

NORTH AMERICAN SKULL BASE SOCIETY

# 20<sup>th</sup> ANNUAL MEETING

Recovery, Rehabilitation & Renewal:  
Achieving Optimal Outcomes  
in Skull Base Surgery

**October 16-18, 2009**  **New Orleans, Louisiana**  
Pre-Meeting Courses: October 14-15, 2009

**President/Program Chair:** Daniel Nuss, MD

**Program Co-Chair:** Mark Varvares, MD

**Program Committee:** Ali Krisht, MD,  
James Liu, MD & Samuel Selesnick, MD

**Join us in New Orleans, Louisiana!**  
Astor Crowne Plaza

**EARLY REGISTRATION  
& HOUSING DEADLINE**

**September 16, 2009**

Register online at: [www.nasbs.org/meetings](http://www.nasbs.org/meetings)

.....  
**INSIDE**  
.....

*Letter from the President*

*General Information*

*Meeting Leadership*

*Schedule-at-a-Glance*

*Practical Course Workshop*

*Exhibitors*

*Sponsors*

*Visiting New Orleans*

*Meeting Registration*

*Registration Form*

**ADVANCE PROGRAM**





# WELCOME

## MEETING HOURS

### Registration/Speaker Prep Hours

Thursday, October 15  
2:00 pm - 6:00 pm

Friday, October 16  
7:00 am - 6:00 pm

Saturday, October 17  
7:00 am - 6:00 pm

Sunday, October 18  
7:00 am - 11:00 am

### Exhibit Hall/Poster Hours

Friday, October 16  
10:00 am - 7:00 pm  
*Exhibitor Break (Hall Closed)*  
3:00 pm - 5:00 pm

Saturday, October 17  
10:00 am - 3:30 pm

Sunday, October 18  
7:00 am - 11:00 am

### Dear Colleague,

This year it is my genuine privilege to serve as President of the North American Skull Base Society. The NASBS is an international organization with multi-disciplinary membership dedicated to the advancement of clinical and scientific knowledge regarding disorders affecting the base of the skull. **The NASBS will hold its 20th Annual Meeting in New Orleans, October 16-18, 2009. The Practical Course workshops will be held October 14-15, 2009, preceding the Annual Meeting.** I am writing to invite you to attend and to spread the word among your colleagues, associates, students, residents, and researchers who might be interested in this uniquely excellent educational experience.

One of the most extraordinary aspects of the NASBS is its broadly multi-disciplinary nature. Included among the 400-plus members are neurosurgeons, otolaryngologists, ophthalmologists, plastic and reconstructive surgeons, radiologists (diagnostic, therapeutic, and interventional), medical oncologists, and multiple other specialists, all of whom share an interest and embrace the challenges in caring for patients who have base-of-skull problems, including:

- benign and malignant tumors of the brain, skull and craniofacial region
- orbital and retro-orbital tumors affecting the visual pathways
- pituitary and parasellar lesions
- sino-nasal & salivary gland tumors, acoustic neuromas, schwannomas, paragangliomas
- traumatic injuries to the face, skull and cervical spine
- aneurysms and other complex cerebro-vascular lesions of the cranial base
- congenital and syndromic craniofacial deformities
- cerebrospinal fluid fistulae (CSF leaks)

In addition to diagnosis and treatment, this group also focuses on rehabilitative issues, including:

- cranial nerve injuries that affect olfaction, vision, hearing, balance, facial nerve function, speech, swallowing, and other critical neurological functions
- cognitive and intellectual recovery after treatment of skull base diseases
- reconstruction of craniofacial deformities
- physical therapy, occupational therapy and speech/swallowing therapy to maximize recovery after treatment for skull base diseases

The theme of this year's meeting is **Recovery, Rehabilitation, and Renewal: Optimizing Outcomes in Skull Base Surgery**. The setting of New Orleans, one of the world's most unique cities, provides the perfect backdrop for this meeting, as the city itself has rebounded from the devastation of 2005 Hurricane Katrina and is experiencing a renaissance of its own.

I hope you will consider attending this exciting meeting and sharing this information with your colleagues, associates, students, residents, and researchers. To learn more about the NASBS, please go to [www.nasbs.org](http://www.nasbs.org). We hope to see you in October!

Sincerely,

Daniel W. Nuss, MD, FACS, *President, North American Skull Base Society 2009*

## ACCREDITATION

AMA PRA Category 1 Credit™ will be available for this activity

### Target Audience

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



# GENERAL INFORMATION



## LEARNING OBJECTIVES

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

- **Demonstrate** an understanding of the importance of the functional, quality of life and neurocognitive issues that impact upon the recovery of patients with benign and malignant disease affecting the skull base, and to recognize when patients should be referred for specialized evaluation and consultation.
- **Review** the progress that has been made over the last 20 years as this specialty has evolved and to understand its future direction and the role of the individual practitioner in the process.
- **Be exposed** to the newest technologies available in the management of patients with skull base lesions, including robotics, endoscopic advances, image guidance systems and radiosurgery, and to understand when these modalities should be utilized.
- **Understand** the importance and approach of a multidisciplinary team in the management of patients with complex skull base lesions.
- **Understand** the state of the art of evaluation of functional outcomes and quality of life measurements in patients who have been affected by and treated for lesions of the skull base and the application of this science to daily practice.
- **Be exposed** to the very latest surgical techniques used to approach lesions of the cranial base with an emphasis on optimal disease control and minimizing patient morbidity.

### Who Should Attend?

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

### NORTH AMERICAN SKULL BASE SOCIETY 20th Annual Meeting

October 16-18, 2009 • Pre-Meeting Courses: October 14-15, 2009

Astor Crowne Plaza • French Quarter, 739 Canal Street at Bourbon • New Orleans, LA 70130

Tel: +1 504.962.0500 • Fax: +1 504.962.0503 • [www.crowneplaza.com](http://www.crowneplaza.com)

### Contact

North American Skull Base Society • [www.nasbs.org](http://www.nasbs.org)

11300 W. Olympic Blvd., Suite 600 • Los Angeles, CA 90064

Tel: +1 310.424.3326 • Fax: +1 310.437.0585

### 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.

### Membership Benefits

- **Scientific Journal:** Members will receive the official journal of the society, *Skull Base Surgery*, a quarterly publication that contains peer reviewed original articles, review articles, and position papers. It will also present 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 educational opportunities in skull base surgery, as well as scientific courses sponsored by NASBS and will receive reduced registration fees for national scientific meetings.
- **Petrous Pulse:** Members will receive copies of *Petrous Pulse*, the official newsletter of the Society. The newsletter includes a report from the Society President, information updates on the Society, announcements and information on upcoming events, and other news as appropriate.
- **Membership Directory:** An annual directory of the membership will be provided.
- **NASBS Website Access:** Members will have access to Member-Only discussion areas on the Society's website.

Please visit [www.nasbs.org/about/membershipinfo.php](http://www.nasbs.org/about/membershipinfo.php) for more information or email: [membership@nasbs.org](mailto:membership@nasbs.org)

## MEETING LEADERSHIP

### NASBS Executive Committee

Daniel Nuss, MD  
*President • New Orleans, LA*

Peter Neligan, MD  
*President-Elect • Seattle, WA*

Dennis Kraus, MD  
*Vice President • New York, NY*

Carl Heilman, MD  
*Secretary • Boston, MA*

Ehab Y. Hanna, MD  
*Treasurer • Houston, TX*

Franco DeMonte, MD  
*Immediate Past President • Houston, TX*

### Directors at Large

Vijay Anand, MD (2011)

Rick Friedman, MD (2011)

Gady Har-El, MD (2009)

Amin Kaseem, MD, FRCS (C) (2009)

Nancy Lee, MD (2010)

Michael Link, MD (2010)

Thom R. Loree, MD (2009)

Jacques Morcos, MD (2011)

Christopher H. Rassekh, MD (2010)

### Board of Advisors

Franco DeMonte, MD (2013)

Patrick J. Gullane, MD (2010)

Anil Nanda, MD (2011)

Guy Petruzzelli, MD, PhD (2012)

Jatin P. Shah, MD (2009)

### NASBS Scientific Program Committee

Daniel Nuss, MD (President, Co-Chair)

Mark Varvares, MD (Co-Chair)

Samuel Selesnick, MD

Ali Krisht, MD

James K. Liu, MD



# SCHEDULE AT-A-GLANCE

## WEDNESDAY & THURSDAY, OCTOBER 14 & 15

**PRACTICAL COURSE DISSECTION WORKSHOP:** Open and Endoscopic Approaches to the Skull Base at the Louisiana State University Health Sciences Center's state-of-the-art anatomic dissection laboratory. Space is limited, please register ASAP to secure a spot. In addition, the first 20 residents to register will receive a discounted rate of \$250.00 for the 2-day course!

### Wednesday, October 14: Endoscopic Approaches

7:50 am	Welcome
8:00 am	Surgical Anatomy and Skull Base Approaches
8:15 am	Sellar and Supra Sellar Approaches
8:30 am	Endoscopic Approaches to Craniopharyngeomas
8:45 am	Indications and Limitations for Endoscopic Skull Base Surgery
9:00 am	Decision Making in Meningioma Management
9:15 am	Endoscopic Skull Base Reconstruction
9:30 am	Coffee Break
10:00 am	Endoscopic Skull Base Reconstruction for Large Skull Base Defects
10:15 am	Endoscopic or Microscopic Skull Base Approaches: When and Why
10:30 am	Endoscopic Approaches to Infratemporal Fossa and Beyond
10:45 am	Successful Management of Complications of Skull Base Surgeries
11:00 am	My Most Challenging Case
12:30 pm	Lunch
1:30 pm	Prosection and Demonstration
2:00 pm	Lab Dissection
6:00 pm	Adjourn

#### Day One Learning Objectives

At the conclusion of the program, participants will be able to:

- **Apply** various endoscopic techniques for pituitary and skull base surgery
- **Demonstrate** knowledge of the advanced endoscopic anatomy
- **Explain** various techniques of surgery and how to avoid complications

### Thursday, October 15: Open Approaches

8:00 am	Introduction
<b>ANTERIOR MODULE</b>	
8:10 am	Anterior Transfacial Approaches
8:30 am	Cranial Orbital Zygomatic Approaches
8:50 am	Dissection Lab
10:30 am	Break
<b>MIDDLE MODULE</b>	
10:45 am	Lateral Preauricular Infratemporal Approaches
11:05 am	Middle Fossa Approaches
11:25 am	Dissection Lab
1:00 pm	Lunch
<b>POSTERIOR MODULE</b>	
2:00 pm	Postauricular Transtemporal Approaches. Neurotology Perspective
2:20 pm	Postauricular Transtemporal Approaches. Neurosurgery Perspective
2:40 pm	Dissection Lab
4:20 pm	Break and Questions
4:45 pm	Case Presentations

#### Day Two Learning Objectives

At the conclusion of the program, participants will be able to:

- **List** the various surgical approaches to the anterior, middle, and posterior skull base
- **Describe** the indications, contraindications, advantages, and disadvantages for each approach
- **Perform** the soft tissue dissection and osteotomies required for tumor access in each approach

## FRIDAY, OCTOBER 16

7:00 am - 6:00 pm	Speaker Prep Room Open
7:00 am - 8:00 am	<b>BREAKFAST SEMINARS</b>
	Option 1: New Instrumentation and Technologies in Endoscopic Skull Base Surgery
	Option 2: Management of Acoustic Neuromas: Surgical Resection, Radiosurgery or Observation
	Option 3: Management of Voice and Swallowing Dysfunction Following Surgery of the Cranial Base
	Option 4: Operative Management of Complex and Recurrent Meningioma of the Cranial Base Including the Cavernous Sinus
8:00 am - 10:30 am	<b>PLENARY SESSION 1</b>
8:00 am - 8:50 am	Presidential Address, Dr. Daniel Nuss
8:50 am - 9:40 am	<i>Systems Science, Complexity, and Chaos: A Dialectic Path to Optimizing Outcomes in Skull Base Surgery</i> , Dr. Ivo Janecka
9:40 am - 10:30 am	<i>Recovery and Renewal After a Life-Altering Event: A Surgeon's Journey of Faith and Hope</i> , Dr. Anna Pou
10:30 am - 11:00 am	Break with Exhibitors
11:00 am - 12:00 pm	<b>CONCURRENT SESSIONS</b>
	Option 1: Management of Facial Paralysis
	Option 2: Getting Out of Trouble in Endoscopic and Open Skull Base Surgery
	Option 3: Evidence Based Medicine
12:00 pm - 1:00 pm	Lunch & NASBS Business Meeting (All NASBS Members welcome. Only Active Members may vote.)
1:00 pm - 2:00 pm	<i>Surgical Anatomy of the Anterior Cranial Base</i> , Al Rhoton, MD
2:00 pm - 2:30 pm	Break with Exhibitors
2:30 pm - 5:30 pm	Preferred Papers
5:30 pm	Reception with Exhibitors

## SATURDAY, OCTOBER 17

- 7:00 am - 6:00 pm **Speaker Prep Room Open**
- 7:00 am - 8:00 am **BREAKFAST SEMINARS**
- Option 5:** Surgical Strategies for Craniopharyngioma: State of the Art
- Option 6:** Hearing Rehabilitation: The Current State of the Art
- Option 7:** Chasing the Positive Margin in Resection of Skull Base Malignancies: At What Point is the End Not Justified by the Means
- Option 8:** Skull Base Neuroradiology: New Modalities and Pearls from a Senior Skull Base Neuroradiologist
- 8:00 am - 10:30 am **PLENARY SESSION 2**
- 8:00 am - 8:50 am *Measurement of Functional and Quality of Life Outcomes Following Treatment of Skull Base Tumors: Current Methods of Measurement and Expected Outcomes*, Dr. Gerry Funk
- 8:50 am - 9:40 am *20 years of the NASBS; What Has Been Our Impact on Patient Outcomes? A Senior Surgeon's Retrospective*, Dr. Robert Ojemann
- 9:40 am - 10:30 am *Functional Outcomes After Skull Base Surgery: What We Know and What We Don't Know*, Dr. Laligam Sekhar
- 10:30 am - 11:00 am **Break with Exhibitors** "What's New?" Update on the Newest Technology
- 11:00 am - 12:00 pm **CONCURRENT SESSIONS**
- Option 4:** Vascular Repair and Reconstruction in Skull Base Surgery
- Option 5:** Management of the Orbit During Skull Base Surgery and Rehabilitation of Visual Defects
- Option 6:** Interactive Skull Base Malignancies Tumor Board
- Option 7:** Assessment and Management of Neurocognitive and Behavioral Deficits Following Skull Base Surgery
- 12:00 pm - 1:00 pm **Lunch with Exhibitors**
- 1:00 pm - 2:00 pm **CONCURRENT SESSIONS**
- Option 8:** Management of the Craniovertebral Junction in Skull Base Surgery: Operative Strategies and Stabilization
- Option 9:** Prosthetic Rehabilitation of Facial Defects
- 2:00 pm - 2:30 pm **Break with Exhibitors**
- 2:30 pm - 5:30 pm **Proffered Papers**
- 6:30 pm - 10:30 pm **NASBS Social Event**

## SUNDAY, OCTOBER 18

- 7:00 am - 12:00 pm **Registration**
- 7:00 am - 8:00 am **Breakfast with Exhibitors**
- 8:00 am - 9:00 am **RESIDENT LECTURES**
- Option 1:** Surgical Approaches to the Anterior Cranial Base: Endoscopic, Traditional and Subfrontal
- Option 2:** Strategies in the Management of Glomus Jugulare Tumors
- 8:30 am - 10:00 am **CPT Coding and Reimbursement**
- 9:00 am - 10:00 am **RESIDENT LECTURES**
- Option 3:** The Multidisciplinary Management of Skull Base Chordomas and Chondrosarcomas
- Option 4:** Multimodality Management of Paranasal and Anterior Cranial Base Malignancy
- Option 5:** State of the Art Management of Pituitary and Parasellar Tumors
- Option 6:** State of the Art Diagnosis and Management of CSF Leaks
- 10:00 am - 10:30 am **Break with Exhibitors**
- 10:30 am - 12:30 pm *Surgical Anatomy of the Middle Cranial Base / Anatomy of the Posterior Cranial Base*, Al Rhoton, MD
- 12:30 pm **Meeting Adjourned**

\*Schedule tentative and subject to change

## EXHIBITORS

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Exhibitors and Sponsors as of May 2009





# VISITING NEW ORLEANS

## MEETING REGISTRATION

Register online before  
September 16, 2009 and  
received the Early Bird  
Discount!

### Ways to Register

1. Register online at:  
[www.nasbs.org/meetings](http://www.nasbs.org/meetings)
2. Fax completed registration form to:  
**+1 310.437.0585**  
Attn: NASBS Registration
3. Mail completed registration form to:  
NASBS Registration:  
North American Skull Society  
11300 W. Olympic Blvd., Ste. 600  
Los Angeles, CA 90064

Payment in full must accompany registration form. Advance registration is through September 16, 2009 in order to receive the early bird discount. Late registration (after September 16, 2009) 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 **+1 310.424.3326, ext. 128** or [registration@nasbs.org](mailto:registration@nasbs.org)

## AIRPORT INFORMATION

All major domestic and international airlines serve Louisiana's international airport. The Louis Armstrong Airport (MSY) is located approximately 12 miles from the hotel.

## HOTEL INFORMATION

The North American Skull Base Society has made special arrangements with the Astor Crowne Plaza to offer attendees discounted rates on a first-come, first-serve basis. Reservations will need to be made by September 16, 2009, in order to be guaranteed receipt at these room rates and to be assured of guest room availability.

A one night's deposit will be required on each room or suite either in cash or by the use of one of the following major credit cards: Visa, Master Card, American Express, Discover, Diners Club/Carte Blanche and JCB. Reservations and deposits received after September 16, 2009, will be confirmed on a space and rate available basis. Late arrivals will need to inform hotel upon booking and guarantee with cash or credit card.

**The Astor Crowne Plaza** just finished a \$11 Million renovation and is located at the Gateway to the French Quarter where Canal Street meets Bourbon Street. The excitement of the French Quarter awaits you right outside our door. Whether it be world renowned dining or the intoxicating sounds of New Orleans' Jazz or Blues – you are in the heart of it all. The Astor Crowne Plaza offers easy access to nearby attractions like Harrahs Casino, the Aquarium of the Americas, Jackson Square, Morial Convention Center, Riverwalk Shopping, the New Orleans Sports Arena and the Superdome.

This 693 room, grand hotel is the "Place to Meet" for business or pleasure. The hotel's guest accommodations offer an array of amenities such as in-room safes, two dual line phones with voice mail, high speed internet access, blow dryers, iron and ironing board, CD players, coffee/tea makers as well as Crowne Plaza's Sleep Advantage bedding with sleep amenities. The hotel's services include a 24 hour business center, fitness room, outdoor pool and terrace, executive level accommodations and a concierge to assist you with your plans for the day or evening.

The hotel is home to Dickie Brennan's Bourbon House Restaurant and Seafood Bar. Enjoy true Southern Cuisines and Fresh Seafood Selections – for breakfast, lunch, or dinner.

The staff at the Astor is truly versed in Southern Hospitality and ready to not just meet your expectations – but to exceed them. Let the good times roll!

### How to Book a Hotel Reservation

Hotel Reservations can now be made for the NASBS 20th Annual Meeting at:  
**Astor Crowne Plaza • 739 Canal Street at Bourbon • New Orleans, Louisiana 70130**

Reservations can be made directly with the hotel by calling: 1-866-750-4202. Be sure to use the group code "**North American Skull**" when making reservations to secure the group rate.

The following group rates are being offered:

Single: \$195.00  
Double: \$215.00  
Club Level: \$249.00

Be sure to make your reservation by September 16, 2009.

# REGISTRATION FORM

NORTH AMERICAN SKULL BASE SOCIETY 20<sup>th</sup> ANNUAL MEETING  
October 16-18, 2009 • New Orleans, Louisiana • Astor Crowne Plaza  
Pre-Meeting Courses: October 14-15, 2009



Please visit [www.nasbs.org/meetings](http://www.nasbs.org/meetings) to register online or fax form to 310-437-0585

I am unable to attend but I would like to be updated on all future conferences. Email Address: \_\_\_\_\_

## REGISTRANT INFORMATION

Prefix: \_\_\_\_\_ First Name: \_\_\_\_\_ MI: \_\_\_\_\_ Last Name: \_\_\_\_\_ Degree: \_\_\_\_\_

Organization/Institution: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State/Country: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

Please fill in ALL above information for your registration to be processed.

### Please check your profession and registration fee:

Member: \$585.00     Non-Member: \$770.00     Resident: \$350.00     Allied: \$300.00     Guest: \$300.00  
Name of Guest: \_\_\_\_\_

A day rate is available, which is good for only one day of attending the conference. Please call 310-424-3326 ext 128 for more information on how to register.

## COURSE, SEMINAR, CONCURRENT & LECTURE SELECTION

### Wednesday and Thursday, October 14 and 15, 2009

#### Pre-Meeting Practical Course

- One Day Course (Please choose Endoscopic **or** Open Approaches) \$850.00
    - Endoscopic Approaches on Wednesday, October 14
    - Open Approaches on Thursday, October 15
  - Two Day Course (Both Endoscopic **and** Open Approaches) \$1,550.00
  - Resident Rate\* \$250.00
- \*Only 20 Residents will receive the \$250.00 rate. This is determined by a first come-first serve basis. After the 20 spots have been filled, residents wishing to attend must pay the full price. If spots are full, NASBS will contact you directly.

### Friday, October 16, 2009

#### Please Choose Breakfast Seminar 1, 2, 3, or 4

- 1: New Instrumentation and Technologies in Endoscopic Skull Base Surgery
- 2: Management of Acoustic Neuromas: Surgical Resection, Radiosurgery or Observation
- 3: Management of Voice and Swallowing Dysfunction Following Surgery of the Cranial Base
- 4: Operative Management of Complex and Recurrent Meningioma of the Cranial Base Including the Cavernous Sinus

#### Please Choose Concurrent 1, 2 or 3

- 1: Management of Facial Paralysis
- 2: Getting Out of Trouble in Endoscopic and Open Skull Base Surgery
- 3: Evidence Based Medicine

### Saturday, October 17, 2009

#### Please Choose Breakfast Seminar 5, 6, 7, or 8

- 5: Surgical Strategies for Craniopharyngioma: State of the Art
- 6: Hearing Rehabilitation: The Current State of the Art
- 7: Chasing the Positive Margin in Resection of Skull Base Malignancies: At What Point is the End Not Justified by the Means
- 8: Skull Base Neuroradiology: New Modalities and Pearls from a Senior Skull Base Neuroradiologist

#### Please Choose Concurrent 4, 5, 6, or 7

- 4: Vascular Repair and Reconstruction in Skull Base Surgery
- 5: Management of the Orbit During Skull Base Surgery and Rehabilitation of Visual Defects:
- 6: Interactive Skull Base Malignancies Tumor Board
- 7: Assessment and Management of Neurocognitive and Behavioral Deficits Following Skull Base Surgery

#### Please Choose Concurrent 8 or 9

- 8: Management of the Craniovertebral Junction in Skull Base Surgery: Operative Strategies and Stabilization
- 9: Prosthetic Rehabilitation of Facial Defects

### Sunday, October 18, 2009

#### Please Choose Resident Lecture 1 or 2

- 1: Surgical Approaches to the Anterior Cranial Base: Endoscopic, Traditional and Subfrontal
- 2: Strategies in the Management of Glomus Jugulare Tumors

#### Please Choose Resident Lecture 3, 4, 5, or 6

- 3: The Multidisciplinary Management of Skull Base Chordomas and Chondrosarcomas
- 4: Multimodality Management of Paranasal and Anterior Cranial Base Malignancy
- 5: State of the Art Management of Pituitary and Parasellar Tumors
- 6: State of the Art Diagnosis and Management of CSF Leaks

Late Fee due after September 16, 2009 \$75.00

Total Due: ( \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ ) \$ \_\_\_\_\_  
Registration Fee\*\* Pre-Meeting Course Late Fee

\*\*Registration fee includes breakfasts, lunch, breaks for all registrants. The evening reception and the social event are included for all registrants except for day passes. Those purchasing day passes can buy tickets on-site for the evening reception and/or social event if they wish to attend.

## PAYMENT INFORMATION

### Check

Please make payable to North American Skull Base Society (NASBS)

### Credit Card    Mastercard    Visa    AMEX

Number: \_\_\_\_\_

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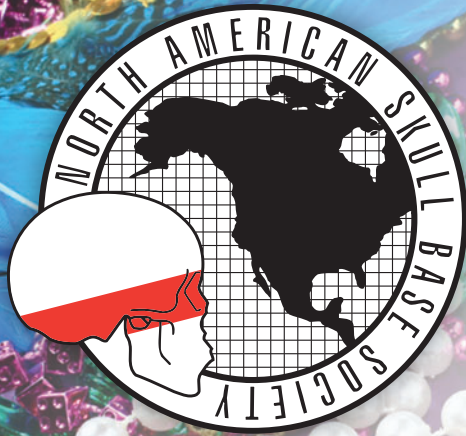
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\*Cancellation and refunds: To receive a refund less a \$50.00 administration fee, cancellations must be in writing or by fax and MUST be received by September 26, 2009. NO REFUNDS WILL BE GIVEN ON SITE. Fax: 310.437.0585

**ADA Statement:** In compliance with Americans with Disabilities Act, we will make every reasonable effort to accommodate your needs. For any special requests, please call Maribeth Balon at 310.424.3326 ext 125 before September 16, 2009.

### Mail or Fax This Form With Payment To:

Meeting Registrar • 11300 W. Olympic Blvd, Suite 600, Los Angeles CA 90064  
Phone: +1 310.424.3326, ext 128 • Fax: +1 310.437.0585  
Email: [registration@nasbs.org](mailto:registration@nasbs.org)



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# 20<sup>th</sup> ANNUAL MEETING

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**September 16, 2009**

Register online at: [www.nasbs.org/meetings](http://www.nasbs.org/meetings)



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Los Angeles, CA 90064

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