babu, M.D., Clifford R. Hume, M.D., Ph.D.*

**Objectives:**
- Discuss effective ways to manage chronic otitis externa
- Outline the use of otological powders in managing draining ears
- Articulate the role of allergy testing in difficult cases of otitis media

5:30 p.m. **Happy Hour at Seattle Science Foundation** (*unaccredited*)

**Inspire System Surgical Prosection Demonstration** (*unaccredited*)
Jon T. Parker, M.D.

6:15pm **Adjourn**

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**Saturday, March 14**

**Otology Lab**

7:30 a.m. **Breakfast & Exhibits and change into scrubs**

8 a.m. **Temporal Bone Drilling Lab 1**
*All Otology Faculty*
1. Orientation to Drill Technology and the Choice of Drill Bits
2. Endaural vs. Postauricular Incisions
3. Ear Canal Incisions
4. External Auditory Canaloplasty
5. Approaches to the Middle Ear
6. Middle Ear and Mastoid Endoscopy
7. Osseointegrated implants

**Objectives:**
- Implement a step-wise approach to middle ear reconstruction
- Recognize the appropriate prosthesis for middle ear reconstruction
- Practice hands-on techniques with the surgical ear endoscope
- Practice inserting any of the commercially available osseointegrated hearing devices

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

10:45 a.m. **Temporal Bone Drilling Lab 2**
*All Otology Faculty*
1. Stapedotomy/Stapedectomy Techniques
2. Ossiculoplasty Techniques
3. Cartilage Harvesting and Cartilage Tympanoplasty
4. Complete Mastoidectomy
5. Facial Recess/posterior tympanotomy
6. Endoscopic techniques in the mastoid and aditus ad antrum
Objectives:
• Implement a step-wise approach to middle ear reconstruction
• Recognize the appropriate prosthesis for middle ear reconstruction
• Articulate the role of facial nerve monitoring in mastoid surgery

12 p.m.  Lunch & Exhibits

12:30 p.m.  Panel Discussion: Challenging Otology Cases
Moderator: Brandon Isaacson, M.D.
Panelists: Martin Durisin, M.D., Miklos Toth, M.D., Ph.D., Seilesh Babu, M.D., Clifford R. Hume, M.D., Ph.D., Douglas D. Backous, M.D., Michael J. Olds, M.D.
Objectives:
• Outline difficult, chronic ear, cholesteatoma and vestibular cases
• Describe when middle ear endoscopy provides superior visibility when compared to traditional binocular microscopy

1:30 p.m.  Temporal Bone Drilling Lab 3
All Otology Faculty
1. Continuation of Drilling Lab 2
2. Cochlear Implant Techniques (Cochleostomy vs. Round Window Insertion)
3. Retrofacial Air Cell Drill-Out
4. Endolymphatic Sac Decompression
5. Trans-Mastoid Labyrinthectomy

Objectives:
• Identify the anatomy of the cochlear relevant to cochlear implantation
• Recognize the key anatomic danger areas in labyrinthectomy
• Practice a canal wall down mastoidectomy in the laboratory
• Summarize the proximity of dura and intracranial vascular and nerve structures in the middle ear and mastoid

3:30 p.m.  Break & Exhibits

3:45 p.m.  Temporal Bone Drilling Lab 4
All Otology Faculty
1. Opening the Internal Auditory Canal
2. External Auditory Canal Wall Removal and Modified Radical Mastoidectomy
3. Posterior and Superior Semicircular Canal Plugging
4. Decompression of the Facial Nerve from the Stylomastoid Foramen to the Internal Auditory Canal
5. External Meatoplasty
6. Begin our second bone and we will proctor you through whatever techniques you would like to practice

Objectives:
• Practice plugging a superior semicircular canal through a trans-mastoid route
• Outline the nuances of creating a lasting meatoplasty
• Identify the anatomy for the full course of the facial nerve

5:30 p.m.  Course Wrap-up
Douglas D. Backous, M.D.

6 p.m.  Adjourn
COURSE FACULTY

OTOLOGY FACULTY

Douglas D. Backous, M.D., FACS
Course Director
Otology, Neurotology & Skull Base Surgery
Puget Sound ENT
Proliance Surgeons
Edmonds, Washington

GUEST FACULTY

Priv.-Doz. Dr. med Martin Durisin
Deputy Director of ENT Clinic
Medical School Hannover
Hannover, Germany

Miklos Toth, M.D., Ph.D.
Chair of ENT Department
Pest Megyei Flőr Ferenc Kórház
Budapest, Hungary

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Otolaryngology and Neurosurgery
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Seilesh Babu, M.D.
Associate Professor, Wayne State University
Program Director, Ascension Macomb ENT Residency
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John Henson, M.D.
Neuro-oncologist
Ivy Center for Advanced Brain Tumor Treatment
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Chad Ruffin, M.D.
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RHINOLOGY FACULTY

Greg E. Davis, M.D., M.P.H.
Course Co-Chair
Clinical Associate Professor, University of Washington
Rhinology & Endoscopic Skull Base Surgery
Proliance Surgeons, ENT & Allergy Associates
Seattle, Washington

GUEST FACULTY

Alexander Chiu, M.D. (*via live broadcast*)
Russell E. Bridwell, M.D. Chairman and Professor
Department of Otolaryngology - HNS
University of Kansas Medical Center
Kansas City, Kansas

Amber Luong, M.D, Ph.D., FACS (*via live broadcast*)
Associate Professor, Otorhinolaryngology
McGovern Medical School at the
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