

2020 ADVANCE PROGRAM



North American Skull Base Society

30th Annual Meeting

"Rapid Evolution in the Healthcare Ecosystem: Become Frontiers"

February 7-9, 2020

La Cantera Resort & Spa, San Antonio, TX

Pre-Meeting Dissection Course: **February 5-6, 2020**

PRESIDENT: Ricardo Carrau, MD, MBA

PROGRAM CHAIRS: Adam Zanation, MD & Daniel Prevedello, MD

PRE-MEETING COURSE CHAIRS: Paul Gardner, MD & Arturo Solares, MD

SCIENTIFIC PROGRAM COMMITTEE: Ricardo Carrau, MD, MBA, President, Adam Zanation, MD, MBA, Program Co-Chair, Daniel Prevedello, MD, Program Co-Chair, Paul Gardner, MD, Arturo Solares, MD, FACS, James Evans, MD, FACS, FAANS, Shaan Raza, MD, Brian Thorp, MD, Deanna Sasaki-Adams, MD, Chris Rassekh, MD, Christine Klatt-Cromwell, MD, Tonya Stefko, MD, Moises Arriaga, MD, Jamie Van Gompel, MD, Kibwei McKinney, MD, Derrick Lin, MD, FACS, Carlos Pinheiro-Neto, MD, PhD

Dear friends and colleagues,

Welcome to the **30th Annual Meeting of the North American Skull Base Society!**

This event will be held at La Cantera Resort in San Antonio, Texas; February 7-9, 2020 with a pre-meeting hands-on dissection course February 5-6, 2020. La Cantera is a beautiful resort, full of family-oriented amenities, located just 20 minutes from *San Antonio's downtown, The Alamo* historical site and the world renowned *Riverwalk*.



Ricardo Carrau, MD, MBA

The meeting theme, ***Rapid Evolution in the Healthcare Ecosystem: Becoming Frontiers***, will present the opportunity to discuss technological, technical, societal and economic changes affecting the way we deliver care to our patients and how our frontier horizon changes faster than our ability to adapt to these changes ("*becoming frontiers*"). This pace is accelerating; therefore, we soon will require the assistance of new technologies including machine and deep learning and, eventually, artificial intelligence.

I am extremely grateful for the work of the Program Committee that under the direction of our **Program Chairs**, Drs. Daniel M. Prevedello and Adam Zanation, have synthesized a superb curriculum that includes a pre-meeting hands-on course, keynote lectures, live dissections, 3D anatomical reviews, round tables and panels addressing and debating hot topics, video sessions offering technical pearls from recognized experts, and proffered paper sessions. In addition we will offer the opportunity to register for hands-on training for the endoscopic control of an internal carotid artery injury on a cadaveric model and the showcasing of superb preserved anatomical dissections of the skull base and brain. Furthermore, the program will include a *Skull Base Primer Course* and two special symposiums, *State-of-the-Art Diagnosis and Management of Acoustic Neurinomas* and of *The Orbit as a Surgical Corridor and Target*. The pre-congress **Hands-On Course** led by Drs. Paul Gardner and Arturo Solares, will offer a modified format with pre-recorded prosections, less lecture and more hands-on dissection time. I also want to recognize the stellar performance of our partners in the BSC Management team. Without their operational and organizational efforts, this meeting would not be possible.

My **Guests of Honor** include Dr. Ivo Janecka, who will deliver the keynote lecture, and Drs. Hugh Curtin, Amin Kassam, Dan Nuss and Laligam Sekhar, who will present their perspectives on the evolution of our healthcare ecosystem regarding economics, patient care, research and education. During the past 30 years, I have enjoyed their trailblazing contributions and teachings and I am elated that they accepted my invitation.

I thank the membership of the NASBS for the honor to serve as your President. I hope this meeting exceed your expectations.

A handwritten signature in black ink that reads "Ricardo Carrau, MD, MBA". The signature is stylized and cursive.

Ricardo Carrau, MD, MBA
NASBS President 2019 - 2020

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Contact

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Los Angeles, California 90064
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FAX: 310-437-0585
www.nasbs.org

Hotel Contact

La Cantera Resort & Spa
16641 La Cantera Pkwy
San Antonio, TX 78256
PHONE: 210-558-6500

NASBS is managed by BSC Management, Inc.

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Los Angeles, CA 90064
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www.bscmanage.com

General/CME Information

CME ACCREDITATION:

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint providership of PESI, Inc. and North American Skull Base Society. PESI, Inc. is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA Designation Statement

The PESI, Inc. designates this live educational activity for a maximum of **20.5 AMA PRA Category 1 Credit(s)TM**. Physicians should only claim credit commensurate with the extent of their participation in the activity.

International CME

International Physicians are formally eligible for AMA PRA Category 1 CreditTM.

Physician Assistants

AAPA accepts Category 1 credit from AOACCME, Prescribed credit from AAFP, and AMA PRA Category 1 CreditTM for the PRA from organizations accredited by ACCME.

Registered Dietitians

For the purpose of recertification the Commission on Dietetic Registration recognizes courses accredited with AMA PRA Category 1 CreditTM.

Nurses

For the purpose of recertification, the American Nurses Credentialing Center accepts AMA PRA Category 1 CreditTM issued by organizations accredited by the ACCME.

CA Nurses

Aspen CME Services is approved by the California Board of Registered Nursing, Provider number CEP14739, for 20.5 contact hours.

Pharmacists

For the purpose of recertification, the American Council of Pharmacy Education accepts AMA PRA Category 1 CreditTM issued by organizations accredited by the ACCME (Accreditation Council for Continuing Medical Education) for attendance at structured learning activities.

Satisfactory Completion for credits:

All attendees must have completed and turned in a course attendance/evaluation form prior to leaving the conference. Each session claimed for credit must be attended in it's entirety.

General Information

ANNUAL MEETING OBJECTIVES

Upon completion of this course, participants will 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 technical surgical management of complex skull base pathology through video analysis and expert critique of intraoperative video.
- Establish consensus statement 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.

DISCLOSURE INFORMATION

In compliance with the ACCME Accreditation Criteria, the PESI, Inc., as the accredited provider of this activity, must ensure that anyone in a position to control the content of the educational activity has disclosed all relevant financial relationships with any commercial interest. All reported conflicts are managed by a designated official to ensure a bias-free presentation. Please see the insert to this program for the complete disclosure list.

Meeting Leadership

NASBS Scientific Program Committee

Ricardo Carrau, MD, MBA, *President*
Adam Zanation, MD, MBA, *Program Co-Chair*
Daniel Prevedello, MD, *Program Co-Chair*
Paul Gardner, MD, *Pre-Course Co-Chair*
Arturo Solares, MD, FACS *Pre-Course Co-Chair*
James Evans, MD, FACS, FAANS *Immediate Past Pres*
Shaan Raza, MD, *Poster Chair*
Brian Thorp, MD, *Rhoton Room Co-Chair*
Deanna Sasaki-Adams, MD, *Rhoton Room Co-Chair*
Chris Rassekh, MD, *Surgical Education Committee Liaison*
Christine Klatt-Cromwell, MD, *Special Sessions Chair*
Tonya Stefko, MD, *Orbital Education Day Chair*
Moises Arriaga, MD, *Acoustic Neuroma Education Day Chair*
Jamie Van Gompel, MD, *Main Topic Chair*
Kibwei McKinney, MD, *Hot Topic Chair*
Derrick Lin, MD, FACS, *Expert Debate Chair*
Carlos Pinheiro-Neto, MD, PhD, *Video Session Chair*

NASBS Executive Committee

PRESIDENT: Ricardo Carrau, MD, MBA
PRESIDENT-ELECT: John Golfinos, MD
IMMEDIATE PAST PRESIDENT: Jim Evans, MD, FACS, FAANS
VICE PRESIDENT: Lee Zimmer, MD, PhD
SECRETARY: Siviero Agazzi, MD, MBA
TREASURER: Adam Zanation, MD, FACS

Directors at Large

Amir Dehdashti, MD
Jean Anderson Eloy, MD
Rick A. Friedman, MD, PhD
Derrick Lin, MD, FACS
James K. Liu, MD, FACS, FAANS
Erin L. McKean, MD
Kris Moe, MD
Daniel Prevedello, MD
Zoukaa Sargi, MD, MPH
Jeffrey Sorenson, MD
Shaan Raza, MD
Allan Vescan, MD

Board of Advisors

Ehab Hanna, MD
Michael Link, MD
Carl Snyderman, MD
Jacques Morcos, MD
Ian Witterick, MD

General Information

MEMBERSHIP BENEFITS

- Active members will receive the official journal of the society, The Journal of Neurological Surgery Part B, a 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. Affiliate, International and Candidate members may subscribe to the journal for \$100 annually.
- Discounted rates to attend the Annual Meeting
- Opportunities to network with colleagues and experts from across North America and globally
- Committees which provide opportunities for camaraderie, involvement and leadership development
- Online access to all members contact information.

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

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, radiology, neuroradiology, otology, neurotology, plastic and reconstructive surgery, and others interested in skull base diseases are welcome to apply.



Meeting Hours

REGISTRATION HOURS

Thursday, February 6, 2020	12:30 pm – 7:00 pm
Friday, February 7, 2020	6:00 am – 6:30 pm
Saturday, February 8, 2020	6:30 am – 6:00 pm
Sunday, February 9, 2020	7:00 am – 12:00 pm

EXHIBIT HALL/POSTER HOURS

Thursday, February 6, 2020	12:00 pm to 6:00 pm	Exhibit Hall Set Up
Friday, February 7, 2020	9:00 am to 4:30 pm	Exhibit Hall Open
	9:35 am to 10:05 am	Refreshment Break
	12:20 pm to 1:20 pm	Lunch for Non-Members
	3:30 pm to 4:00 pm	Refreshment Break
	4:30 pm to 6:00 pm	Exhibit Hall Closed
	6:00 pm to 7:30 pm	Welcome Reception
Saturday, February 8, 2020	9:00 am to 4:30 pm	Exhibit Hall Open
	9:35 am to 10:05 am	Refreshment Break
	12:20 pm to 1:20 pm	Lunch/Poster Viewing
	3:30 pm to 4:00 pm	Refreshment Break
	4:30 pm to 9:30 pm	Dismantle & Removal of Exhibits

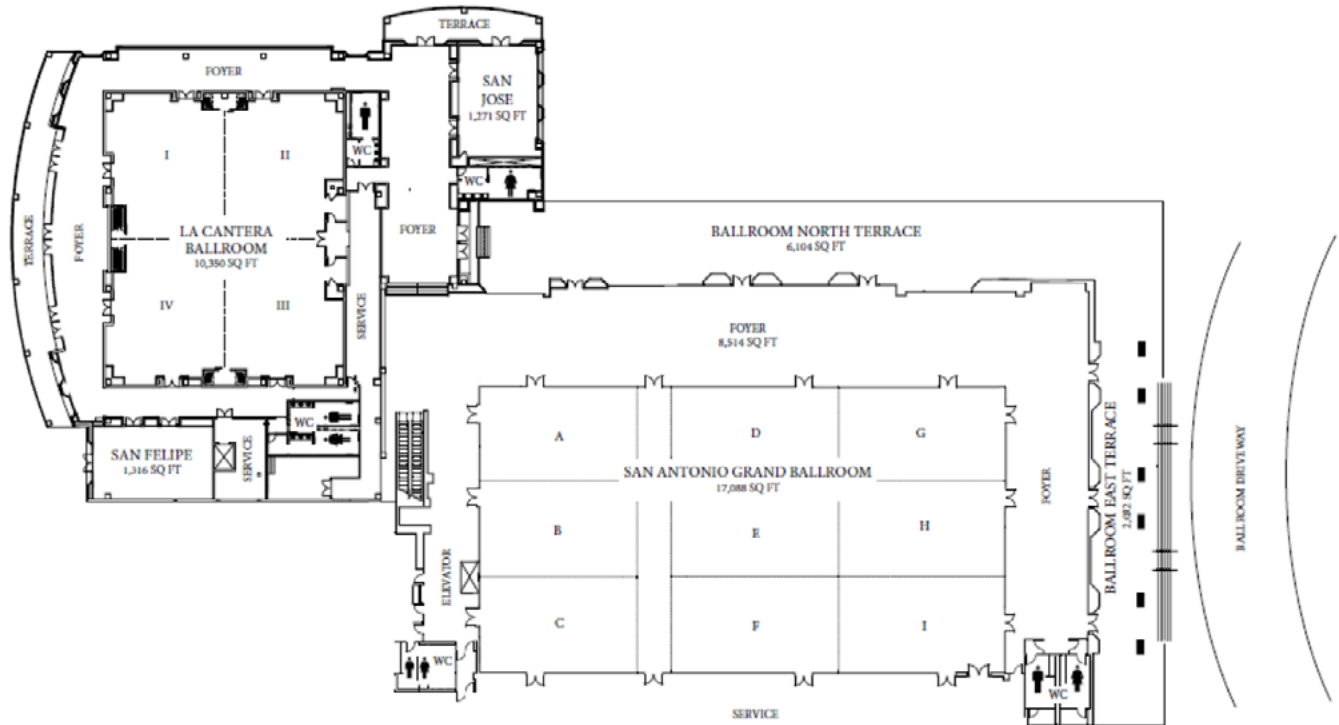
**Dismantle & Removal Hours are subject to change*

Past Presidents

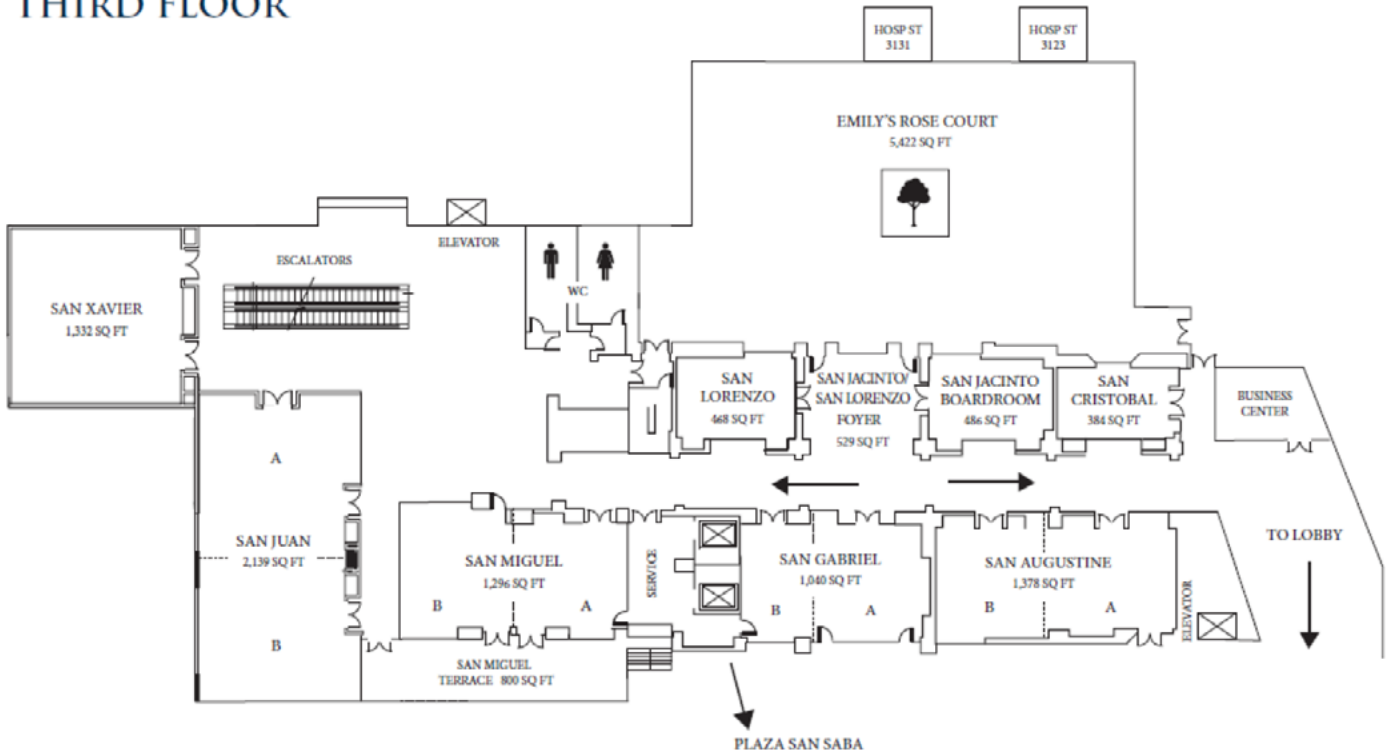
1990	Paul J. Donald, MD	2005	Patrick J. Gullane, MD
1991	Laligam N. Sekhar, MD	2006	Anil Nanda, MD
1992	Ivo P. Janecka, MD	2007	Guy J. Petrozzelli, MD
1993	Peter G. Smith, MD, PhD	2008	Franco DeMonte, MD
1994	Albert L. Rhoton, Jr., MD	2009	Daniel Nuss, MD
1995	Hugh Curtin, MD	2010	Peter Neligan, MD
1996	Derald E. Brackmann, MD	2011	Peter Neligan, MD
1997	Ossam Al Mefty, MD	2012	Dennis Kraus, MD
1998	Steven A. Newman, MD	2013	Carl Heilman, MD
1999	John P. Leonetti, MD	2014	Ehab Hanna, MD, FACS
2000	Robert F. Spetzler, MD	2015	Michael Link, MD
2001	Ian T. Jackson, MD	2016	Carl Snyderman, MD, MBA
2002	Vinod K. Anand, MD	2017	Jacques Morcos, MD, FRCS, FAANS
2003	Jon H. Robertson, MD	2018	Ian Witterick, MD
2004	Jatin Shah, MD	2019	James Evans, MD, FACS, FAANS

Convention Hotel Floor Plan

SECOND FLOOR



THIRD FLOOR



Friday, February 7, 2020

7:30am-8:30am

Main Topics:

- Main Topic 1: Trigeminal Schwannoma Surgery
- Main Topic 2: Clival Chordomas
- Main Topic 3: Esthesioneuroblastoma
- Main Topic 4: Value Based Skull Base Surgery
- Main Topic 5: Recalcitrant Meningiomas

8:35am- 9:35am

Expert Debates:

- Expert Debate 1: Schwannomas - Operate or Radiate
- Expert Debate 2: Protons for Chordomas, Cost/Benefit
- Expert Debate 3: Sinonasal Malignancies, Neoadjuvant or Not?
- Expert Debate 4: Skull Base Coding
- Expert Debate 5: Endo Versus Transcranial Approaches for Anterior Cranial Fossa

9:35am-10:05am

Break with Exhibitors

10:05am-12:20pm

General Session

12:20pm-1:20pm

Lunch in Exhibit Hall

1:20pm-2:20pm

Primer Course

1:20pm-2:20pm

Acoustic Neuroma Education Day

1:20pm-2:20pm

Hot Topic Sessions:

- Hot Topic 1: Topics in Orbital Surgery
- Hot Topic 2: Optimizing Endoscopic Skull Base Reconstruction
- Hot Topic 3: Complex Pituitary Tumors: Giant Pituitary Adenomas or Invasive Pituitary Adenomas
- Hot Topic 4: Cavernous Sinus and Petroclival Meningiomas

2:25pm-3:25pm

Video Sessions:

- Video Session 1: Orbital Approaches
- Video Session 2: Skull Base Reconstruction
- Video Session 3: Extracapsular Tumor Surgery for Pituitary Tumors
- Video Session 4: Petroclival Meningiomas Surgery

3:30pm-4:00pm

Break with Exhibitors

4:00pm-6:00pm

Primer Course

4:00pm-6:00pm

Acoustic Neuroma Education Day

4:00pm-5:00pm

Proffered Papers Sessions

- Proffered Papers 1: Pituitary 1
- Proffered Papers 2: Reconstruction 1
- Proffered Papers 3: Malignancies 1
- Proffered Papers 4: Complications

5:00pm-6:00pm

Proffered Papers Sessions

- Proffered Papers 5: Endoscopic Assisted
- Proffered Papers Session 6: Endoscopic Endonasal
- Proffered Papers 7: Advances and Outcomes
- Proffered Papers 8: Technology and Techniques

6:00pm-7:30pm

Welcome Reception & Poster Viewing

Saturday, February 8, 2020

- 7:30am-9:35am **RHOTON ROOM: ENT vs Neuro Dueling Dissections**
- 7:30am-9:35am **Orbit Education Day**
- 7:30am-8:30am **Main Topics:**
- Main Topic 6: Highlights from AN Day
 - Main Topic 7: Spontaneous CSF Leak: Short and Long Term Management
 - Main Topic 8: Skull Base Surgery Complications
 - Main Topic 9: Skull Base Syndromes You Should Know
 - Main Topic 10: Parasellar Nonpituitary Surgery
- 8:35am-9:35am **Expert Debates:**
- Expert Debate 6: Treatment of Slow Growing Asymptomatic Ans
 - Expert Debate 7: Medical Advances in Skull Base Tumor Management: Current and Future
 - Expert Debate 8: Running Multiple Rooms: Is It Legal? Is It Ethical?
 - Expert Debate 9: Endovascular or Open Treatment of AVMs and Aneurysms
 - Expert Debate 10: Endoscopic Repair Failure: What to do Next?
- 9:35am-10:05am **Break with Exhibitors**
- 10:05am-12:20 **General Session**
- 12:20pm-1:20pm **Lunch in Exhibit Hall**
- 1:20pm-3:25pm **RHOTON ROOM: ENT vs Neuro Dissections**
- 1:20pm-3:25pm **Orbit Education Day**
- 1:20pm-2:20pm **Hot Topics & Special Session:**
- Hot Topic 5: Jugular Foramen Tumors
 - Hot Topic 6: Imaging Advances in Skull Base Pathologies
 - Special Session 1: Being a Woman in a Woman's Job
 - Competition Time - Anterior
- 2:25pm-3:25pm **Video Sessions & Special Session:**
- Video Session 5: Vascular Injury Management
 - Video Session 6: New Technology and Techniques for Skull Base Tumor Removal
 - Special Session 2: NexGen Imaging Modalities in Skull Base Pathologies
 - Special Session 3: Young Members Forum: Building a Practice and the Economics of Building a Practice
- 3:30pm-4:00pm **Break with Exhibitors**
- 4:00pm-6:00pm **RHOTON ROOM: ENT vs Neuro Dissections**
- 4:00pm-6:00pm **Orbit Education Day**
- 4:00pm-5:00pm **Industry, Innovation, and Development**
- 4:00pm-5:00pm **Proffered Papers Sessions:**
- Proffered Papers 9: Meningioma 1
 - Proffered Papers 10: Schwannomas 1
 - Proffered Papers 11: Pediatric
 - Proffered Papers 12: Radiosurgery
 - Proffered Papers 13: Education and Models
- 5:00pm-6:00pm **World Skull Base Leadership Group**

Schedule-at-a-Glance



Saturday, February 8, 2020 (Cont.)

5:00pm-6:00pm **Proffered Papers Sessions:**

- Proffered Papers 14: Meningiomas 2
- Proffered Papers 15: Schwannomas
- Proffered Papers 16: Quality of Life
- Proffered Papers 17: Malignancies

6:30pm-7:30pm **New Member Reception**

7:30pm-10:00pm **Main Social Event**

NASBS Skull Base Surgery SUMMER WORKSHOP



August 6-9, 2020 • LSU Health Sciences Center, New Orleans, LA

SAVE THE DATE

Ideal for Neurosurgery Residents or Head & Neck Fellows in need of skull base surgery hands-on training. This course is not to be missed!



Contact catherine@nasbs.org for more information or visit <https://www.nasbs.org/nasbs-courses/>

Sunday, February 9, 2020

7:30am-9:35am **RHOTON ROOM**

7:30am-8:30am **Special Sessions & Proffered Papers Sessions:**

- Proffered Papers Session 18: Anatomy
- Proffered Papers Session 19: Vascular
- Special Session 4: New Technology and Techniques for Skull Base Tumor Removal
- Special Session 5: Updates in Management of Functional Pituitary Tumors
- Special Session 6: Hearing and CN Rehabilitation in AN Surgery

8:35am-9:35am **Proffered Papers Sessions:**

- Proffered Papers 20: Pituitary 2
- Proffered Papers 21: Endoscopic Endonasal
- Proffered Papers 22: Meningiomas
- Proffered Papers 23: Schwannomas 3
- Proffered Papers 24: Reconstruction 2

9:40am-10:40am **Proffered Papers Sessions:**

- Proffered Papers 25: Pituitary 3
- Proffered Papers 26: Malignancies 3
- Proffered Papers 27: Meningiomas 4
- Proffered Papers 28: Schwannomas 4
- Proffered Papers 29: Reconstruction 3

10:45am-11:45am **Proffered Papers Sessions:**

- Proffered Papers Session 30: Pituitary 4
- Proffered Papers Session 31: Sellar and Parasellar
- Proffered Papers Session 32: Interesting
- Proffered Papers Session 33: Anatomy 2
- Proffered Papers Session 34: Pediatric 2

2020 NASBS Skull Base Dissection Course

WEDNESDAY, FEBRUARY 5 & THURSDAY, FEBRUARY 6, 2020

CME Accreditation

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint providership of PESI, Inc. and North American Skull Base Society. PESI, Inc. is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA Designation Statement

The PESI, Inc. designates this live educational activity for a maximum of **9.25 AMA PRA Category 1 Credit(s)[™]**. Physicians should only claim credit commensurate with the extent of their participation in the activity.

International CME

International Physicians are formally eligible for AMA PRA Category 1 Credit[™].

Physician Assistants

AAPA accepts Category 1 credit from AOACCME, Prescribed credit from AAFP, and AMA PRA Category 1 Credit[™] for the PRA from organizations accredited by ACCME.

Registered Dietitians

For the purpose of recertification the Commission on Dietetic Registration recognizes courses accredited with AMA PRA Category 1 Credit[™].

Nurses

For the purpose of recertification, the American Nurses Credentialing Center accepts AMA PRA Category 1 Credit[™] issued by organizations accredited by the ACCME.

CA Nurses

Aspen CME Services is approved by the California Board of Registered Nursing, Provider number CEP14739, for 19 contact hours.

Pharmacists

For the purpose of recertification, the American Council of Pharmacy Education accepts AMA PRA Category 1 Credit[™] issued by organizations accredited by the ACCME (Accreditation Council for Continuing Medical Education) for attendance at structured learning activities.

Satisfactory Completion for credits:

All attendees must have completed and turned in a course attendance/evaluation form prior to leaving the conference. Each session claimed for credit must be attended in it's entirety.

MODERATORS: Arturo Solares & Paul Gardner

This is a comprehensive course designed to cover modern "minimally invasive" corridors for multi-specialty access to skull base lesions, including endoscopic endonasal, transorbital and endoscopic otological approaches. This is ideal for all skull base specialists, notably neurosurgeons, rhinologists, otologists and oculoplastic surgeons.

At the conclusion of this session, attendees will be able to:

- Recognize minimally invasive approaches to the skull base.
- Identify different minimally invasive approach corridors based on the anatomic relationships of a lesion to the neuromuscular structures of the skull base.
- Integrate minimally invasive skull base surgery techniques in their practice.

2020 NASBS Skull Base Dissection Course (Cont.)

WEDNESDAY, FEBRUARY 5 & THURSDAY, FEBRUARY 6, 2020

Wednesday, February 5

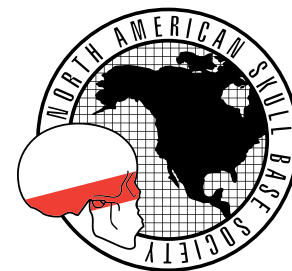
7:30am	Anterior Cranial Base - Supraorbital Craniotomy: Step-by-Step and Indications
7:50am	Supraorbital Craniotomy Prosection
8:15am	Supraorbital Craniotomy Dissection
9:50am	Endoscopic Endonasal Approach to the Ventral Skull Base (Anterior Craniofacial): Anatomy
10:10am	Endoscopic Endonasal Approach to the Ventral Skull Base (Anterior Craniofacial): Step-by-Step Indications
10:30am	Endoscopic Endonasal Approach to the Ventral Skull Base Prosection
10:45am	Endoscopic Endonasal Approach to the Ventral Skull Base Dissection
12:30pm	Lunch with Lectures
12:40pm	Endoscopic Endonasal Anatomy: Transmaxillary/Transpterygoid
1:00pm	Endonasal Transpterygoid +/- Denkers
1:20pm	Ipsilateral Transmaxillary Approach
1:40pm	Contralateral Transmaxillary Approach
2:00pm	Endoscopic/Endonasal/Transmaxillary Prosection
2:30pm	Endoscopic/Endonasal/Transmaxillary Dissection

Thursday, February 6

7:30am	Transorbital Approach to MCF/Meckel's Cave: Step-by-Step and Indications
8:00am	Lateral Orbitotomy Prosection - Approach and Orbital Tumors
8:15am	Lateral Orbitotomy Prosection - Middle Fossa/Meckel's Cave/Cavernous Sinus
8:40am	Lateral Orbitotomy Dissection
10:15am	Endoscopic Endonasal and Retrosigmoid Posterior Fossa Anatomy
10:45am	Endoscopic Endonasal Transclival Approach with All Extensions
11:05am	Endoscopic Endonasal Transclival Approach with All Extensions Prosection
12:30pm	Lunch with Lectures
12:40pm	Keyhole Retrosigmoid Endoscopic Approach: Step-by-Step and Indications
1:15pm	Keyhole Retrosigmoid Endoscopic Approach Prosection
1:45pm	Keyhole Retrosigmoid Endoscopic Approach Dissection
3:00pm	Temporal Bone and Middle Ear Anatomy
3:20pm	Endoscopic Transotic Approaches for Skull Base Tumors: Step-by-Step and Indications
3:45pm	Endoscopic Transotic Approaches Prosection
4:15pm	Endoscopic Transotic Approaches Dissection

30th Annual Meeting

February 7-9, 2020, La Cantera Resort & Spa, San Antonio, TX



2020 REGISTRATION FORM

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"/> Neurosurgery | <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 | |

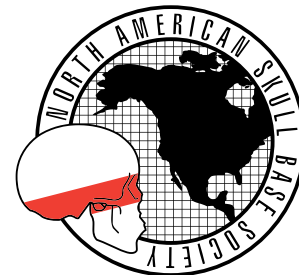
REGISTRATION FEES

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

	EARLY BIRD <i>On or Before December 5, 2019</i>	REGISTRATION <i>On or Before February 3, 2020</i>	ONSITE <i>February 4-9, 2020</i>	TOTALS
Member	<input type="checkbox"/> \$650	<input type="checkbox"/> \$725	<input type="checkbox"/> \$775	
Non-Member	<input type="checkbox"/> \$850	<input type="checkbox"/> \$925	<input type="checkbox"/> \$975	
Medical Student	<input type="checkbox"/> \$360	<input type="checkbox"/> \$435	<input type="checkbox"/> \$485	
Resident	<input type="checkbox"/> \$360	<input type="checkbox"/> \$435	<input type="checkbox"/> \$485	
Fellow	<input type="checkbox"/> \$360	<input type="checkbox"/> \$435	<input type="checkbox"/> \$485	
Allied Health Professional	<input type="checkbox"/> \$360	<input type="checkbox"/> \$435	<input type="checkbox"/> \$485	
TWO-DAY HANDS-ON CADAVER DISSECTION WITH LECTURES FEBRUARY 5-6, 2020 <i>*This is a supplemental course and must be in addition to annual meeting registration</i>				
Member/Non-Member	<input type="checkbox"/> \$1,499	<input type="checkbox"/> \$1,799	<input type="checkbox"/> \$1,799	
Resident/Fellow	<input type="checkbox"/> \$1,139	<input type="checkbox"/> \$1,364	<input type="checkbox"/> \$1,364	

SUBTOTAL \$ _____

2020 REGISTRATION FORM CONTINUED



RSVPs

Please check those events you will be attending.

- NASBS Member Only Business Meeting & Lunch** – February 7, 2020
- Lunch in the Exhibit Hall for all other attendees** – February 7, 2020
- NASBS Welcome Reception** – February 7, 2020
- Lunch in the Exhibit Hall** – February 8, 2020
- NASBS Social Event at Plaza San Saba** – February 8, 2020

GUEST REGISTRATION

Guest registration is necessary for attendance at the Welcome Reception and the NASBS Social Event at Plaza San Saba.

FIRST NAME _____ LAST NAME _____

EMAIL _____

		TOTALS
Guest Ticket for the NASBS Welcome Reception February 7, 2020	<input type="checkbox"/> \$75	
Guest Ticket for the NASBS Social Event at Plaza San Saba February 8, 2020	<input type="checkbox"/> \$150	

SUBTOTAL \$ _____

TOTAL DUE \$ _____

TERMS AND CONDITIONS:

- A fee of \$100 will be assessed for all cancellations through January 24, 2020. Cancellations will not be honored after January 24, 2020 and no refunds will be processed after this date.
- Membership will be verified; all NASBS Member registrations without valid corresponding membership record will be charged the Non-Member registration fee.

PAYMENT INFORMATION

- Check:** Please make payable to North American Skull Base Society (NASBS)
All check payments MUST be accompanied by a completed registration form to ensure proper processing
- Credit Card:** Mastercard Visa AMEX

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

EXP. DATE: _____ SIGNATURE: _____

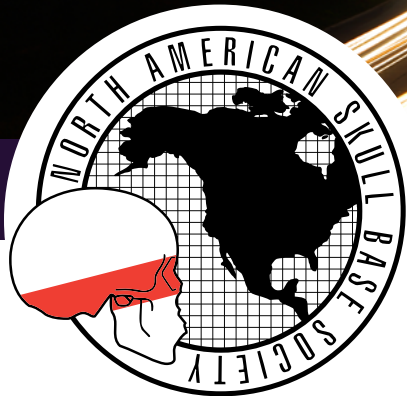
MAIL OR FAX THIS FORM WITH PAYMENT TO:

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

2021 Save the Date



Abstract submissions will open **Summer 2020**

North American Skull Base Society

31st Annual Meeting

February 12-14, 2021, Atlanta Marriott Marquis, Atlanta, GA

Pre-Meeting Dissection Course: **February 10-11, 2021**

For general information regarding the meeting, please contact Paula Kupiec at paula@nasbs.org.