

18th

18th

Annual Meeting of the
North American Skull Base Society



Final Program

Innovation, Teamwork & Excellence *in Skull Base Surgery*

MAY 24 – 27, 2007

THE WESTIN ON MICHIGAN AVENUE • CHICAGO, ILLINOIS

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OFFICERS AND COMMITTEES

North American Skull Base Society

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Anil Nanda, MD
Immediate Past President



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President-Elect and Secretary

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Carl B. Heilman, MD (2004-2007)
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Jatin P. Shah, MD (2004-2009)

NASBS Headquarters

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Past Presidents

1990 Paul J. Donald, MD
1991 Laligam N. Sekhar, MD
1992 Ivo P. Janecka, MD
1993 Peter G. Smith, MD, PhD
1994 Albert L. Rhoton Jr., MD
1995 Hugh D. Curtin, MD

1996 Derald E. Brackmann, MD
1997 Ossama Al-Mefty, MD
1998 Steven A. Newman, MD
1999 John P. Leonetti, MD
2000 Robert F. Spetzler, MD
2001 Ian T. Jackson, MD

2002 Vinod K. Anand, MD
2003 Jon H. Robertson, MD
2004 Jatin Shah, MD
2005 Patrick J. Gullane
2006 Anil Nanda

OFFICERS AND COMMITTEES



North American Skull Base Society

2006 - 2007 Committee List



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Co-Chair



Vikram Prabhu, MD
Co-Chair

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Co-Chairman: Ashok Shaha, MD

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Journal Committee

Chairman: Anil Nanda, MD

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Nominating Committee

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Research Committee

Chairman: Ehab Hanna, MD
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Program Committee

Scientific Committee

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Norman Bamber, MD, PhD (Resident Representative)

James Chandler, MD
James Evans, MD
Ehab Hanna, MD
Dennis Kraus, MD
Michael Link, MD
Peter Neligan, MD
Snehal Patel, MD, MS
Gail Rosseau, MD
Charles Rosen, MD, PhD

2008 World Congress Meeting Committee

Laligam Sekhar, MD
Franco DeMonte, MD
Daniel Nuss, MD
Saleem Abdulrauf, MD

HONORED GUESTS

Each year, the North American Skull Base Society honors one or several individuals who have made major contributions to one of the disciplines dealing with the management of patients with diseases of the skull base. This year, President Guy Petruzzelli has chosen to honor Dr. Bahman Emami and Dr. Victor Schramm, Jr.

18th Annual Meeting Honored Guests

Victor L. Schramm, Jr.

Victor L. Schramm, Jr. grew up in western Minnesota. At an early age he developed carpentry, water skiing and fishing skills, but was attracted more by science. Undergraduate education at the University of Iowa evolved from physics to chemistry to medicine. While attending the University of Iowa School Of Medicine, Otolaryngology emerged as the specialty of choice. Good fortunes lead to residency training at Washington University and Barnes Hospital in St. Louis. There Dr. Schramm was introduced to the need for innovation for surgery. His first two skull base tumor resections were completed there in 1973 despite the refusal of Neurosurgical participation.



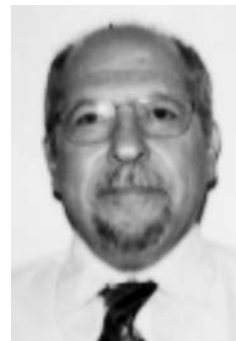
Beginning in Philadelphia in the United States Navy and continuing at the University of Pittsburgh interests in teaching and patient care expanded from Head and Neck surgery to skull base surgery. The research aspects of academic practice were met with cooperation of Plastic and Neurosurgeons in the operating room where skull base surgery was taken from experimental to innovative to standard of care. An evolving passion for running and down hill skiing filled non professional hours.

Denver was chosen as a central location for the developing skull base surgery endeavor, also providing proximity to skiing. The eager cooperation of many talented medical and surgical specialists lead to a very active private practice based skull base surgery team. Here, Dr. Schramm also added hiking, horse back riding, ranching and horse packing with wilderness camping to fill non ski season free time.

With multidisciplinary cooperation, Dr. Schramm developed early low frontal anterior fossa resection and galeal pericranial reconstruction, followed by preauricular infratemporal nasopharyngeal resection, total carotid decompression and transposition, total temporal bone reconstruction and free flap skull base reconstruction. Despite this experience he understands there must be a better way and continues with colleagues to strive for improvements in patient outcome.

HONORED GUESTS

Dr. Bahman Emami



Dr Bahman Emami completed his Residency in Therapeutic Radiology at Tufts University School of Medicine, Boston, MA, in 1976 Bahman stayed on their Faculty until 1980, when he joined the Radiation Oncology Center at Washington University in St. Louis. He remained there until 1996. Besides his clinical and research responsibilities he occupied many administrative positions, including Director of the Hyperthermia Center, Clinical Chief (1987-90) and Associate Director (1990-96). At that time he went to become Chairman of the Department of Radiation Oncology at Loyola University School of Medicine and Medical Center, position he occupies at the present time.

Dr. Emami has been a leader in the Radiation Therapy Oncology Group (RTOG), in which he was Chairman of the Hyperthermia Committee and Vice-Chairman of the Lung Committee. He was Chairman of several Group Protocol studies in Hyperthermia, head and neck and lung cancer.

He has greatly contributed to the advancement of Radiation Oncology as a clinical discipline and to the development of innovative approaches to three-dimensional treatment planning and delivery of radiation therapy. He has made substantial contributions to the management of patients with head and neck and lung cancer. Scientifically he led the Department and RTOG in innovative research on clinical applications of hyperthermia and in combined modality therapy of patients with cancer. He participated in the organization of several educational programs related to 3D treatment planning in radiation therapy.

Dr. Emami is highly regarded by his peers in Radiation Oncology. He is member of numerous professional Societies and he has been recognized for his many valuable contributions to our discipline and to the management of patients with cancer. He was awarded a Fellowship in the America College of Radiology in 1989.

Dr. Emami has been strongly committed to the training of the radiation oncology residents and has been a most enlightening mentor of young radiation oncologists. In 2004-05 he was bestowed the Teacher of the Year Award by the Association of Residents in Radiation Oncology. Further, he has participated in numerous educational programs in ASTRO, ACR and the RSNA.

Dr. Emami has been a most prolific writer with over 270 proffered journal papers, 50 chapters and invited articles published. He is an Associate Editor of the International Journal of Radiation Oncology, Biology and Physics.

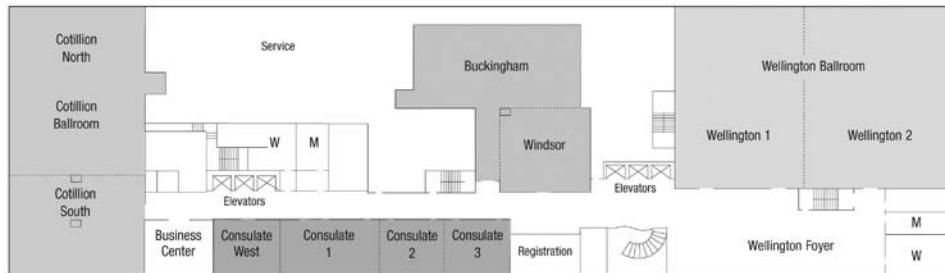
Dr. Emami has been a member of many national and international task forces and committees in Radiation Oncology that have formulated important recommendations to set standards to improve the practice of radiation therapy. He was responsible for organizing several Symposia on Hyperthermia and 3D treatment planning in Radiation Therapy that resulted on several important publications.

Past Honored Guests

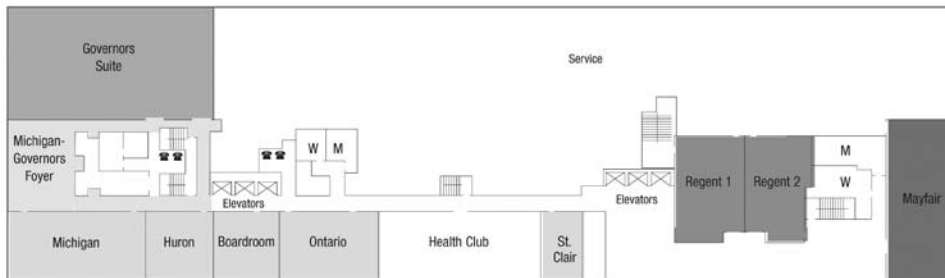
1990	Edwin W. Cocke Jr., MD	2000	Derald Brackmann, MD
1991	Leonard I. Malis, MD		Peter J. Jannetta, MD
1992	Madjid Samii, MD	2001	T.A.H. (Rab) Hide, FRCS
1993	Michael E. Glasscock III, MD	2002	Wolfgang Draf, MD
1994	Johannes Lang, MD		Albert L. Rhoton Jr., MD
	Robert G. Ojemann, MD	2003	Paul J. Donald, MD
	Kurt F. Schurmann, MD	2004	Alfred S. Ketchum, MD
1995	Peter M. Som, MD		John S. Lewis, MD
1996	William E. Hitselberger, MD	2005	Anthony D. Cheeseman, MD
	William F. House, MD		Alan Hudson, OC
1997	Ugo Fisch, MD		Joram Raveh, MD, DMD
1998	Kil Soo Choi, MD	2006	Robert Jackler, MD
	Dwight Parkinson, MD		Robert Spetzler, MD
	Naoaki Yanagihara, MD		

GENERAL INFORMATION

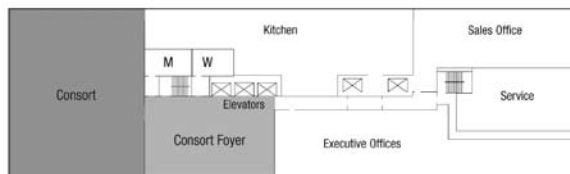
Second Floor



Third Floor



Sixteenth Floor



MEETING LOCATION

All scientific sessions for the Annual Meeting of the North American Skull Base Society (NASBS) will be held at the Westin Michigan Avenue, Chicago, Illinois.

PRACTICAL COURSE LOCATION

The practical course on Thursday, May 24th, will be held at:

Rush University Medical Center
600 South Paulina
Suite AF506-Anatomy Lab
Chicago, IL 60612

REGISTRATION

On-site registration for the meeting will be held at the Westin Michigan Avenue at the following times:

Thursday, May 24	2:30 p.m. – 6:00 p.m.
Friday, May 25	7:00 a.m. – 5:30 p.m.
Saturday, May 26	7:00 a.m. – 5:30 p.m.
Sunday, May 27	7:00 a.m. – 1:00 p.m.

GUEST REGISTRATION

Spouses or guests of registrants, who do not attend the scientific sessions, may register as a guest. The guest registration fee includes the President's Reception, Wine & Cheese Reception, and the Annual Banquet.

EXHIBIT HOURS

Friday, May 25	6:00 p.m. – 8:00 p.m.
Saturday, May 26	7:00 a.m. – 3:30 p.m.
Sunday, May 27	7:00 a.m. – 12:00 noon

SPEAKER READY ROOM

A Speaker Ready Room, located in Consulate West, will be available for all presenters to use. You are urged to visit the Speaker Ready Room to reconfirm your audio/visual needs and review your presentation. An audio/visual technician will be available to assist you. Hours of operation:

Friday, May 25	7:30 a.m. – 5:30 p.m.
Saturday, May 26	7:00 a.m. – 5:30 p.m.
Sunday, May 27	7:00 a.m. – 1:00 p.m.

GENERAL INFORMATION

Disclosure of Commercial Relationships

As a sponsor accredited by the Accreditation Council for Continuing Medical Education, the Society and the Continuing Medical Education Committee of the North American Skull Base Society must ensure balance, independence, objectivity, and scientific rigor in all its individually sponsored or jointly sponsored educational activities. All speakers and faculty participating in a sponsored activity are expected to disclose to the activity audience any significant financial interest or other relationship (1) with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services discussed in an educational presentation and (2) with any commercial supporters of the activity (significant financial interest or other relationship can include such things as grants or research support, employee, consultant, major stock holder, member of speakers bureau, etc.) The intent of this disclosure is not to prevent a speaker with a significant financial or other relationship from making a presentation, but rather to provide listeners with information on which they can make their own judgments. It remains for the audience to determine whether the speaker's interests or relationships may influence the presentation with regard to exposition or conclusion. Presenters are also expected to disclose if their presentation includes discussion of any pharmaceutical products or medical devices that are considered investigational (not FDA approved use; "off label").

MEMBERSHIP IN THE NORTH AMERICAN SKULL BASE SOCIETY

The fee for membership in the North American Skull Base Society is \$275.00 per year. Membership in the society includes a discounted fee to the annual meeting, practical courses, the society newsletter, and the journal *Skull Base: An Interdisciplinary Approach*. For information on joining NASBS, please call the society's headquarters at 703-437-4377 or visit the website at www.nasbs.org. See page 37 for a membership application.

SUPPORT TO THE SOCIETY

We gratefully acknowledge the following companies for providing financial support for the Annual Meeting:

Exhibitors

Anspach Companies
Biomet Microfixation
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Carl Zeiss Surgical, Inc.
Codman, a Johnson & Johnson Company
Confluent Surgical
Cook Medical
GE Healthcare
Gore & Associates

Gyrus ACMI ENT Division
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OsteoMed, LP
Plural Publishing, Inc.

Porex Surgical, Inc.
Scanlan International, Inc.
Stryker
Synergetics, Inc.
Synthes CMF
Thieme Publishers
Xoran Technologies

Society ties

The NASBS Society necktie is available for purchase at the meeting registration desk. The cost per tie is \$35.00.

GENERAL INFORMATION

Annual Meeting Educational Objectives

Through participation in this Annual Meeting, members of the North American Skull Base Society and other attendees will have the opportunity to:

- Recount the history of skull base surgery and its origins;
- Discuss the education of our residents and fellows in skull base surgery;
- Recognize the potential complications of skull base surgery with particular emphasis on identifying pre-operative risk factors and intra-operative warning signs;
- Describe the importance of short-term care and recognize the potential and limitations in long-term rehabilitation for patients with skull base lesions;
- Explore the trends and directions of the future that will change the face of skull base surgery.
- Discuss the evolving role of minimally invasive and endoscopic skull base surgery; identify the potential of new technologies in neuro-navigation and stereotaxis;
- Discuss the developing alternative treatment modalities, such as stereotactic radio surgery that can be utilized for management of tumors of the skull base;
- Review the status of medical alternatives to traditional surgery, such as medical and hormonal therapy and gene manipulation.
- Recognize the potential complications of skull base surgery with particular emphasis on identifying pre-operative risk factors and intra-operative warning signs;
- Describe the importance of short-term care and recognize the potential and limitations in long-term rehabilitation for patients with skull base lesions;
- Discuss the recent advances in skull base pathology and surgery.

CME ACCREDITATION

The North American Skull Base Society is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians. The NASBS designates Category 1 credit towards the AMA Physician's Recognition Award for the Annual Meeting for up to 30 hours and up to 8 hours for the one-day practical course. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

BADGES

Badges should be worn at all times during scheduled meeting activities. Your badge is your admission pass for all meeting sessions, social events, and exhibit hall.

MEETING LANGUAGE

The language used at the meeting will be English.

SMOKING

Smoking is not permitted in any room or area in which a meeting is sponsored or an organized activity is held. This prohibition includes the registration area, the exhibit hall, and rooms in which meetings and social events are held.

PRACTICAL COURSES



Practical Course – May 24, 2007

The pre-meeting practical course will be held at:

**Rush University Medical Center
600 South Paulina
Suite AF506-Anatomy Lab
Chicago, IL 60612**

Practical Course Organizers

Siviero Agazzi, MD
Mario Ammirati, MD
Vijay Anand, MD
Robert Beck, PhD
Richard Byrne, MD
Sam Marzo, MD
Alan Micco, MD
Guy Petruzzelli, MD, PhD
Vikram Prabhu, MD
Theodore Schwartz, MD
Harry van Loveren, MD
James Williams, PhD

NASBS PRACTICAL COURSE

Session I – Endoscopy and Anterior Cranial Fossa

7:30 a.m. – 12:30 p.m.

7:30 – 8:30 a.m. Anatomy of the Anterior Cranial Fossa and Paranasal Sinuses

Albert Rhoton, Jr.

8:30 – 8:45 a.m. Transnasal Corridors to the Skull Base

Vijay K. Anand

8:45 – 9:00 a.m. Endoscopic Skull Base Approaches

Theodore H. Schwartz

9:00 – 9:45 a.m. Anatomy Lab Prosection

9:45 a.m. – 12:30 p.m. Hands-On Cadaver Dissections

Prosectors – Vijay Anand, Theodore Schwartz, and Guy Petruzzelli

Instructors – Clint Baird, Seth Brown, William Benedict, Mark Bilsky, Aadil Chagla, James Evans, Stacey Gray, John Jane, Jr., Amin Kassam, Sepher Sani, Joseph Scianna, Carl Snyderman, Aldo Stamm, Abtin Taebee, and Charles Teo

12:30 a.m. – 1:00 p.m. Working Lunch for Participants

Surgical Approaches to the Cavernous Sinus

Harry van Loveren

Session II – Middle and Posterior Cranial Fossa

1:00 p.m. – 5:30 p.m.

1:00 – 1:15 p.m. Anatomy: The Posterior Cranial Fossa and Posterior Petrous Bone

John Shea

1:15 – 1:30 p.m. Surgical Strategies: Posterior Petrosectomy Approach to Petroclival Tumors

Jacques Morcos

1:30 – 1:35 p.m. Practical Exercise Explanation: Expanded Posterior Petrosectomy

Siviero Agazzi

1:35 – 3:05 p.m. Dissection: Expanded Posterior Petrosectomy

Prosectors: Siviero Agazzi, Mario Ammirati, Alan Micco

Instructors: Saleem Abdul-Rauf, Ossama Al-Mefty, Khaled Aziz, Edward Duckworth, James Evans, Douglas Long, Edward Duckworth, Ali Krisht, Stephen Lewis, Sam Marzo, Jacques Morcos, Sam Selesnick, Mitesh Shah, and John Treves

3:05 – 3:15 p.m. Pearls and Pitfalls: Translabyrinthine Approach to Vestibular Schwannomas

Alan Micco

3:15 – 3:30 p.m. Anatomy: The Middle Cranial Fossa and Anterior Petrous Bone

Stephen Lewis

3:30 – 3:45 p.m. Surgical Strategies: Anterior Petrosal Approaches (Kawase) to Petrous Apex and Upper Clival Lesions

Mario Ammirati

3:45 – 3:55 p.m. Pearls and Pitfalls: Middle Fossa Approach to Vestibular Schwannomas

Sam Marzo

3:55 – 4:00 p.m. Practical Exercise Explanation: Anterior Petrosectomy

Siviero Agazzi

4:00 – 5:00 p.m. Dissection: Anterior Petrosectomy

Prosectors: Siviero Agazzi, Mario Ammirati, Alan Micco

Instructors: Khaled Aziz, John Golfinos, Matthew Hanson, Michael Link, James Liu, Sam Marzo, Michael Moore, Sunil Patel, Sujit Prabhu, Sandeep Samant, Jack Shohet, Joseph Zabramski

NASBS SCIENTIFIC PROGRAM

Thursday, May 24, 2007

2:30 – 6:00 p.m. Registration Open
(2nd Floor Registration Desk)

6:00 – 8:00 p.m. Presidents Welcome Reception
(Cotillion Ballroom)

Friday, May 25, 2007

7:00 – 5:30 p.m. Registration Open
(2nd Floor Registration Desk)

7:00 – 8:00 a.m. Breakfast Seminar Sessions

(Buckingham Room) **Breakfast Seminar#1 Comprehensive Management of Pituitary Tumors**
Gail Rousseau (Moderator), Mark Molitch, Ajay Niranjana, Kalmon Post

(Consulate Rooms) **Breakfast Seminar #2 Comprehensive Management of Vestibular Schwannomas**
Joung Lee (Moderator), Fred Barker, Michael Holliday, Michael Link, Peter Weber

(Mayfair Room) **Breakfast Seminar #3 Comprehensive Management of Petroclival Meningiomas**
Johnny Delashaw (Moderator), Ossama Al-Mefty, Jacques Morcos, Laligam Sekhar

Plenary Session #1

Moderators: Franco DeMonte and Dennis Kraus

8:00 – 9:00 a.m. Interactive Tumor Board: Managing Skull Base Malignancy
(Cotillion Ballroom) Dennis Kraus (Moderator), Annie Chan, Joseph Clark, Franco DeMonte, Patrick Gullane

9:00 – 10:00 a.m. Invited Presidential Lecture: Demanding Medical Excellence
(Cotillion Ballroom) Michael Millenson, MD

10:00 – 10:15 a.m. Update on Skull Base: An Interdisciplinary Approach
(Cotillion Ballroom) Randall Porter

10:15 – 10:30 a.m. Refreshment Break
(Wellington Foyer)

10:30 – 12 noon Concurrent Sessions

(Cotillion Ballroom) **Panel Discussion # 1: Endoscopic Approaches to the Cranial Base**
Amin Kassam (Moderator), Paul Donald, Fred Gentili, Daniel Pieper, Charles Teo

(Buckingham Room) **Panel Discussion #2: Functional Outcomes in Neuro-otology and Rhinology Following Cranial Base Surgery**
Samuel Selesnick (Moderator), Peter Batra, Rick Friedman, Stephen Wetmore, Anthony Zeitouni

12 noon – 1:00 p.m. Lunch and Annual Business Meeting (NASBS Members Only)
(Governors Room – 3rd floor)

NASBS SCIENTIFIC PROGRAM

- 1:00 – 3:00 p.m. Proffered Papers – Oral Presentations**
(Buckingham Room) **Scientific Session A-1 – Abstracts 1-12**
Moderators: Stephen Lewis and Marc Rosen
- 1:00 – 1:08 p.m. Abstract #1**
Endoscopic Cranial Base Neuroanatomy as Observed through Endonasal Transphenoidal Approach Using Image Guidance
Promod Pillai (presenter) and Mario Ammirati
- 1:08 – 1:16 p.m. Abstract #2**
A New Classification of Transbasal Approaches
Iman Feiz-Erfan (presenter), Robert F Spetzler, Randall W Porter, Stephen P Beals, Edward F Joganic, Salvatore C Lettieri and Franco DeMonte
- 1:16 – 1:24 p.m. Abstract #3**
Expanded Endoscopic Approach for Nonpituitary Skull Base Lesions
Amir R. Dehdashti (presenter), Ahmed Ganna, Ian Witterick and Fred Gentili
- 1:24 – 1:32 p.m. Abstract #4**
Incidence and Prognostic Significance of Perineural Invasion in Patients with Paranasal Sinuses and Skull Base Cancer
Ziv Gil (presenter), Diane L Carlson, Hilda Stambuk, Amar Gupta, Nancy Lee, Bradford Hoppe, Mark H Bilsky, Jatin P Shah and Dennis H Kraus
- 1:32 – 1:40 p.m. Abstract #5**
Juvenile Nasopharyngeal Angiofibroma with Intracranial Involvement: A Series of seven Patients Treated Surgically
Nevo S Margalit (presenter), Oshri Wasserzug, Maymon Shimon, Ziv Gil, Sergei Spektor and Dan Fliss
- 1:40 – 1:48 p.m. Abstract #6**
Nasopharyngeal Angiofibroma: Prognostic Factors for Recurrence and Proposal of a Staging System
Jose F Carrillo (presenter), Oliver Albores, Margarita C Ramirez, Vincenzo Aiello and Luis F Oñate-Ocaña
- 1:48 – 1:56 p.m. Abstract #7**
The Expanded Endoscopic Transnasal Approach for the Treatment of Clival Chordomas
Amir R. Dehdashti (presenter), Konstantina Karabatsou, Ian Witterick and Fred Gentili
- 1:56 – 2:04 p.m. Abstract #8**
Endoscopic Transnasal Odontoidectomy for Cervicalmedullary Compression
Gerardo Zavala (presenter), Guy Petruzzelli, Vikram Prabhu and Russ Nockels
- 2:04 – 2:12 p.m. Abstract #9**
Endoscopic, Endonasal, Transethmoidal, Transcribriform, Transfovea Ethmoidalis Approach to the Anterior Skull Base and Anterior Cranial Fossa
Theodore H Schwartz (presenter), Seth Brown, Abtin Tabae, Ashutosh Kacker and Vijay K Anand
- 2:12 – 2:20 p.m. Abstract #10**
Bony Lesions Involving the Anterior Skull Base and Paranasal Sinuses; A Series of Our Cases with Emphasis on the Intracranial and Orbital Complications
Nevo S Margalit (presenter), Haim Ezer, Oren Cavel and Dan Fliss
- 2:20 – 2:28 p.m. Abstract #11**
Early Clinical and Endocrine Outcomes in Our First 40 Patients with Cushing's Disease and Acromegaly Treated by a Purely Endoscopic Transsphenoidal Approach
Jay Jagannathan (presenter), Adam S kanter, Steven A Newman, Edward R Laws, Jr. and John A Jane, Jr.

N A S B S S C I E N T I F I C P R O G R A M

- 2:28 – 2:36 p.m. Abstract #12**
Endoscopic Skull Base and Pituitary Surgery: Incidence and Successful Management of Complications
Paul Johnson (presenter), Seth M Brown, Abtin Tabaei, Vijay K Anand and Theodore H Schwartz
- 2:36 – 3:00 p.m. Discussion**
- 1:00 – 3:00 p.m. Preferred Papers – Oral Presentations**
(Consulate Rooms) **Scientific Session A-2 – Abstracts 13-24**
Moderators: Murali Guthikonda and Michael Shohet
- 1:00 – 1:08 p.m. Abstract #13**
Endoscopic Endonasal Resection of Esthesioneuroblastom: A Multi-Center Study
Umamaheswar Duvvuri (presenter), Ricardo L Carrau, Carl H Snyderman, Amin B Kassam, Adam Folbe, Islam R Herzallah and Roy R Casiano
- 1:00 – 1:16 p.m. Abstract #14**
Stereoscopic Three Dimensional Endoscopic Pituitary Surgery
Seth M Brown (presenter), Vijay K Anand, Abtin Tabaei and Theodore H Schwartz
- 1:16 – 1:24 p.m. Abstract #15**
Orbital Tumors Operated Using Transcranial Approaches; Our Series Of 42 Patients Operated 2003-2006
Nevo S Margalit (presenter), Haim Ezer, Erez Nosek and Dan Fliss
- 1:24 – 1:32 p.m. Abstract #16**
Nasal Morbidity Associated with Expanded Endonasal Approaches to the Skull Base
Allan Vescan (presenter), Carl Snyderman, Ricardo Carrau, Paul Gardner, Arlan Mintz and Amin Kassam
- 1:32 – 1:40 p.m. Abstract #17**
Esthesioneuroblastoma: The University of Michigan Experience 1994-2007
P. Daniel Ward (presenter) and Lawrence J Marentette
- 1:40 – 1:48 p.m. Abstract #18**
Juvenile Nasopharyngeal Angiofibroma - The Pittsburgh Experience
Trevor G Hackman (presenter), Carl H Snyderman, Ricardo L Carrau and Amin Kassam
- 1:48 – 1:56 p.m. Abstract #19**
Resection of the Odontoid Process through the Expanded Endonasal Approach: Clinical Experience from 14 Patients
Jayakar V Nayak (presenter), Paul A Gardner, Allan D Vescan, Amin B Kassam, Ricardo L Carrau, Richard M Spiro and Carl H Snyderman
- 1:56 – 2:04 p.m. Abstract #20**
Partial Mastoidectomy for the Safe Resection of Lateral Skull Base Tumors
John P Leonetti (presenter), Sam J Marzo and Neena Agarwal
- 2:04 – 2:12 p.m. Abstract #21**
Central Skull Base Osteomyelitis - Diagnosis and Treatment
Nevo Margalit (presenter), Oren Cavel, Roe Landsberg, Ziv Gil and Dan M Fliss

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- 2:12 – 2:20 p.m. Abstract #22**
Quantitative Analysis of Exposure of Staged Orbitozygomatic and Retrosigmoid Craniotomies for Lesions of the Petrous Apex and Clivus with Supratentorial and Infratentorial Extension
Andrew S Little (presenter), Nicholas C Bambakidis, Ashraf M Hassan, Pakrit Jitta, Cassius VC Reis, Neil Crawford, Mark C Preul, Pushpa Deshmukh, Joseph M Zabramski and Robert F Spetzler
- 2:20 – 2:28 p.m. Abstract #23**
A Safety Study of the Use of Vivostat® Patient-Derived Fibrin Sealant Containing Tranexamic Acid in Neurosurgery
Lars Poulsgaard (presenter), Anette Mørck and Niels Erik Holm
- 2:28 – 2:36 p.m. Abstract #24**
The No-Drill Technique of Anterior Clinoidectomy-A Skull Base Approach Tailored to Pathology
Dongwoo John Chang (presenter)
- 2:36 – 3:00 p.m. Discussion**
- 3:00 – 3:15 p.m. Refreshment Break**
(Wellington Ballroom Foyer)
- 3:15 – 5:30 p.m. Proffered Papers – Oral Presentations**
(Buckingham Room) **Scientific Session B-1 – Abstracts 25-37**
Moderators: Ehab Hanna and Raj Shrivastava
- 3:15 – 3:24 p.m. Abstract #25**
Endoscopic Transnasal Transphenoidal Resection of Clival Chordomas: Selective Use, Useful Adjunct, or a New Standard of Care?
Edward AM Duckworth (presenter), David Moller and James Chandler
- 3:24 – 3:33 p.m. Abstract #26**
Unusual Intracranial Lesions Managed with Skull Base Neurosurgical Approaches-Why We Need To Continually Emphasize Cerebrovascular/Skull Base Training in Neurosurgery
Dongwoo John Chang (presenter)
- 3:33 – 3:42 p.m. Abstract #27**
What is *the* Definition of “Competence” in Intracranial Aneurysm Surgery?
Dongwoo John Chang (presenter)
- 3:42 – 3:51 p.m. Abstract #28**
Skull Base Surgery and Venous Problems
Jan Hemza (presenter), František Maršík, Stanislav Otáhal and Jakub Otáhal
- 3:51 – 4:00 p.m. Abstract #29**
Surgical Outcomes of Drillout Procedures for Management of Complex Frontal and Skull Base Pathology
Pete S Batra (presenter), Steven B Cannady and Donald C Lanza
- 4:00 – 4:09 p.m. Abstract #30**
Purely Endoscopic Access to Posterior Fossa Pathology
Frank J Hux (presenter) and Daniel R Pieper

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- 4:09 – 4:18 p.m. Abstract #31**
Transcranial Robotic Access to the Pituitary Gland
Michael E Kupferman (presenter), Franco Demonte, Ehab Y Hanna
- 4:18 – 4:27 p.m. Abstract #32**
A Quantitative Analysis of Working Areas and Angles of Approach to the Posterior Fossa and Petroclival Region via the Retrosigmoid Approach
Nicholas C Bambakidis (presenter), Sam Safavi-Abassi, Joseph Zabramski, Mark C Preul and Robert F Spetzler
- 4:27 – 4:36 p.m. Abstract #33**
A Quantitative Anatomic and Morphometric Evaluation of the Craniocervical Junction with Specific Regard to the Vertebral Artery and Atlas
Nicholas C Bambakidis (presenter), Sam Safavi-Abbasi and Robert F Spetzler
- 4:36 – 4:45 p.m. Abstract #34**
Petroclival Meningiomas: Multimodality Treatment, and Outcomes at Long-Term Follow-Up
Sabareesh Kumar Natarajan (presenter), Laligam N Sekhar, David Schessel and Akio Morita
- 4:45 – 4:54 p.m. Abstract #35**
Tentorial Meningiomas: Strategies for Safe Surgical Resection
Khaled M Aziz (presenter), Sebastien Froelich, Philip Theodosopoulos, Jeffery T Keller and John M Tew
- 4:54 -5:03 p.m. Abstract #36**
Auditory Brainstem Implantation in Children with Cochlear Nerve Aplasia / Dysplasia : Preliminary Report of Three Cases
Scott A Rutherford (presenter), John A Thorne, Andrew T King, Michel Neeff, Martin O'Driscoll, Lise Henderson, Shakeel R Saeed and Richard T Ramsden
- 5:03 – 5:12 p.m. Abstract #37**
Selective Use of the Retrosigmoid Approach for Acoustic Neuroma
Marc S Schwartz (presenter), Jose N Fayad, Rick A Friedman, William H Slattery and Derald E Brackmann
- 5:12 – 5:30 p.m. Discussion**
- 3:15 – 5:30 p.m. Proffered Papers – Oral Presentations**
(Consulate Rooms) **Scientific Session B-2 – Abstracts 38-50**
Moderators: Thom Loree and Kris Smith
- 3:15 – 3:24 p.m. Abstract #38**
Staged Resection of Large Acoustic Neuromas: Indications, Surgical Results, Facial Nerve Outcomes, and Complications
James K Liu (presenter), Ilman Kim, Matthew A Hunt, Sean O McMenomey and Johnny B Delashaw, Jr.
- 3:24 – 3:33 p.m. Abstract #39**
The Added Value of Manual Optimization of Radiosurgery Beams
Edward Melian (presenter), Anil Sethi, Vikram Prabhu and Douglas Anderson
- 3:33 – 3:42 p.m. Abstract #40**
Comparison of Open versus Endoscopic Resection of Inverted Papilloma
Pete S Batra (presenter), Nathan B Sautter, Steven B Cannady, Martin J Citardi and Hwan-Jung Roh

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- 3:42 – 3:51 p.m. Abstract #41**
Meningoencephalocele Presenting as Orbital Varix: A Complication of Frontal Sinus Trephine
Michael R Shohet (presenter), Arthur L Jenkins III and Ebrahim Elahi
- 3:51 – 4:00 p.m. Abstract #42**
Outcome of Microsurgical Clipping of Consecutive 50 Complex Basilar Aneurysms Using the Pretemporal-Transzygomatic-Transcavernous Approach
Ali F Krisht (presenter), Niklaus Krayenbuhl, David Sercl, Kerem Bikmaz and Paulo A Kadri
- 4:00 – 4:09 p.m. Abstract #43**
The “Gasket-Seal” Watertight Closure in Endoscopic Endonasal Skull Base Surgery
Theodore H Schwartz (presenter), Seth Brown, Abtin Tabae and Vijay K Anand
- 4:09 – 4:18 p.m. Abstract #44**
Endoscopic Endonasal Approach to the Infratemporal Fossa
Lee A Zimmer (presenter), Aaron Brescia, Bharat Guthikonda, Jeffrey T Keller and Philip V Theodosopoulos
- 4:18 – 4:27 p.m. Abstract #45**
Retrospective Review of 24 Cases of Head and Neck Cancer with Skull Base Invasion
Federico L Ampil (presenter), Cherie Ann O Nathan, Gloria Caldito, Anil Nanda and Timothy S Lian
- 4:27 – 4:36 p.m. Abstract #46**
Surgical Management of Parapharyngeal Space Tumors: A 12-Year Review
Avi Khafif (presenter), Yoram Segev, Ziv Gil and Dan M Fliss
- 4:36 – 4:45 p.m. Abstract #47**
Cavernous Malformations of the Skull Base and Cranial Nerves
John B Bitner (presenter), Kerry D Olsen, Caterina Giannini, Collin LW Driscoll and Michael J Link
- 4:45 – 4:54 p.m. Abstract #48**
Expression of the Hypoxia Marker, Carbonic Anhydrase 9, Is Associated with Anaplastic Phenotypes in Meningiomas
Heon Yoo (presenter), Gilson S Baia, Justin S Smith, Michael W McDermott, Andrew W Bollen, Scott R Vandenberg, Kathleen R Lamborn and Anita Lal
- 4:54 – 5:03 p.m. Abstract #49**
New Model of Bone Reconstruction Specially Designed for Skull Base Surgery long-term testing in Primates
Cleopatra Charalampaki (presenter), Axel Heimann, Laszlo Kopacs, Axel Perneczky and Oliver Kempfski
- 5:03 – 5:12 p.m. Abstract #50**
Reconstruction Following Middle Fossa Resections
Paul J Donald (presenter), Danny Enepekides, Gregory Farwell and James Boggan
- 5:12 – 5:30 p.m. Discussion**
- 6:00 – 8:00 p.m. Wine and Cheese Reception**
(Wellington Ballroom) Exhibit Hall Opens

NASBS SCIENTIFIC PROGRAM

Saturday, May 26, 2007

7:00 – 5:30 p.m. Registration Open
(2nd Floor Registration Desk)

7:00 – 8:00 a.m. Breakfast with the Exhibitors
(Wellington Ballroom)

PLENARY SESSION #2

Moderators: Anil Nanda and Daniel Nuss

8:00 – 8:30 a.m. Invited Presidential International Lecture
(Buckingham Room) **Teamwork, Innovation and Excellence in Action: The New Chordoma Foundation Roadmap for International Chordoma Research**
Simone Sommer, MD, MPH and Josh Sommer

8:30 – 9:30 a.m. Concurrent Sessions

(Cotillion Ballroom) **Panel Discussion #3: Hearing Preservation and Restoration Following Skull Base Surgery**
Ian Storper (Moderator), Derald Brackman, Douglas Chen, Sean McMenomey, P. Ashley Wackym

(Buckingham Ballroom) **Panel Discussion #4: Malignant Tumors of the Cranial Base: Defining the Extent and Limits of Surgical Options**
Jatin Shah (Moderator), Vinod Anand, Riccardo Carrau, Eduardo Diaz, Raj Murali

9:30 – 10:15 a.m. Honored Guest Speaker
(Cotillion Ballroom) *Victor Schramm, MD*

10:15 – 10:30 a.m. Refreshment Break in the Exhibit Hall
(Wellington Ballroom)

10:30 – 11:30 a.m. Concurrent Sessions

(Cotillion Ballroom) **Panel Discussion #5: Radiosurgery in the Management of Cranial Base Neoplasms**
Edward Melian (Moderator), Randy Jensen, John Suh, Roy Tishler, Thomas Witt

(Buckingham Room) **Panel Discussion #6: Cranio-veterebral Junction Involvement in Cranial Base Neoplasms**
Arnold Menezes (Moderator), John Golfinos, Russ Nockels, Chandranath Sen,

11:30 – 12:00 noon NASBS President's Address: Teamwork, Innovation and Excellence in Skull Base Surgery
(Cotillion Ballroom) *Guy Petruzzelli, MD, PhD*

12 noon – 1:00 p.m. Lunch with the Exhibitors
(Wellington Ballroom)

1:00 – 3:00 p.m. Preferred Papers – Oral Presentations
(Buckingham Room) **Scientific Session C-1 – Abstracts 51-62**
Moderators: Eric Chang and Michael Lemole

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- 1:00 – 1:08 p.m. Abstract #51**
Zones of Exposure for Hypoglossal Nerve Lesions Using an Extended Infratemporal Fossa Approach: A Cadaveric Morphometric Analysis
James K Liu (presenter), Gregory J Anderson, Sean O McMenomey and Johnny B Delashaw, Jr.
- 1:08 – 1:16 p.m. Abstract #52**
Incidence and Management of Severe Intracranial Hypotension from Lumbar Drainage After Skull Base Surgery: Intrathecal Saline Infusion and Epidural Blood Patch
James K Liu (presenter), Ahmed M Raslan, William T Couldwell and Johnny B Delashaw, Jr.
- 1:16 – 1:24 p.m. Abstract #53**
Endoscopic Endonasal Resection of the Odontoid Process
Juan C Alzate (presenter), Chandranath Sen, Peter Costantino and Adesh Tandon
- 1:24 – 1:32 p.m. Abstract #54**
Eyelid Approach to Anterior Circulation Aneurysms
Norberto Andaluz (presenter), Mario Zuccarello and Likith Reddy
- 1:32 – 1:40 p.m. Abstract #55**
Comparison of Minimally Invasive Pituitary Surgery and Traditional Microscopic Hypophysectomy in the Treatment of Pituitary Tumors
Ali Moshaver (presenter), Srujan Ganta, Robert W Broad and Richard Liu
- 1:40 – 1:48 p.m. Abstract #56**
Technical Note: Novel Use of the Xomed Irrigating; Angled Diamond Tip Drill for Endoscopic Transoral Odontoidectomy
James J Evans (presenter), Marc R Rosen
- 1:48 – 1:56 p.m. Abstract #57**
Endoscopic Pituitary Surgery: A Meta-Analysis
Abtin Tabaee (presenter), Vijay K Anand, Yolanda Barron, David H Hiltzik, Seth Brown, Ashutosh Kacker, Madhu Mazumdar and Theodore H Schwartz
- 1:56 – 2:04 p.m. Abstract #58**
Vascularized Nasal Septal Flap for Reconstruction of Skull Base Defects following Expanded Endonasal Approaches to the Skull Base: Outcome Analysis
Allan D Vescan (presenter), Ajith Thomas, Ricardo Carrau, Carl Snyderman, Daniel Prevedello, Paul Gardner, Arlan Mintz and Amin Kassam
- 2:04 – 2:12 p.m. Abstract #59**
Intraoperative Pituitary Adenoma Identification Using Intraoperative Spectroscopic System
M Sam Eljamel (presenter), Graeme Leese and Harry Moseley
- 2:12 – 2:20 p.m. Abstract #60**
Effects of The Subcranial Approach on Facial Growth and Development
Benjamin Shlomi (presenter), Ziv Gil and Dan M Fliss
- 2:20 – 2:28 p.m. Abstract #61**
Outcome and Complications of the Extended Subcranial Approach to the Anterior Skull Base
Dan M Fliss (presenter), Ziv Gil and Nevo Margalit
- 2:28 – 2:36 p.m. Abstract #62**
Postoperative Control of Acute Pain Following Craniofacial Oncological Surgeries: A Prospective Study
Dan M Fliss (presenter), Nevo Margalit and Ziv Gil

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- 2:36 – 3:00 p.m. Discussion**
- 1:00 – 3:00 p.m. Preferred Papers – Oral Presentations**
(Consulate Rooms) **Scientific Session C-2 – Abstracts 63-74**
Moderators: James Chandler and Ted Teknos
- 1:00 – 1:08 p.m. Abstract #63**
Sparing the Eye in Craniofacial Surgery for Superior Nasal Vault Malignancies: Is It Worth It?
Garth F Essig (presenter), Steven A Newman, and Paul A Levin
- 1:08 – 1:16 p.m. Abstract #64**
The Posterior Pedicle Inferior Turbinate Flap: A New Vascularized Flap for Skull Base Reconstruction
Felipe Fortes (presenter), Ricardo Carrau, Carl Snyderman, Allan Vescan, Daniel Prevedello, Arlan Mintz, Paul Gardner, and Amin Kassam
- 1:16 – 1:24 p.m. Abstract #65**
The Expanded Endonasal Approach to the Meckel's Cave
Daniel M Prevedello (presenter), Amin Kassam, Ricardo Carrau, Carl Snyderman, Paul Gardner, Allan Vescan, Ajith Thomas, and Arlan Mintz
- 1:24 – 1:32 p.m. Abstract #66**
Update on the Use of Hydroxyapatite Granules in Aesthetic and Reconstructive Facial Surgery
Rebecca Studinger (presenter), Anil Shetty, Jason Hess, Gustavo Bello-Rojas, Arunesh Gupta, Halil I Canter, and Ian T Jackson
- 1:32 – 1:40 p.m. Abstract #67**
Transpterygoid Transposition of a Temporoparietal Fascia Flap for Skull Base Reconstruction
Daniel M Prevedello (presenter), Felipe S Fortes, Ricardo Carrau, Carl Snyderman, Arlan Mintz, Paul Gardner, Allan Vescan and Amin B Kassam
- 1:40 – 1:48 p.m. Abstract #68**
Sublabial Transmaxillary Approach to the Rostral Middle Fossa
Pankaj A Gore (presenter), Michael B Donellan, Bonnie C Ong, Thomas R Kertesz and Charles Teo
- 1:48 – 1:56 p.m. Abstract #69**
Endoscopic Expanded Endonasal Approach for Resection of Skull Base Chondrosarcomas
Paul A Gardner (presenter), Amin B Kassam, Carl Snyderman, Ricardo Carrau, Arlan Mintz and Allan Vescan
- 1:56 – 2:04 p.m. Abstract #70**
Robotic-Assisted Endoscopic Resection and Repair of the Anterior Skull Base
Ehab Y Hanna (presenter), Franco Demonte, Chris Holsinger and Michael Kupferman
- 2:04 – 2:12 p.m. Abstract #71**
Endoscopic Expanded Endonasal Approach for Resection of Skull Base Chordomas
Paul A Gardner (presenter), Amin B Kassam, Carl Snyderman, Ricardo Carrau, Arlan Mintz and Allan Vescan
- 2:12 – 2:20 p.m. Abstract #72**
Use of a Novel Robotic System for Retrosigmoid Internal Auditory Canal Decompression
Ravi N Samy (presenter) and Albert B Bosse

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- 2:20 – 2:28 p.m. Abstract #73**
Quantification of the Frontotemporal Orbitozygomatic (FTOZ) Approach Using a Three-Dimensional Visualization and Modeling Application
Anthony L D'Ambrosio (presenter), J Mocco, Todd C Hankinson, Harry R van Loveren and Jeffrey N Bruce
- 2:28 – 2:36 p.m. Abstract #74**
Delayed Facial Palsy after the Anterior Petrosal Approach
Bharat Guthikonda (presenter), Myles L Pensak and Philip V Theodosopoulos
- 2:36 – 3:00 p.m. Discussion**
- 3:00 – 3:15 p.m. Refreshment Break in the Exhibit Hall**
(Wellington Ballroom)
- 3:15 – 5:30 p.m. Preferred Papers – Oral Presentation**
(Buckingham Room) **Scientific Session D-1 – Abstracts 75-87**
Moderators: Richard Bryne and Charles Rosen
- 3:15 – 3:24 p.m. Abstract #75**
Multichannel Auditory Brainstem Implant in Japan: Factors Associated with Audiological Outcome
Hirofumi Nakatomi (presenter), Kozo Kumakawa, Masaaki Usui, Akio Morita, Kimitaka Kaga, Yojiro Seki and Atsushi Komatsuzaki
- 3:24 – 3:33 p.m. Abstract #76**
Risk of Recurrence and Regrowth after Acoustic Neuroma Resection
Hirofumi Nakatomi (presenter), Michael J Ebersold, Stephen G Harner, Corin D Doriscoll and Michel J Link
- 3:33 – 3:42 p.m. Abstract #77**
The Management of Foramen Magnum Meningiomas: Surgical Approach and Outcome.
Konstantina Karabatsou (presenter), Amir R Dehdashti, Ahmed Ganna and Fred Gentili
- 3:42 – 3:51 p.m. Abstract #78**
Petroclival Meningiomas: Surgical Approach and Outcome
Ahmed A Ganna (presenter), Amir R Dehdashti, Konstantina Karabatsou and Fred Gentili
- 3:51 – 4:00 p.m. Abstract #79**
Trautman's Triangle and the Transpetrosal Approaches: An Anatomical Study
Cassius VC Reis (presenter), Joseph M Zabramski, Sam Safavi-Abassi, Pushpa Deshmukh, Robert F Spetzler and Mark C Preul
- 4:00 – 4:09 p.m. Abstract #80**
Comparative Analysis between Retrosigmoid Approach and Lateral Supracerebellar Infratentorial Approaches along the Lateral Surface of Ponto-Mesencephalic Junction: A Different Perspective
Pakrit Jittapiromsak (presenter), Pushpa Deshmukh, Andrew Little, Robert F Spetzler and Mark C Preul
- 4:09 – 4:18 p.m. Abstract #81**
Patient Satisfaction Outcomes of Bone-Anchored Hearing Aid Provision for Unilateral Deafness Following Acoustic Neuroma Surgery
Charlotte L Ward (presenter), Anthony D Morley, Simon Hogan, Alison Burchett, Nick C Saunders and Robert M Tranter

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- 4:18 – 4:27 p.m. Abstract #82**
Petrous Meningiomas
Burak Sade (presenter) and Joung H Lee
- 4:27 – 4:36 p.m. Abstract #83**
Posterior Midline Approach for Large Anterior/Anterolateral Foramen Magnum
Varinder Kumar Khosla (presenter), Sunil Kumar Gupta, Rajesh Chhabra and Kanchan Kumar Mukherjee
- 4:36 – 4:45 p.m. Abstract #84**
Infra-and Supra Tentorial Enterogenous Cyst
Marco Marchionni (presenter), Colin Smith and M. Sam Eljamel
- 4:45 – 4:54 p.m. Abstract #85**
Craniovertebral Junction Tuberculosis: Is Surgery Required?
Kanchan Kumar Mukherjee (presenter), Sunil Kumar Gupta Sandeep Mohindra, Virender Kumar Khosla, Rahul Gupta, Manoj Kumar Tewari, Ashis Pathak, Niranjana Khandelwal, Suresh Narain Mathuriya and Rajesh Chhabra
- 4:54 – 5:03 p.m. Abstract #86**
Minocycline as a Neuroprotective Perioperative Antibiotic in Skull Base Tumors and Prevention of Delayed Facial Palsies (in Acoustic Neuromas), a Before and After Study
Ryan Janicki (presenter), Dan Warren, Brian Westerberg and Ryojo Akagami
- 5:03 – 5:12 p.m. Abstract #87**
Internal Auditory Canal Decompression for the Control of Vertigo and Hearing Loss in Osteopetrosis
Jack A. Shohet (presenter) and Mark E. Linskey
- 5:12 – 5:30 p.m. Discussion**
- 3:15 – 5:30 p.m. Preferred Papers – Oral Presentations**
(Consulate Rooms) **Scientific Session D-2 – Abstracts 88-100**
Moderators: Amin Kassam and Jacques Morcos
- 3:15 – 3:24 p.m. Abstract #88**
Use Of U-Clip™ Sutures for Endoscopic Transnasal Repair of Ethmoid Meningoencephalocele
James J Evans (presenter), Gentian Toshkezi, Julie Wright and Marc R Rosen
- 3:24 – 3:33 p.m. Abstract #89**
A Technique for a Medial Supraorbital Craniotomy through a Medial Eyebrow Skin Incision to Approach the Anterior Fossa
David S Rosen (presenter), Stephen Shafizadeh, Richard G Fessler and Bakhtiar Yamini
- 3:33 – 3:42 p.m. Abstract #90**
Carotid Artery Injury: An Uncommon Complication of Endoscopic Transnasal Cranial Base Procedures
James J Evans (presenter), Gentian Toshkezi and Marc R Rosen
- 3:42 – 3:51 p.m. Abstract #91**
Tranexamic Acid Infusion Reduces the Rate of Human Blood Product Transfusion During Skull Base Tumour Surgery
Peter A Gooderham (presenter) and Ryojo Akagami

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- 3:51 – 4:00 p.m. Abstract #92**
Ocular Coherence Tomography in the Assessment of Meningiomas
Steven A Newman (presenter)
- 4:00 – 4:09 p.m. Abstract #93**
Bone Regrowth Using a Pleuripotent Stem Line Derived from Peripheral Adipose Tissue
Jason Hess (presenter), Gustavo Bello-Rojas, Rebecca Studinger, Anil Shetty, Arunesh Gupta, Halil I Canter and Ian T Jackson
- 4:09 – 4:18 p.m. Abstract #94**
Predictors of Short-Term Outcomes following Endoscopic Pituitary Surgery
Abtin Tabaee (presenter), Vijay K Anand, Yolanda Barron, Seth Brown, Madhu Mazumdar and Theodore H Schwartz
- 4:18 – 4:27 p.m. Abstract #95**
Multidisciplinary Management of Sinonasal Undifferentiated Carcinoma
Vu T Ho (presenter), Daniel Ward, Erin Lin, Jason A Heth, Janet Urban and Lawrence J Marentette
- 4:27 – 4:36 p.m. Abstract #96**
Taming The Cavernous Sinus: Technique of Hemostasis Using Fibrin Glue
Ali F Krisht (presenter), Niklaus Krayenbuhl, Ahmad Hafez and Juha Hernesniemi
- 4:36 – 4:45 p.m. Abstract #97**
Retromandibular Fossa Approach to the Cervical Internal Carotid Artery
Yusuf Izci (presenter), Roham Moftakhar, Mark Pyle and Mustafa K Baskaya
- 4:45 – 4:54 p.m. Abstract #98**
Determination of Prognostic Markers of Skull Base Tumors
Lamont R Jones (presenter), Lawrence J Marentette, Victor Elner, Patrick Guffey, Katrina G Cordell, Preetha P Kanjirath, Thomas E Carey and Andrew Flint
- 4:54 – 5:03 p.m. Abstract #99**
The Fate Of Autogeneous Free Fat Grafts after Skull Base Surgery
Yury A Shulev (presenter) and Ovanes R Akobyan
- 5:03 – 5:12 p.m. Abstract #100**
The Role of Developmental Genes in Chordoma
Michael J Kelley (presenter), Josh Sommer, Sufeng Li, Enyu Ding and Fan Dong
- 5:12 – 5:30 p.m. Discussion**
- 6:00 – 10:00 p.m. Annual Reception and Banquet**
(Cotillion Ballroom) Awards Presentation

N A S B S S C I E N T I F I C P R O G R A M

Sunday, May 27, 2007

7:00 – 12 noon Registration Open

(2nd Floor Registration Desk)

7:30 – 8:30 a.m. Breakfast Seminar Sessions

(Buckingham Room) **Breakfast Seminar #4: Management of Jugular Foramen Tumors**

John Leonetti (Moderator), John Buatti, Michael Chicoine, Ricardo Ramina

(Consulate Rooms) **Breakfast Session #5: Facial Reanimation following Cranial Base Surgery**

Ritvik Mehta (Moderator), Tessa Hadlock, Carl Heilman, Dan Nuss, Darl Vandevender

(Mayfair Room) **Breakfast Seminar #6: Cranial Base Reconstruction**

Peter Costantino (Moderator), Dan Fliss, Ian Jackson, John Jane, Sr., Peter Neligan

Plenary Session #3

Moderators: Saleem Abdulrauf and Jacques Morcos

8:30 – 9:30 a.m. Honored Guest Speaker:

(Cotillion Ballroom) Bahman Emami, MD

9:30 – 10:15 a.m. The Logistics of Establishing and Leading a Skull Base Program

(Cotillion Ballroom) Thomas Origiano (Moderator), Paul Camarata, William Couldwell, Ehab Hanna, Charles Moore

10:15 – 10:30 a.m. Refreshment Break in the Exhibit Hall

(Wellington Ballroom)

10:30 – 11:00 a.m. Emerging Technologies in Cranial Base Imaging

(Cotillion Ballroom) Mark Linskey

11:00 a.m. – 12 noon Concurrent Sessions

(Cotillion Ballroom) **Panel Discussion #7: Facial Pain Syndromes**

Nicholas Boulis (Moderator), Douglas Anderson, Andre Machado, Konstantin Slavin, Mario Zuccarello,

(Buckingham Room) **Panel Discussion #8: Infratemporal Fossa Malignancies**

Gady Har-El (Moderator), Ezra Cohen, Robert Haddad, Thomas McCaffrey, Michael O'Leary, Mark Varvares

12 noon Meeting Adjourned

SCIENTIFIC POSTERS

Scientific Posters

The scientific posters will be displayed throughout the meeting.

Posters 101-144

Abstract #101

Transnasal Endoscopic Removal of Orbital, Ethmoidal Sinus and Anterior Skull Base Foreign Body with Mucocele Formation.

Colin D Pero (presenter) and Daniel W Nuss

Abstract #102

Bilateral Glomus Jugularae Parangliomas Treated with Fractionated Stereotactic Intensity Modulated Radiotherapy (IMRT) In a Patient with Past History Bilateral Carotid Body Tumors

Edward Melian MD (presenter), John Leonetti MD, Elke Aippersbach MD, Anil Sethi PhD, Douglas Anderson MD and Bahman Emami MD

Abstract #103

Unusual Presentations of Skull Base Dural Cavernous Fistulae

Sebastian F Koga (presenter) and Steven A Newman

Abstract #104

Postoperative Activity Restrictions following Endoscopic Repair of CSF Rhinorrhea: A Survey of Rhinologic and Skull Base Surgeons

Ryan S Borress (presenter), Ameet R Kamat and Gady Har-El

Abstract #105

Postoperative Intracranial Bleeding after Huge Meningioma Surgery

Seon-Hwan Kim (presenter), Shi-Hun Song, Seung-Won Choi, Jin-Young Youm, Hyun-Song Koh and Youn Kim

Abstract #106

The Use of Lateral Temporal Bone Resection in the Management of Malignancies of the Ear and Temporal Bone: A Review of Survival

Michael G Moore (presenter), Daniel G Deschler, Michael J McKenna, Mark A Varvares and Derrick T Lin

Abstract #107

Use of Nasal Trumpets for Airway Diversion in Anterior Craniofacial Resections

Carol M Lewis (presenter), Derrick T Lin and Daniel G Deschler

Abstract #108

Dissecting Aneurysm of the Middle Cerebral Artery Anterior Temporal Branch: A Case Report

Veysel K Bikmaz (presenter), Celal Iplikcioglu, Erdinc Ozek, Cem Dinc and Ozenc Minareci

Abstract #109

Giant Cell Tumor of the Jugular Foramen

Masoud Motasaddi Zarandy (presenter), M T Khorsandi,

N – Yazdani and M Saeedi

Abstract #110

Lung Carcinoma with Metastasis to Seventh Cranial Nerve

Pelagia E Kouloumberis (presenter), Faris J Fakhoury and G. Michael Lemole

SCIENTIFIC POSTERS

Abstract #111

Recurrent Metastatic Breast Cancer Presenting as Frontoethmoid Sinusitis with Sagittal Sinus Thrombosis: A Case Report
Joshua B Silverman (presenter) and Stacey Gray

Abstract #112

Clivus Fibrosis: Natural History of a Benign Condition Mimicking Chordoma
Iman Feiz-Erfan (presenter), Robert F Spetzler, Randall W Porter, William L White, Joseph E Heiserman and Stephen W Coons

Abstract #113

Primary Petroclival Melanoma: Case Report
Jie Tang (presenter), Junting Zhang, Zheng Wu and Liwei Zhang

Abstract #114

Vascular Compression Zone Study of Hemifacial Spasm (HFS)
Yury A Shulev (presenter) and Konstantin S Gordienko

Abstract #115

The Trans-sylvian-Perforator Approach to the Thalamo-Mesencephalic Junction: Technical Note of a New Approach
Iman Feiz-Erfan (presenter), Eric M Horn and Robert F Spetzler

Abstract #116

Prognostic Factors of Patients with Petroclival Meningiomas
Junting Zhang (presenter), Zhen Wu, Guijun Jia, Liwei Zhang and Zhongcheng Wang

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Conductive Hearing Conservation in Glomus Jugulare Tumors: A Case Report Describing Reconstruction of the Conductive Hearing Apparatus.
Matthew J Bak (presenter) and Paul O Dutcher

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Vidian Canal: Analysis and Relationship to the Internal Carotid Artery
Allan D Vescan (presenter), Carl H Snyderman, Ricardo Carrau, Barton Branstetter, Arlan Mintz, Paul Gardner and Amin Kassam

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Microsurgical Treatment of Small Acoustic Neuromas
Bharat Guthikonda (presenter), Myles L Pensak, Ravi N Samy and Philip V Theodosopoulos

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Minimally Invasive Procedures in Sellar and Parasellar Tumor Surgery
Ante Melada (presenter), Josip Paladino and Andrej Desnica

Abstract #121

Minimally Invasive Trans-sphenoidal Surgery
Marc R Rosen (presenter), Kapil Saigal, Sonia Chaudry and James J Evans

Abstract #122

Feasibility and Safety of Transnasal Resection Of Meningiomas
Seth M Brown (presenter), Vijay K Anand, Abtin Tabaee and Theodore H Schwartz

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Ten-Year Follow-Up Results of Craniofacial Procedures
Ian T Jackson (presenter) and Halil I Canter

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Abstract #124

Outpatient Endoscopic Evaluation of Skull Base Repairs following Minimally Invasive Trans-sphenoidal Pituitary Surgery
Marc R Rosen (presenter), Kapil Saigal and James J Evans

Abstract #125

Neurosurgical Training-Lab in St-Petersburg (Second Year Of Work)
Jamil A Rzaev (presenter), Victor V Rudenko, Aleksey I Gayvoronsky and Olga V Rzaeva

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The Anatomy of the Ascending Pharyngeal Artery and Its Implication for Neurosurgical and Endovascular Procedures
Daniel Cavalcanti (presenter), Cassius VC Reis, Ricardo Hanel, Sam Safavi-Abassi, Pushpa Deshmukh, Robert F Spetzler and Mark C Preul

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Andrew T King (presenter), Gareth Evans, Shakeel R Saeed, Paolo Perrini, Richard T Ramsden, Scott A Rutherford

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Esthesioneuroblastoma: The Massachusetts General Hospital and Massachusetts Eye and Ear Infirmary Experience with Craniofacial Resection, Proton Beam Radiation and Chemotherapy.
Anthony C Nichols (presenter), Annie Chan, William T Curry, Daniel G Deschler and Derrick T Lin

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Antelolateral Thigh Free Flap Reconstruction after Temporal Bone Resection
Jose A Sanclement, MD (presenter), Daniel G Deschler MD, Michael J McKenna MD and Derrick T Lin MD

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Rosai-Dorfman Disease of the Sella following Resection of a Nonfunctional Pituitary Adenoma: Case Report
Iman Feiz-Erfan (presenter), Janet M Bruner, Ralph G Dacey Jr. and Ian E McCutcheon

Abstract #131

Extent of Resection During Endoscopic Trans-sphenoidal Pituitary Surgery with Intraoperative Magnetic Resonance Imaging
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Abstract #132

Quality of Life in Patients after Pure Endoscopic Trans-sphenoidal Resection of Pituitary Adenomas
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Dilemma in Therapeutic Management in Ear Cancer
Sung Huhn Kim (presenter), Won-Sang Lee, Jong Dae Lee, Ho-Ki Lee and In-Seok Moon

Abstract #134

Acquisition of Surgical Skills for Endonasal Skull Base Surgery: A Training Program
Arlan Mintz (presenter), Carl Snyderman, Amin B Kassam, Ricardo Carrau, Paul Gardner and Allan Vescan

Abstract #135

Endoscopic, Expanded Endonasal Approach for Anterior Skull Base Lesions
Amin B Kassam (presenter), Ajith Thomas, Paul Gardner, Carl Snyderman, Ricardo Carrau, Arlan Mintz, and Allan Vescan

Abstract #136

Unilateral Middle Ear Effusion: An Early Indication of Occult Skull Base Tumors
John P Leonetti (presenter), Sam J Marzo, Troy Woodard

SCIENTIFIC POSTERS

Abstract #137

Optimizing the Nasoseptal Flap for Skull Base Reconstruction

Carlos D Pinheiro-Neto (presenter), Daniel M Prevedello, Ricardo L Carrau, Carl H Snyderman, Arlan Mintz, Paul Gardner, Ajith J Thomas and Amin B Kassam

Abstract #138

Pituitary Transposition

Daniel M Prevedello (presenter), Amin B Kassam, Ajith J Thomas, Paul Gardner, Arlan Mintz, Carl Snyderman and Ricardo Carrau

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Long-Term Results of Craniofacial Implantation: A Return to Methylmethacrylate

Anil Shetty (presenter), Jason Hess, Rebacca Studinger, Gustavo Bello-Rojas, Arunesh Gupta, Halil I Canter and Ian T Jackson

Abstract #140

Orbitocranial Penetrating Trauma by a Tree Branch: Case Report and Literature Review

Clara R Epstein MD (presenter) and Dongwoo J Chang MD, FRCS(C)

Abstract #141

Facial Swing for Central and Lateral Skull Base Exposure

Ian T Jackson MD (presenter), Daniel R Pieper MD and Barbara J Beal RN

Abstract #142

Surgical Treatment of Anterior Cranial Fossa Meningiomas: Complications and Outcome


Vijayakumar Javalkar (presenter) and Anil Nanda

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How to Prevent Intracranial Infection in Anterior Skull Base with Simultaneous Nasal Cavity Surgery

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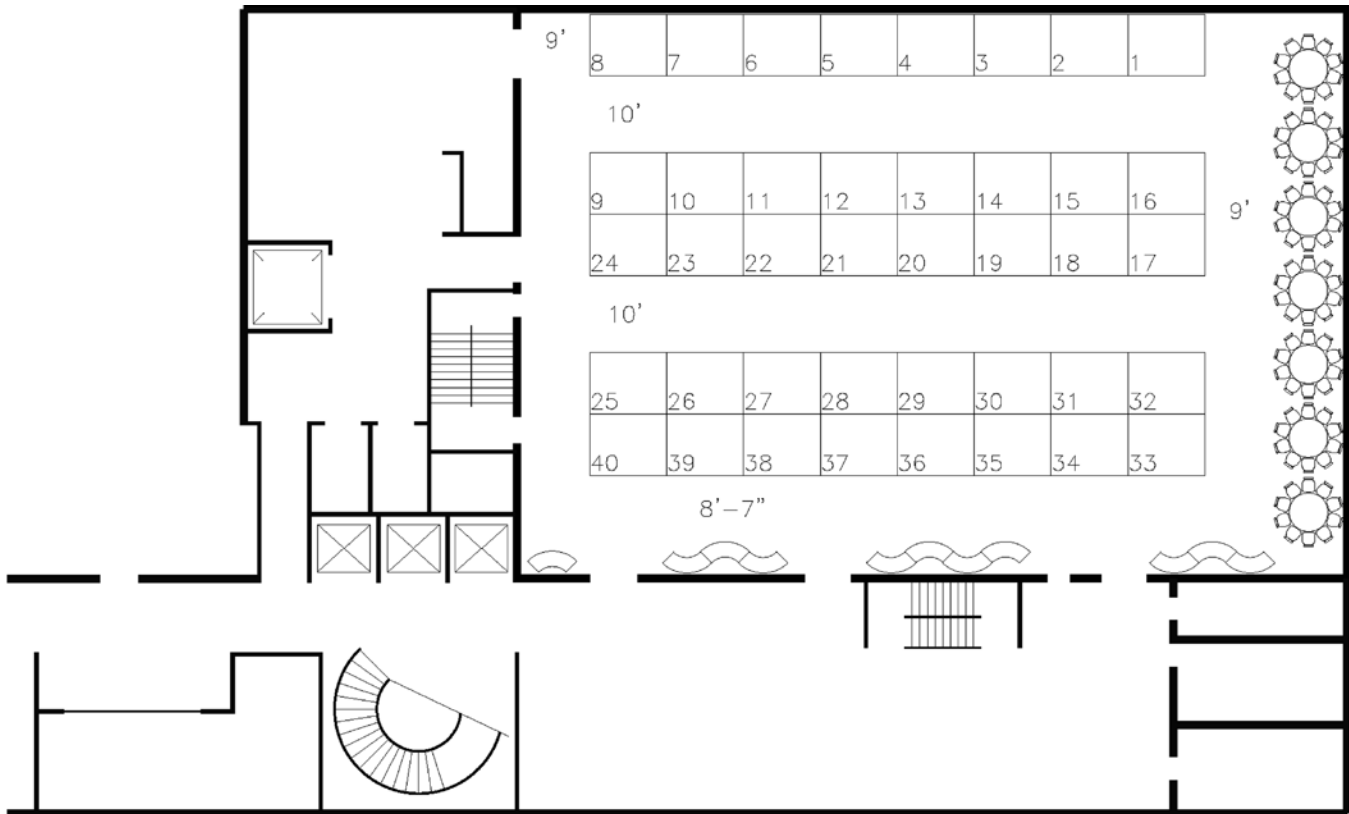


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- To promote the public welfare through the advancement of skull base surgery and related sciences.
- To disseminate information about the anatomy physiology and clinical management of diseases involving the skull base.
- To promote education and basic and clinical research relating to diseases of the skull base.
- To promote mutual fellowship and cooperation among various scientific disciplines and organizations.
- To support, coordinate, and enhance efforts to generate scientific information useful to specialists in the care of diseases of the skull base.

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Individuals with backgrounds in neurosurgery, otolaryngology, head & neck surgery, radiology, neuroradiology, otology, neurotology, plastic & reconstructive surgery, and others interested in skull base diseases are welcome to apply.

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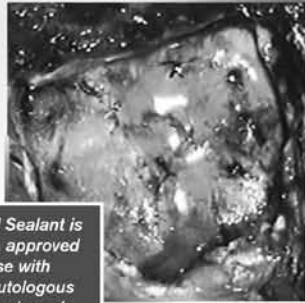
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