

2016
ADVANCE PROGRAM

NORTH AMERICAN SKULL BASE SOCIETY

26th ANNUAL MEETING



“Innovation & Creativity in Skull Base Surgery”

February 12-14, 2016, Fairmont Scottsdale Princess, Scottsdale, Arizona

Pre-Meeting Course: February 10-11, 2016, Mayo Clinic, Scottsdale, Arizona



EARLY
REGISTRATION
DEADLINE
**MONDAY,
DECEMBER 28,
2015**

PRESIDENT: Carl Snyderman, MD, MBA

PROGRAM CHAIR: James K. Liu, MD and Allan D. Vescan, MD, FSRC

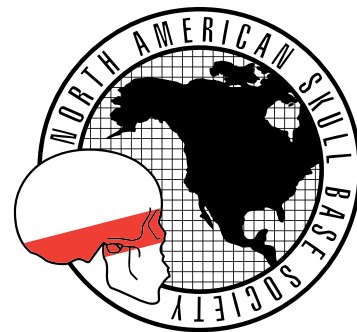
SCIENTIFIC PROGRAM COMMITTEE: Carl Snyderman, MD, MBA, President; Jacques Morcos, MD, FRCS, President Elect; Ian Witterick, MD, MSc, FSRC, Vice President; James Evans, MD, Secretary; Ricardo Carrau, MD, Treasurer; James K. Liu, MD, Program Co-Chair; Allan D. Vescan, MD, FSRC, Program Co-Chair; Mustafa Baskaya, MD; Robert Cueva, MD; Jean Anderson Eloy, MD; Rick Friedman, MD, PhD; Paul A. Gardner, MD; Peter Gooderham, MD; Arif Janjua, MD; Marc S. Schwartz, MD; S. Tonya Stefko, MD; Eric W. Wang, MD; A. Samy Youssef, MD, PhD; Gelareh Zadeh, MD, PhD; and Adam Zanation, MD

PRE-MEETING COURSE CHAIRS: Bernard Bendok, MD and Devyani Lal, MD

Message from the President

Dear Colleagues:

The **26th Annual Meeting of the North American Skull Base Society** is rapidly approaching. This year's meeting will be held **February 12-14, 2016** in **Scottsdale, Arizona** at the luxurious Fairmont Princess Resort. Scottsdale is always a welcomed venue during the cold winter months and offers many recreational and sightseeing opportunities over the extended holiday weekend.



The pre-meeting practical course is organized by Devyani Lal and Bernard Bendok from the Mayo Clinic in Scottsdale and will be held at the nearby Mayo Clinic Building and state-of-the-art Center for Procedural Innovation. This year's course has something for everyone and will offer two tracks for participation (prosection/dissection and prosection/surgical simulation). The prosection/dissection track will address the optimal surgical approach and will contrast transcranial and endoscopic approaches. For the first time, there will be myriad opportunities to gain hands-on experience with surgical tools and products using surgical simulation exercises in the prosection/surgical simulation track. Additionally, the lectures and prosections will be offered as a webcast to an international audience.

The theme of this year's meeting is, "Innovation & Creativity in Skull Base Surgery." Surgical innovation is driven by technological advancement and the creativity of the surgeon. The Program Committee, chaired by James Liu (Rutgers) and Allan Vescan (University of Toronto) has worked hard to develop a program that offers innovative content in an innovative format. The program will include Master Surgeon classes highlighting the surgical techniques of master surgeons, expert panel sessions integrated with proffered papers, fast-paced PechaKucha sessions, Brainstorming sessions, Video Coaching, and other surprises. We anticipate a very competitive field for the best manuscript by a fellow, resident or medical student. The top three winners will be presented at a plenary session.

In keeping with the theme of this year's meeting, we have three innovative and exciting keynote speakers that demonstrate the importance of creative thinking in addressing different types of challenges: solving social problems (Bill Strickland; CEO, social architect, community leader, visionary; author of *Make the Impossible Possible*), the conquest of extreme environments (Alison Levine; completed Adventure Grand Slam; author of *On The Edge: The Art of High-Impact Leadership*), and the future of robotic technology (Eric Meyhofer, leader of Uber's *Advanced Technologies Center*). Each speaker will provide a unique perspective on the importance of teamwork and problem-solving in challenging situations.

We are honored to have faculty delegations from the European Skull Base Society (President: Robert Behr from Germany) and the World Federation of Skull Base Societies (President: Kenji Ohata from Japan) participating in the program. There will also be joint sessions with the American Rhinologic Society (President: Peter Hwang).

Working behind the scenes, the NASBS committees and several task forces are addressing research priorities, billing and coding questions, and working hard to increase value for NASBS members. The Membership Committee (chaired by James Evans) continues to add new members to our ranks and maintain the diversity of our membership. The Coding & Billing Task Force (led by Adam Folbe) is working in conjunction with Zupko & Associates to develop NASBS guidelines for proper billing and coding of endoscopic procedures. The History Committee will utilize the Annual Meeting to capture an oral history of skull base surgery from early pioneers and past presidents of the society.

In recognition of the global community of skull base surgery, we will start the Annual Meeting with a social event for international attendees on Thursday evening. The Welcome Reception for all attendees will be on Friday evening with a special reception held on Saturday for all new members. The social event on Saturday evening will highlight the local culture of the southwest so bring your cowboy (or cowgirl) attire. After the meeting, we encourage you to take some extra time to explore the area around Scottsdale, play golf or just relax poolside. And don't forget your sweethearts on Valentine's Day!

Carl Snyderman, MD, MBA
President, North American Skull Base Society



General Information

REGISTRATION HOURS

Thursday, February 11, 2016	2:00 pm – 7:00 pm
Friday, February 12, 2016	6:00 am – 7:30 pm
Saturday, February 13, 2016	6:00 am – 7:00 pm
Sunday, February 14, 2016	6:00 am – 12:15 pm

EXHIBIT HALL/POSTER HOURS

Friday, February 12, 2016

9:00 am – 3:30 pm	Hall Open
6:00 pm – 7:30 pm	Hall Open
9:30 am – 10:00 am	Break in Exhibit Hall
12:00 pm – 1:00 pm	Business Lunch for Members only
12:00 pm – 1:00 pm	Lunch for Non-Members in Exhibit Hall
3:00 pm – 3:30 pm	Refreshment Break in Exhibit Hall
6:00 pm – 7:30 pm	Welcome Reception in Exhibit Hall

Saturday, February 13, 2016

9:00 am – 3:30 pm	Hall Open
9:30 am – 10:00 am	Refreshment Break in Exhibit Hall
12:00 pm – 1:00 pm	Lunch/Poster Viewing
3:00 pm – 3:30 pm	Refreshment Break in Exhibit Hall

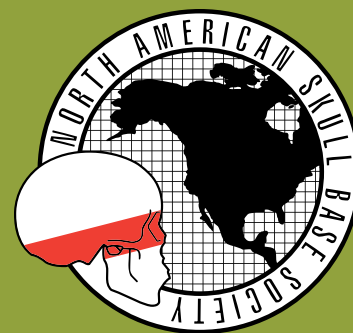
Sunday, February 14, 2016

8:00 am – 11:00 am	Hall Open
10:00 am – 10:30 am	Refreshment Break in Exhibit Hall

Times are subject to change.

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CONTACT

North American Skull Base Society
11300 W. Olympic Blvd., Suite 600
Los Angeles, California 90064

PHONE: 310-424-3326

FAX: 310-437-0585

www.nasbs.org

HOTEL CONTACT

Fairmont Scottsdale Princess

7575 East Princess Drive
Scottsdale, Arizona 85255

RESERVATIONS: 1-800-344-4758
and mention "North American Skull
Base Society" or click on [https://
resweb.passkey.com/go/nasbs2016](https://resweb.passkey.com/go/nasbs2016)

General/CME Information

ANNUAL MEETING OBJECTIVES

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

- Understand and explain most recent recommendations for management of skull base pathology.
- Describe recent advances in instrumentation and technology in skull base surgery.
- Gain knowledge in challenging skull base pathology from experienced leaders in the field.
- Collaborate in multidisciplinary working groups to identify state-of-the-art management for select skull base pathology.
- Gain knowledge on optimal surgical technique through video analysis and expert critique of intraoperative videos.
- Establish concise statements on management of complex skull base pathology through review of existing medical literature.

WHO SHOULD ATTEND

The NASBS meeting is open to NASBS members and non-members.

TARGET AUDIENCE

- Otolaryngologists, head and neck surgeons, neurosurgeons, reconstructive surgeons, radiation oncologists, radiologists, medical oncologists, physical rehabilitation physicians, ophthalmologists, neurologists, maxillofacial surgeons, maxillofacial prosthodontists and endocrinologists.
- Targeted allied health professionals include physical therapists, oncology nurses, oral health specialists, occupational therapists, speech and language pathologists, optometrists and psychologists.

CREDIT STATEMENT

CME Credit will be provided for this activity.

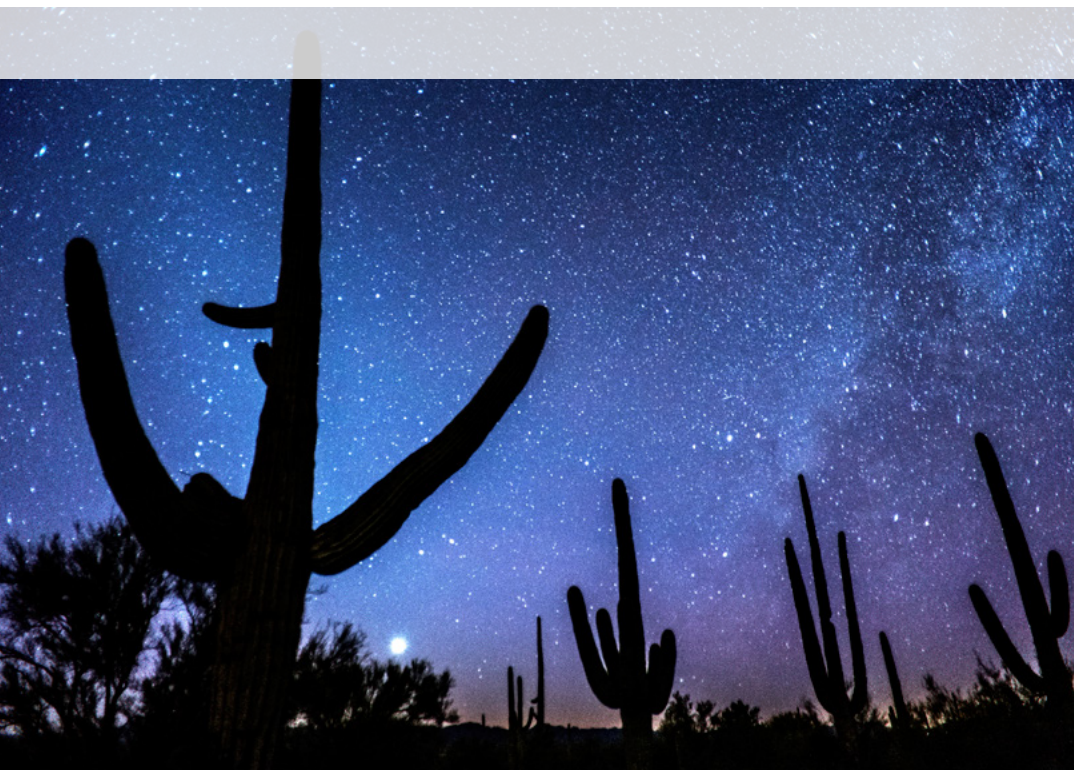
WHY JOIN NASBS?

Membership is based on an interest in skull base surgery and related sciences. Individuals with backgrounds in neurosurgery, otolaryngology-head and neck surgery, neuroradiology, otology, neurotology, plastic and reconstructive surgery, and others interested in skull base diseases are welcome to apply.

MEMBERSHIP BENEFITS

- **Scientific Journal:** Members will receive the official journal of the society, *The Journal of Neurological Surgery Part B*, a bimonthly publication that contains peer reviewed original articles, review articles, and position papers. It also presents news and information on an international scope to keep members aware of recent and upcoming events, activities, and evolving developments in skull base surgery.
- **Continuing Medical Education:** Members will receive listings of continuing medical education opportunities in skull base surgery, as well as scientific courses sponsored by the NASBS and will receive reduced registration fees for national scientific meetings.
- **Membership Directory:** Online access to all members contact information.
- **NASBS Website Access:** Members will have access to Member-Only discussion areas on the Society's website.

Please visit www.nasbs.org/membership for more information or email membership@nasbs.org.



Meeting Leadership

NASBS SCIENTIFIC PROGRAM COMMITTEE

Carl Snyderman, MD, MBA, President
James K. Liu, MD, Scientific Program Co-Chair
Allan D. Vescan, MD, FSRC, Scientific Program Co-Chair
Bernard Bendok, MD, Pre-Meeting Course Co-Chair
Devyani Lal, MD, Pre-Meeting Course Co-Chair
Mustafa Baskaya, MD
Robert Cueva, MD
Jean Anderson Eloy, MD
Rick Friedman, MD, PhD
Paul A. Gardner, MD
Peter Gooderham, MD
Arif Janjua, MD
Marc S. Schwartz, MD
S. Tonya Stefko, MD
Eric W. Wang, MD
A. Samy Youssef, MD, PhD
Gelareh Zadeh, MD, PhD
Adam Zanation, MD

MEETING LEADERSHIP

NASBS Executive Committee

Carl Snyderman, MD, MBA, President – Pittsburgh, PA
Jacques Morcos, MD, President Elect – Miami, FL
Ian Witterick, MD, MSc, FSRC, Vice President – Toronto, ON, Canada
James Evans, MD, Secretary – Philadelphia, PA
Ricardo Carrau, MD, Treasurer – Columbus, OH
Michael Link, MD, Immediate Past President – Rochester, MN
James K. Liu, MD, Scientific Program Co-Chair – Newark, NJ
Allan D. Vescan, MD, FSRC, Scientific Program Co-Chair – Toronto, ON, Canada

Directors at Large

Siviero Agazzi, MD, MBA
Michael Chicoine, MD
Carlos David, MD
Ivan El-Sayed, MD
Steven Frank, MD
Michael Kupferman, MD
Vikram Prabhu, MD
Thomas Roland, MD
Sandeep Samant, MD

Board of Advisors

Carl Heilman, MD
Ehab Hanna, MD
Dennis Kraus, MD
Peter Neligan, MD
Daniel Nuss, MD



REGISTRATION INFORMATION

WAYS TO REGISTER

1. Register online, www.cvent.com/d/drqbl3
2. Fax completed registration form to 310-437-0585, Attn: NASBS Registration
3. Mail completed registration form to NASBS Registration:
North American Skull Base Society
11300 W. Olympic Boulevard,
Suite 600
Los Angeles, CA 90064

REGISTER
ONLINE BEFORE
DEC. 28, 2015
AND RECEIVE THE
EARLY BIRD
DISCOUNT!

Payment in full must accompany registration form.
Advance registration is through January 24, 2016.
After January 25, 2016 attendees must register on-site.
Late registration (after December 28, 2015) and on-site registration will incur an additional charge of \$75.00.

SPECIAL SERVICES

The North American Skull Base Society wishes to ensure that no individual with a disability is excluded, denied services, segregated, or otherwise treated differently because of the absence of auxiliary aids and services. If you require auxiliary aids or services, please indicate your needs on the registration form enclosed in this program.

Please direct all questions concerning registration to the Meeting Registrar at **310-424-3326, ext. 128** or registration@nasbs.org.

Pre-Meeting Course

CME Credit will be provided for this activity.

Open and Endoscopic Skull Base Surgery

February 10-11, 2016 • Mayo Clinic, Scottsdale, Arizona

Mayo Clinic Building on the Shea Campus & Collaborative Research Building, Scottsdale, AZ

COURSE DIRECTORS: Devyani Lal, MD & Bernard Bendok, MD, Mayo Clinic, Scottsdale, AZ

The pre-meeting dissection workshop of the 26th Annual NASBS Meeting offers participants with choices between hands-on cadaver dissection sessions, lecture sessions with hands-on exercises and web-based learning. Modules will take participants through open and endoscopic exercises to the central, lateral and posterior skull base.

Additional fees apply. See registration page for pricing.

Featuring Parallel Tracks:

TRACK 1: Two-Day Hands-On Anatomical Dissection with Lectures

This is a two-day course taking place February 10-11. Breakfast and Lunch Included.

This track features anatomical hands-on dissections emphasizing open and endoscopic skull base surgery. Attendees will also attend all lectures and prosections on open and endoscopic skull base surgery as well as Case Studies and Tumor Board presentations.

TRACK 2: Two-Day Surgical Simulation Exercises with Lectures

This is a two-day course taking place February 10-11. Breakfast and Lunch Included.

This track features hands-on surgical simulation exercises emphasizing open and endoscopic skull base techniques on Set-up and New Technology, Bone and Soft Tissue Dissection, Skull Base Reconstruction, Microvascular and Neural Repair, and Internal Carotid Artery Injury. Attendees will also attend all lectures and prosections on open and endoscopic skull base surgery as well as Case Studies and Tumor Board presentations.

OR

WEBINAR Live International Webinar

Can't attend one of the Pre-Meeting Courses in person? Choose from a one- or two-day live broadcast taking place February 10-11.

Viewers will have the opportunity to watch lectures and prosections on open and endoscopic skull base surgery as well as Case Studies and Tumor Board presentations.

Sessions included in this track are noted in the following schedule with the **WEBINAR icon.**

MORE ►



Pre-Meeting Course

COURSE SCHEDULE

Topics and faculty subject to change

WEDNESDAY, FEBRUARY 10, 2016

7:00 am – 7:45 am **Registration & Breakfast**
7:45 am – 8:00 am **Course Overview** – *Devyani Lal, MD*

MODULE 1: Sellar/Parasellar/Suprasellar Approaches

8:00 am – 8:30 am **3D Anatomy** – *Jeffrey Sorenson, MD*

8:30 am – 9:30 am **Prosections** 

8:30 am: Endoscopic Endonasal Sellar-Suprasellar Approach – *Bernard Bendok, MD & Peter Hwang, MD*


9:00 am: Transcranial Suprasellar Approach – *Vikram Prabhu, MD & Christopher Rassekh, MD*

9:30 am – 10:00 am **Break** (Track 1 Group to Walk to Lab)

10:00 am – 12:00 pm

TRACK 1: Anatomical Dissection at Lab

TRACK 2: Lectures & Hands-On Exercises 1 Setup and Technology Skull Base Surgery

10:00 am: Lecture 
Setting-Up a Skull Base Program: Practical Tips – *Ameet Singh, MD*

10:30 am: Lecture 
Technology in Skull Base Surgery: Pitfalls & Optimization – *Carlos Ebert, MD*

11:00 am: Hands-On Exercises

12:15 pm – 1:15 pm **Lunch with Case Presentations** 

MODERATORS: *Devyani Lal, MD & James Liu, MD*

SPEAKERS: *Siviero Agazzi, MD, MBA; Lori Lemmonier, MD; Thomas Nagal, MD; Carl Snyderman, MD, MBA*

MODULE 2: Anterior Cranial Base

1:15 pm – 1:45 pm **3D Anatomy** – *Jeffrey Sorenson, MD*

1:45 pm – 2:45 pm **Prosections** 

1:45 pm: Anterior Cranial Base Resection: Subfrontal Approach with Pericranial Flap – *Jean Anderson Eloy, MD & James Liu, MD*


2:15 pm: Endoscopic Anterior Cranial Base Resection with Nasoseptal Flap – *Devyani Lal, MD & Naresh Patel, MD*


2:45 pm – 3:00 pm **Break** (Track 1 Group to Walk to Lab)

3:00 pm – 5:00 pm

TRACK 1: Anatomical Dissection at Lab

TRACK 2: Lectures & Hands-On Exercises 2 New Technologies in Bone & Soft Tissue Dissection

3:00 pm: Lecture 
Micro-Dissection Techniques: Tips and Pearls – *Bernard Bendok, MD*

3:30 pm: Lecture 
Powered Instrumentation in Skull Base Surgery – *Zara Patel, MD*

4:00 pm: Hands-On Exercises

5:00 pm – 5:30 pm **Course Review** – *Devyani Lal, MD*

5:30 pm **Wine & Cheese Reception**

MORE ►

Pre-Meeting Course

THURSDAY, FEBRUARY 11, 2016

Topics and faculty subject to change

7:00 am – 8:00 am **Registration & Breakfast**

MODULE 3: Middle Cranial Fossa, Infratemporal Skull Base

8:00 am – 8:30 am **3D Anatomy** – *Jeffrey Sorenson, MD*

8:30 am – 9:30 am **Prosections**

 **WEBINAR**

8:30 am: Endoscopic Endonasal Transpterygoid/Transmaxillary Approach to the Middle Cranial Fossa – *Paul Gardner, MD & Carl Snyderman, MD, MBA*

9:00 am: Lateral Subtemporal Approach to the Middle Cranial Fossa – *Amol Bhatki, MD & James Chandler, MD*

9:30 am – 10:00 am **Break** (Track 1 Group to Walk to Lab)

10:00 am – 12:00 pm

TRACK 1: Anatomical Dissection at Lab

TRACK 2: Lectures & Hands-on Exercises 3 Skull Base Defect Reconstruction

10:00 am: Lecture
Reconstructive Considerations in Skull Base Surgery – *Dan Fliss, MD*

 **WEBINAR**

10:30 am: Lecture
Tools and Techniques in Anterior Skull Base Reconstruction – *Ben Bleier, MD*

 **WEBINAR**

11:00 am: Hands-On Exercises

12:15 pm – 1:15 pm

Lunch with Tumor Board Conference

MODERATORS: Joseph Hoxworth, MD & Devyani Lal, MD

SPEAKERS: Siviero Agazzi, MD, MBA; Paul Gardner, MD; Erin O'Brien, MD; Mark Wiet, MD

MODULE 4: Transclival Approaches

1:15 pm – 1:45 pm **3D Anatomy** – *Jeffrey Sorenson, MD*

1:45 pm – 2:45 pm **Prosections**

 **WEBINAR**

1:45 pm: Transpetrosal/Far Lateral Approach to the Clivus – *Sam Marzo, MD & Raj Shrivastava, MD*

2:15 pm: Endoscopic Endonasal Transclival Approach – *Amir Dehdashti, MD & Adam Zanation, MD*

2:45 pm – 3:00 pm **Break** (Track 1 Group to Walk to Lab)

3:00 pm – 5:00 pm

TRACK 1: Anatomical Dissection at Lab

TRACK 2: Lectures & Hands-On Exercises 4 Handling Complications in Skull Base Surgery

3:00 pm: Lecture
Complications in Skull Base Surgery – *Adam Folbe, MD*

 **WEBINAR**

3:30 pm: Lecture
Handling Internal Carotid Artery Injury – *Paul Gardner, MD*

 **WEBINAR**

4:00 pm: Hands-On Exercises

5:00 pm – 5:30 pm **Course Review** – *Devyani Lal, MD*

5:30 pm **Adjournment**

Schedule-at-a-Glance

Schedule subject to change

FRIDAY, FEBRUARY 12, 2016

6:45 am – 7:00 am **Continental Breakfast**

7:00 am – 7:45 am **MASTER SURGEON SESSIONS**

Master Surgeon 1: Approaches to the Cavernous Sinus

MODERATOR: Juan Fernandez-Miranda, MD

SPEAKERS: William Couldwell, MD, PhD; Ali Krisht, MD; Harry van Loveren, MD

Master Surgeon 2: Jugular Foramen Tumors and Paragangliomas

MODERATOR: Michael Gleeson, MD

SPEAKERS: James Netteville, MD; Rupert Obholzer, MD; Jon Robertson, MD

Master Surgeon 3: Skull Base Meningiomas

MODERATOR: Michael McDermott, MD

SPEAKERS: Gerardo Guinto, MD & Chandranath Sen, MD

Master Surgeon 4: Endoscopic Skull Base Surgery – Beyond the Pituitary and Extended Approaches

MODERATOR: Adam Zanation, MD

SPEAKERS: Vijay Anand, MD; Paul Gardner, MD; Daniel Prevedello, MD

8:00 am – 8:30 am **Introductions and Meeting Overview**

Carl Snyderman, MD, MBA

8:30 am – 9:30 am **Keynote Lecture**

Bill Strickland

9:30 am – 10:00 am **Refreshment Break in Exhibit Hall**

10:00 am – 11:00 am **Proffered Paper Sessions 1-4**

11:00 am – 12:00 pm **PANEL DISCUSSIONS**

Panel Discussion 1: Controversies in the Management of Sinonasal Malignancy

MODERATOR: Eric Wang, MD

SPEAKERS: Roy Casiano, MD; Ziv Gil, MD, PhD; James Palmer, MD

Panel Discussion 2: Treatment Options for Chordomas

MODERATOR: Zachary Litvack, MD

SPEAKERS: Sebastien Froelich, MD; Norbert Liebsch, MD; Lalgam Sekhar, MD

Panel Discussion 3: Optimal Treatment of Acoustic Neuroma

MODERATOR: Sam Marzo, MD

SPEAKERS: James Boggan, MD; Pamela Roehm, MD, PhD; Marc S. Schwartz, MD

Panel Discussion 4: Management of Vascular Issues in Skull Base Surgery

MODERATOR: Amir Dehdashti, MD

SPEAKERS: Mustafa Baskaya, MD; Hiroyuki Kinouchi, MD, PhD; Harry van Loveren, MD

12:00 pm – 1:00 pm **Lunch in Exhibit Hall for Non Members
Business Lunch for Members in Main Ballroom**

MORE ►

SCOTTSDALE INFORMATION

AIRPORT INFORMATION

The Fairmont Scottsdale Princess is a 30 minute drive from Phoenix Sky Harbor International Airport.

HOTEL INFORMATION

Fairmont Scottsdale Princess
7575 East Princess Drive
Scottsdale, Arizona 85255

How to Book a Hotel Reservation

Hotel Reservations can now be made for the NASBS 26th Annual Meeting at: <https://resweb.passkey.com/go/nasbs2016>

RESERVATIONS: 1-800-344-4758
Be sure to mention the “North American Skull Base Society” when making reservations to secure the group rate.

NASBS has secured the following group rates at the Fairmont Scottsdale Princess: **Standard Single/Double at \$289.00**

Be sure to make your reservation by January 11, 2016.

HOUSING
REGISTRATION
DEADLINE IS:
**JANUARY 11,
2016**

Schedule-at-a-Glance

Schedule subject to change

FRIDAY, FEBRUARY 12, 2016 *continued*

1:00 pm – 2:00 pm **PECHAKUCHA SESSIONS**

PechaKucha 1: Innovation in Education

MODERATORS: Jeffrey Sorenson, MD & Allan Vescan, MD, FSRC

PechaKucha 2: Operating Room of the Future

MODERATORS: Aaron Cohen-Gadol, MD & Raj Sindwani, MD

PechaKucha 3: Parapharyngeal Space Tumors

MODERATORS: Emiro Caicedo-Granados, MD & Guy Petruzzelli, MD, PhD, MBA

PechaKucha 4: Reconstruct This!

MODERATOR: Marc Rosen, MD

2:00 pm – 3:00 pm **PANEL DISCUSSIONS**

Panel Discussion 5: Debate – Endoscopic vs. Transcranial Approaches for Meningiomas

MODERATOR: James Evans, MD

SPEAKERS: Fred Gentili, MD, MSc & James Liu, MD

Panel Discussion 6: Tumor Board - Pediatric Skull Base Tumors

MODERATOR: Elizabeth Tyler-Kabara, MD, PhD

SPEAKERS: Jeffrey Rastatter, MD; Jay Storm, MD; Scott Wait, MD

Panel Discussion 7: Cranial Nerve Injury: Prevention and Management

MODERATOR: Michael Link, MD

SPEAKERS: Samuel Barnett, MD; Richard Hayden, MD, MSc; James Netterville, MD

Panel Discussion 8: Orbital Tumors and Approaches

MODERATOR: S. Tonya Stefko, MD

SPEAKERS: Khaled Aziz, MD; Ben Bleier, MD; Kris Moe, MD

3:00 pm – 3:30 pm **Refreshment Break in Exhibit Hall**

3:30 pm – 5:00 pm **Proffered Paper Sessions 5-8**

5:00 pm – 5:45 pm **Brainstorming Session 1 – Design of Collaborative Trials**

Coaching Session 1 – Sellar/Parasellar Tumors

Media Training for Skull Base Surgeons – Nancy Snyderman, MD

6:00 pm – 7:30 pm **Welcome Reception in Exhibit Hall**

7:45 pm – 10:00 pm **Past President's Dinner**
(Invitation Only)

SATURDAY, FEBRUARY 13, 2016

6:45 am – 7:00 am **Breakfast**

7:00 am – 7:45 am **MASTER SURGEON SESSIONS**

Master Surgeon 5: Nuances of Acoustic Tumor: Achieving Best Facial Nerve and Hearing Outcomes

MODERATOR: Siviero Agazzi, MD, MBA

SPEAKERS: Rick Friedman, MD, PhD; John Golfinos, MD; Michihiro Kohno, MD

Master Surgeon 6: Transfacial Surgery for Skull Base Cancers: What is the Current Role?

MODERATOR: Ehab Hanna, MD

SPEAKERS: Dan Fliss, MD; Patrick Gullane, CM, MB; Dennis Kraus, MD

Master Surgeon 7: Skull Base Surgery for Complex Intracranial Aneurysms

MODERATOR: Bernard Bendok, MD

SPEAKERS: Carlos David, MD; Jacques Morcos, MD; Anil Nanda, MD

Master Surgeon 8: Nuances of Endoscopic Pituitary Tumor Removal – Achieving Best Endocrinological, Oncological and Visual Outcomes

MODERATOR: Andrew Little, MD

SPEAKERS: Marvin Bergsneider, MD; John Jane, MD; Daniel Kelly, MD

8:00 am – 8:30 am **Best Papers & Posters Presentations**

8:30 am – 9:30 am **Keynote Lecture: On the Edge: The Art of High-Impact Leadership**
– Alison Levine

9:30 am – 10:00 am **Refreshment Break in Exhibit Hall**

10:00 am – 11:00 am **Proffered Paper Sessions 9-12**

11:00 am – 12:00 pm **PANEL DISCUSSIONS**

Panel Discussion 9: When GTR is Not the Goal

MODERATOR: Philip Theodosopoulos, MD

SPEAKERS: Fred Gentili, MD, MSc; Carl Heilman, MD; Jacques Morcos, MD

Panel Discussion 10: Sellar/Parasellar Tumors

MODERATOR: Amir Dehdashti, MD

SPEAKERS: Manish Aghi, MD, PhD; Norberto Andaluz, MD; Gelareh Zadeh, MD, PhD

Panel Discussion 11: Centers of Excellence: Is It Time?

MODERATOR: Ian Witterick, MD, MSc, FSRC

SPEAKERS: Daniel Kelly, MD; Anil Nanda, MD; Daniel Nuss, MD

Panel Discussion 12: Intracranial Hypertension

MODERATOR: Bradford Woodworth, MD

SPEAKERS: Naresh Patel, MD; Yu Lan Mary Ying, MD; Jenny Yu, MD

MORE ►

Schedule-at-a-Glance

Schedule subject to change

SATURDAY, FEBRUARY 13, 2016 *continued*

12:00 pm – 1:00 pm **Lunch & Poster Viewing in Exhibit Hall**

1:00 pm – 2:00 pm **PECHAKUCHA SESSIONS**

PechaKucha 5: Quality Improvement Conference

MODERATORS: Neil Martin, MD & Erin McKean, MD

PechaKucha 6: Challenges in Skull Base Surgery

MODERATORS: Robert Behr, MD & Francois Lavigne, MD

PechaKucha 7: Hemostasis: Strategies & Techniques

MODERATORS: Madison Michael, MD & Peter Hwang, MD

PechaKucha 8: I Wish I Hadn't Done That! Complications & Bad Outcomes

MODERATORS: Gerald Lemole Jr, MD & Daniel Nuss, MD

2:00 pm – 3:00 pm **PANEL DISCUSSIONS**

Panel Discussion 13: Complications of Radiation Therapy

MODERATOR: Peter Gooderham, MD

SPEAKERS: Sameer Keole, MD; Michael McDermott, MD; Vikram Prabhu, MD

Panel Discussion 14: Tumor Board: Temporal Bone

MODERATOR: Tom Roland, MD

SPEAKERS: Mario Ammirati, MD; Giovanni Danesi, MD; John Leonetti, MD

Panel Discussion 15: Controversies in the Management of Carniopharyngioma

MODERATOR: Maria Koutourousiou, MD

SPEAKERS: Fred Barker, MD; Fred Boop, MD; Kenji Ohata, MD

Panel Discussion 16: Controversies in Petroclival Tumors

MODERATOR: Bharat Guthikonda, MD

SPEAKERS: Eiji Kohmura, MD, PhD; Diego Mendez-Rosito, MD; A. Samy Youssef, MD

3:00 pm – 3:30 pm **Refreshment Break in Exhibit Hall**

3:30 pm – 5:00 pm **Proffered Paper Sessions 13-16**

5:00 pm – 5:45 pm **Brainstorming Session 2 – *Choosing the Right Metrics (Metrics for Assessing Value in Skull Base Surgery)***

Coaching Session 2 – *Posterior Fossa Tumors (Acoustic Neuroma, MD, Cerebellopontine Angle, MD, Petroclival)*

6:00 pm – 7:00 pm **New Member Reception with Leadership**

7:00 pm – 9:30 pm **NASBS Western at Copper Canyon**

SUNDAY, FEBRUARY 14, 2016

6:45 am – 7:00 am **Continental Breakfast**

7:00 am – 7:45 am **Committee Meetings**

7:45 am – 8:00 am **Transition Break**

8:00 am – 9:00 am **Proffered Paper Sessions 17-20**

9:00 am – 10:00 am **PANEL DISCUSSIONS**

Panel Discussion 17: Systematic Review of Sinonasal Malignancy/Best Treatment/Pre-Operative Chemo/Radiation

MODERATOR: Jean Anderson Eloy, MD

SPEAKERS: Ricardo Carrau, MD; Peter Hwang, MD; Derrick Lin, MD

Panel Discussion 18: Tumor Board: Clival Neoplasms

MODERATOR: Paul Gardner, MD

SPEAKERS: Robert Behr, MD; Ivan El-Sayed, MD; TBD

Panel Discussion 19: Skull Base Economics

MODERATOR: Adam Folbe, MD

SPEAKERS: John Golfinos, MD; Kim Pollock; Carl Snyderman, MD

Panel Discussion 20: Controversies in the Management of Trigeminal Schwannomas

MODERATOR: Michael Chicoine, MD

SPEAKERS: Juan Barges-Coll, MD & Masahiro Toda, MD, PhD

10:00 am – 10:30 am **Refreshment Break in Exhibit Hall**

10:30 am – 11:15 am **Keynote Lecture: Robotics and Disruption – *Eric Meyhofer***

11:15 am – 12:15 pm **3D Video Techniques**

MODERATOR: Juan Fernandez-Miranda, MD

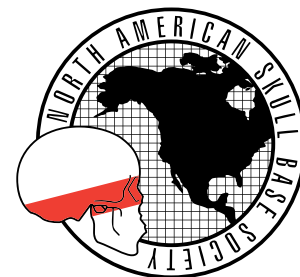
SPEAKERS: Mustafa Baskaya, MD; William Couldwell, MD, PhD; James Liu, MD

12:25 pm – 12:30 pm **Closing Remarks**

2016 Registration Form

26th North American Skull Base Society Annual Meeting

February 12-14, 2016
Fairmont Scottsdale Princess
Scottsdale, Arizona



REGISTRANT INFORMATION *Please fill in ALL information for your registration to be processed.*

PREFIX	FIRST NAME	MI	LAST NAME	DEGREE
EMAIL ADDRESS				
INSTITUTION		TITLE/DEPARTMENT		
ADDRESS				
CITY	STATE	POSTAL CODE	COUNTRY	
WORK PHONE		MOBILE PHONE		

SELECT YOUR SPECIALTY

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> Neurosurgeon | <input type="checkbox"/> Otolaryngology | <input type="checkbox"/> Rhinology | <input type="checkbox"/> Medical Oncology |
| <input type="checkbox"/> Head & Neck Surgeon | <input type="checkbox"/> Plastic Surgery | <input type="checkbox"/> Pathology | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Otology/Neurotology | <input type="checkbox"/> Ophthalmology | <input type="checkbox"/> Allied Health Pro | |
| <input type="checkbox"/> Maxillofacial Surgery | <input type="checkbox"/> Radiology | <input type="checkbox"/> Radiation Oncology | |

REGISTRATION FEES *Conference registration includes breakfast, lunch, breaks, Welcome Reception, and Social Event.*

- | | |
|---|-------|
| <input type="checkbox"/> Member | \$625 |
| <input type="checkbox"/> Non-Member | \$825 |
| <input type="checkbox"/> Medical Student | \$360 |
| <input type="checkbox"/> Resident | \$360 |
| <input type="checkbox"/> Fellow | \$360 |
| <input type="checkbox"/> Allied Health Professional | \$360 |
| <input type="checkbox"/> Late Fee , if registering after December 28, 2015 | \$75 |

SUBTOTAL \$ _____

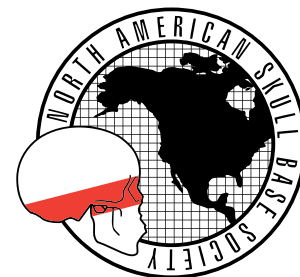
PRE-MEETING COURSE *See course schedule starting on page 6 of the Advance Program for further descriptions.*

- | | |
|---|---------|
| <input type="checkbox"/> Two-Day Hands-On Cadaver Dissection with Lectures – February 10-11, 2016 – Early Bird Rate
<i>If registering by December 28, 2015</i> | \$1,499 |
| <input type="checkbox"/> Two-Day Hands-On Cadaver Dissection with Lectures – February 10-11, 2016 – Regular Rate
<i>If registering after December 28, 2015</i> | \$1,799 |
| <input type="checkbox"/> Two-Day Surgical Simulation Exercises with Lectures – February 10-11, 2016 | \$750 |
| <input type="checkbox"/> Two-Day Live International Webcast – February 10-11, 2016 | \$150 |
| <input type="checkbox"/> One-Day Live International Webcast – February 10, 2016 | \$100 |

SUBTOTAL \$ _____

MORE ►

2016 Registration Form



RSVPs *Please check those events you will be attending.*

- I will attend the **NASBS Business Lunch** – February 12, 2016 (Members ONLY)
OR
- I will attend **Lunch in the Exhibit Hall** – February 12, 2016 (Non-Members)
- I will attend the **NASBS Welcome Reception** – February 12, 2016
- I will attend **Lunch in the Exhibit Hall** – February 13, 2016
- I will attend the **NASBS Western at Copper Canyon** – February 13, 2016

GUEST REGISTRATION

Guest registration is necessary for attendance at the Welcome Reception and the NASBS Western Social Event.

FIRST NAME _____

LAST NAME _____

EMAIL _____

- Guest Ticket for the NASBS Welcome Reception** – February 12, 2016 \$75
- Guest Ticket for the NASBS Western at Copper Canyon** – February 13, 2016 \$150

SUBTOTAL \$ _____

TOTAL DUE \$ _____

CANCELLATIONS & REFUNDS: A fee of \$75 will be assessed for all conference and pre-course cancellations as applicable through January 24, 2016. Cancellations will not be honored after January 25, 2016 and no refunds will be processed after this date.

PAYMENT INFORMATION

- Check:** Please make payable to North American Skull Base Society (NASBS)
- Credit Card:** Mastercard Visa AMEX

NUMBER: _____ CVC II CODE (last 3 digits on back of card): _____

EXP. DATE: _____ SIGNATURE: _____

MAIL OR FAX THIS FORM WITH PAYMENT TO:

Meeting Registrar: 11300 W. Olympic Blvd., Suite 600, Los Angeles, CA 90064

PHONE: 310-424-3326, ext. 128 | FAX: 310-437-0585 | EMAIL: registration@nasbs.org