

# Antonio Bernardo, M.D.

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Antonio Bernardo is a highly distinguished, award winning neurosurgeon, who pioneered the use of 3D technology in neurosurgery. Dr. Bernardo trained under some of the world's leading neurosurgeons and is internationally recognized for his outstanding contribution to the field of neurosurgery. He has trained more than 4,000 neurosurgeons internationally in his surgical courses and as a result of his pioneering approach to education Dr Bernardo has frequently been invited as an honored speaker in numerous countries. His clinical expertise is demonstrated by his academic appointments, extensive teaching history, and collection of published works. Dr. Bernardo serves as neurosurgical consultant in many countries and currently serves on the Faculty of Neurological Surgery at the distinguished Weill Cornell Medical College in New York, where he is the Director of the Surgical Innovations Laboratory. Dr. Bernardo remains highly regarded and sought after as a leading expert in skull base neurosurgery.

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## Background Information

Received M.D. in 1990. Native Italian. Fluent in English and Spanish, Fair French and Portuguese language skills

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## Professional Memberships

- Diplomate, Italian Board of Neurological Surgery
- General Medical Council - UK
- Register of Neurosurgeons of the United Kingdom
- Italian Register of Surgeons
- Peruvian Association of Neurological Surgeons
- Peruvian Academy of Surgery
- Caribbean Association of Neurological Surgeons
- Venezuelan Association of Neurological Surgeons
- Dominican Association of Neurological Surgeons
- Congress of Neurological Surgeons, US

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## Present Appointments

**Asst. Professor of Neurological Surgery, Director Microneurosurgery Skull Base Laboratory** 2004 - Present  
Weill Medical College of Cornell University, Department of Neurosurgery New York, NY

**Neurosurgical Consultant** 2000-Present  
Argentina, Brazil, Colombia, Mexico, Chile, Venezuela, Spain, Egypt, Saudi Arabia, China

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## Prior Appointments

**Clinical Consultant** 2008 - 2011  
The Anspach Companies Palm Beach, FL

**Clinical Consultant** 2002 - 2006  
Medtronic / Midas Rex Fort Worth, TX

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<b>Robert F. Spetzler Skull Base Surgery Fellow</b> Barrow Neurological Institute Department of Neurosurgery	2001 - 2003 Phoenix, AZ
<b>Director, Microneurosurgery Skull Base Laboratory</b> University of Medicine and Dentistry of New Jersey, Division of Neurosurgery	2000 - 2001 Newark, NJ
<b>Instructor, Clinical Surgeon</b> Foundation for International Education of Neurological Surgery (FIENS)	1999 - 2000 Peru

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### Postdoctoral Training

<b>Scholar, Clinical Instructor, Co-Director of Skull Base Laboratory</b> University of California at Irvine Department of Neurosurgery	1996 - 1999 Irvine, CA
<b>Clinical Fellow, Chief Neurological Surgery Resident</b> Western General Hospital Department of Neurosurgery	1994 - 1996 Edinburgh, Scotland
<b>Neurological Surgery Resident</b> University of Naples Department of Neurosurgery	1991 - 1994 Naples, Italy
<b>General Surgery Internship Rotation</b> University of Naples Department of Emergency Surgery	1990 - 1991 Naples, Italy

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### Education

<b>Diploma of Italian Board of Neurological Surgery (Summa cum laude)</b> Faculty of Medicine and Surgery, University of Naples Federico II	1991 - 1996 Naples, Italy
<b>Diploma of Professional Qualification</b> Faculty of Medicine and Surgery, University of Naples Federico II	1991 Naples, Italy
<b>Doctor of Medicine and Surgery</b> Faculty of Medicine and Surgery, University of Naples Federico II	1983 - 1990 Naples, Italy
<b>Diploma di Maturita' Classica (Classical Humanistic Lycee) (Top Honors)</b> Giordano Bruno Institute	1991 - 1994 Maddaloni, Italy

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### Postgraduate Research Experience

<b>Director, Microneurosurgery Skull Base Laboratory</b> Weill Medical College of Cornell University, Department of Neurosurgery The Skull Base Laboratory is a state of the art facility where neurosurgical fellows are trained from all over the world. The laboratory integrates exquisite cadaveric dissections, 3-D visualization, virtual reality, and computerized simulation for training of surgical procedures and visuospatial skills and to investigate new	2004 - Present New York, NY
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surgical routes to access intracranial targets.

**Department of Neurosurgery Researcher, Supervised by Dr. Robert F. Spetzler** 2001 - 2003  
Barrow Neurological Institute Phoenix, AZ

Developed a three-dimensional surgical simulator to teach surgeons the visual-spatial skills required to perform skull base surgical approaches. The project is called interactive virtual dissection (IVD) and integrates cadaveric dissections, 3-D visualization, virtual reality, and computerized simulation for training of surgical procedures.

**Department of Neurosurgery Researcher, Supervised by Dr. Mario Ammirati** 2000 - 2001  
University of Medicine and Dentistry of New Jersey / Robert Wood Johnson Medical School Camden, NJ

Study of intracranial microsurgical anatomy with computerized 3D reconstruction.

**Department of Neurosurgery Researcher, Supervised by Dr. Mario Ammirati** 1997 - 1999  
University of California at Irvine Department of Neurosurgery Irvine, CA

Study of intracranial microsurgical anatomy with computerized 3D reconstruction.

**Department of Clinical Neurosciences Researcher, Supervised by Prof. J. Douglas Miller** 1994 - 1996  
Western General Hospital Edinburgh, Scotland

Followed subarachnoid hemorrhage and head injured patients for secondary insults using the Edinburgh computerized monitoring system. Evaluating a new system for measuring intracranial compliance in patients with a variety of brain disorders (Spiegelberg brain pressure system). Coordinated the ROCHE multinational clinical trial to assess the efficacy of an Endothelin antagonist (Bosentan) in SAH, WFNS grades IV and V.

**Department of Neurosurgery Researcher** 1990 - 1994  
University of Naples Naples, Italy

Researched wave-form analysis of intracranial pressure, volume pressure response. Studied the differential ecotomographic morphology of intracranial structures, normal and pathologic, using intraoperative ultrasound. Performed ecotomographic evaluation pre and post endoarterectomy.

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## Postgraduate Research Experience

**Neuro-immuno-hisochemistry and Neuropathology Laboratory Researcher** 1986 - 1990  
University of Naples Federico II Naples, Italy

Performed in vitro cell cultures of brain tumors and evaluated expression of hormone receptors in intracranial meningiomas.

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## Teaching Experience

March 2013 Course Director: Depuy Synthes Workshop on Approaches to the Skull Base for neurotologists, Palm Beach, FL.

March 2013 Course Director: Depuy Synthes Workshop on Skull Base Surgery for neurosurgeons, Palm Beach, FL.

January 2013 Faculty at the course on Surgical Approaches to the anterior circle of Willis, Naples, Italy.

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January 2013	Faculty at the senior neurosurgical resident course on Essential Cranial base Techniques for Microneurosurgery, Palm Beach, FL.
January 2013	Faculty at NYU Approaches to the Skull Base Senior Neurotology Residents Course, Palm Beach, FL.
December 2012	Course Director: 7 <sup>th</sup> Cornell Surgical Approaches to the Skull Base. Hands-on course with 3D technology at Weill Cornell Medical College, NY.
October 2012	Course Director: Cornell / American Austrian Foundation Annual Seminar for Neurosurgery, Salzburg, Austria.
September 2012	Course Director: Depuy Synthes Workshop on Skull Base Surgery, Palm Beach, FL.
July 2012	Visiting Professor at University of Sassari, Italy. Lectures on neurosurgical anatomy to medical students and residents.
July 2012	Invited faculty at XIV Microsurgery and Skull Base Surgery Course, L'Aquila, Italy
May 2012	Course Director: Synthes Symposium on Skull Base Surgery and Neurotrauma, Medellin, Colombia.
April 2012	Course Director: Synthes Symposium on Skull Base Surgery and Neurotrauma, Lima , Peru.
December 2011	Course Director: 6 <sup>th</sup> Cornell Surgical Approaches to the Skull Base. Hands-on course with 3D technology at Weill Cornell Medical College, NY.
November 2011	Faculty at The Anspach Skull Base Surgery Course for senior ENT residents, Palm Beach, FL.
October, 2011	Co-director of the course on Skull Base Pterional and Cranio-spinal Postero-lateral Approaches, at the EANS meeting, Rome, Italy.
September 2011	Course Co-Director: 3D Temporal Bone Anatomy at the 28 <sup>th</sup> Politzer Society Meeting, Athens, Greece.
July 2011	Invited faculty at XIV Microsurgery and Skull Base Surgery Course, L'Aquila, Italy.
March 2011	Course Director: 5 <sup>th</sup> Cornell Surgical Approaches to the Skull Base. Hands-on course with 3D technology at the Anspach Laboratories, Palm Beach, FL.
December, 2010	Faculty at the course on Surgical Approaches to the 3 <sup>rd</sup> ventricle, Naples, Italy.
November 2010	Faculty at The Anspach Skull Base Surgery course for senior ENT residents and senior neurosurgical residents, Palm Beach, FL.
September 2010	Course Director: Surgical Approaches to the Skull Base in Santo Domingo, D.R.
July 2010	Faculty at The Anspach Skull Base Surgery course for senior ENT residents and senior neurosurgical residents, Palm Beach, FL.
February 2010	Course Director: 4 <sup>th</sup> Cornell Surgical Approaches to the Skull Base. Hands-on course with 3D technology at the Anspach Laboratories, Palm Beach, FL.
November 2009	Faculty at The Anspach Skull Base Surgery Course for senior ENT residents and senior neurosurgical residents, Palm Beach, FL.
November 2009	Course Director: Surgical Approaches to the Skull Base in Cali, Colombia.
September 2009	Invited faculty at 2 <sup>nd</sup> interdisciplinary AO course 2009 on Skull Base Surgery / Approaches to the Lateral Skull Base, Vienna, Austria.
August 2009	Invited faculty at the course on Cerebral Aneurysms in Lima, Peru.
July 2009	Invited faculty at the course on Surgical Approaches for Cerebral aneurysms in Sao Paulo, Brazil.

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- July 2009 Faculty at The Anspach Skull Base Surgery Course for senior ENT residents and senior neurosurgical residents, Palm Beach, FL.
- April 2009 Faculty at 1st International Skull Base Surgery Course & Workshop, at the Military Hospital in Riyadh, Saudi Arabia.
- March 2009 Course Director: Surgical Approaches to the Skull Base, Cartagena & Barranquilla, Colombia.
- February 2009 Course Director: 3<sup>rd</sup> Cornell Surgical Approaches to the Skull Base. Hands-on course with 3D technology at the Anspach Laboratories, Palm Beach, FL.
- November 2008 Faculty at The Anspach Skull Base Surgery Course for senior ENT residents and senior neurosurgical residents, Palm Beach, FL.
- October 2008 Course Director: Pre-congress Course on Skull Base Surgery at the Congress of Latin American Neurosurgical Federation in Bogota, Colombia.
- October 2008 Invited Faculty at the Surgery of the Skull Base and Cisterns course at Menaggio, Como, Italy.
- July 2008 Invited Faculty at the Advanced Skull Base Course at University La Sapienza, Rome, Italy.
- July 2008 Faculty at The Anspach Skull Base Surgery course for senior ENT residents and senior neurosurgical residents, Palm Beach, FL.
- March 2008 Invited Faculty at the Surgery of the Skull Base and Cisterns course at Hospital Le Molinette, University of Turin, Italy.
- December 2007 Course Director: Surgical Approaches to the Skull Base. Hands-on course with 3D technology at Cornell University, NY.
- July 2007 Faculty at The Anspach Skull Base Surgery course for senior ENT residents and senior neurosurgical residents, Palm Beach, FL.
- December 2006 Course Director: Surgical Approaches to the Skull Base. Hands-on course with 3D technology at Cornell University, NY.
- November 2006 Faculty at The Anspach Skull Base Surgery course for senior neurosurgical residents, Palm Beach, FL
- July 2006 Faculty at The Anspach Skull Base Surgery course for senior residents, Palm Beach, FL.
- December 2005 Course Director: Pre-Congress Course on Skull Base Surgical Anatomy and Virtual Reality at the National Italian Congress of Neurological Surgeons in Turin, Italy.
- November 2005 Course Director: pre-congress course on Skull Base Surgery at the XII National Peruvian Congress of Neurological Surgeons in Lima, Peru.
- November 2005 Faculty at The Anspach Skull Base Surgery course for senior residents, Palm Beach, FL.
- September 2005 Course Director: Skull Base Surgical Course at the National meeting for neurosurgical residents in Mexico City.
- July 2005 Faculty at The Anspach Skull Base Surgery course for senior residents, Palm Beach, FL.
- July 2005 Course Director: Pre-Congress Course on Skull Base Surgery at the XVIII National Mexican Congress of Neurological Surgeons in Merida, Mexico.
- June 2005 Faculty at the Management of Challenges in Otolaryngology-Head and Neck Surgery Course at Cornell University, NY.
- May 2005 Course Director: Skull Base Surgical Approaches at the Universita Pontificia Catolica of Santiago, Chile.
- May 2005 Faculty at the Advanced Endoscopic Skull Base Surgery Course at the University of Cornell,

	New York, NY.
January 2005	Visiting Professor at the University of Guadalajara. Co-director (with Dr. AJ Rothon) of a 3-days skull base surgery dissection course (with 3D technology). Guadalajara, Mexico.
October 2004	Course Director: 2 days pre-congress 3D course on Skull Base Surgery at the Congress of Latin American Neurosurgical Federation in Panama City, Panama.
October 2004	Course Director: 1 day workshop on application of powered surgical instruments in neurosurgery in Santa Cruz, Bolivia.
August 2004	Course Director: skull base dissection course" at the Hospital General of Mexico, Mexico.
July 2004	Directed 3 surgical workshops at 3 different hospitals, Red Cross Hospital, the Hospital Los Angeles Pedrogal in Mexico City, and at the General Hospital, in Toluca, Mexico.
June 2004	Course Director: 2 days Temporal Bone Dissection Course with 3D Technology, sponsored by the Medical School of the Hospital de Especialidades del Centro Medico, in Mexico City.
June 2004	Course Director: Surgical course on Transpetrosal Approaches in Skull Base Surgery at the National Social Security Hospital " Civil Nuevo", in Guadalajara, Mexico.
May 2004	Course Director: Surgical course (with 3D technology) on Dissection of the Temporal Bone, at the Medical School of the University of Nuevo Leon in Monterrey, Mexico.
April 2004	Course Director: 2-days workshop on application of powered surgical instruments in neurosurgery, Guadalajara, Mexico.
March 2003	Visiting Professor at the University of Illinois at Peoria.
March 2003	Course Director: Dissection course on Transpetrosal Approaches to the Base of the Skull at the International Meeting of Otolaryngology in Bogota, Colombia.
February 2003	Faculty at the Skull Base Surgery Workshop, Barrow Neurological Institute, Phoenix, AZ.
January 2003	Course Director: Dissection course (with virtual reality technology) on Skull Base Surgery at the International Meeting of Neurosciences, Mona-Kingston, Jamaica.
December 2002	Course Director: Dissection course (with 3D technology) on Surgical Approaches to the Base of the Skull at the University of Bucaramanga, Colombia.
October 2002	Course Director: 2 days Pre-congress Course on Skull Base Surgery at the Congress of Latin American Neurosurgical Federation in Lima, Peru.
May 2002	Course Director: Transpetrosal Approaches to the Clivus at University of Caracas, Venezuela.
November 2001	Course Director: Workshop on Dissection of Cavernous Sinus and Parasellar Region at the XVIII international Symposium in Neurosurgery in Bogota, Colombia.
March 2001	Course Director: Temporal Bone Dissection Course at the III International Meeting of Neurosciences in Bogota, Colombia.
August 2000	Course Director: Temporal Bone Dissection Course at the Annual Meeting of the Colombian Congress of Neurosurgeons in Medellin, Colombia.
1999-2000	Course Director: Skull Base Surgery Courses at various hospitals surrounding Lima, Peru.
1997-1999	Organized and co-directed monthly dissection courses on skull base surgery for neurosurgical residents at University of California, Irvine.
1993-1994	Clinical tutor in Neurological Surgery for medical students and post-graduates at University of Naples, Italy.
1991-1993	Taught Pharmacology, Infectious Diseases and Neuropsychiatry at Professional School for

Nurses, Italy.

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## **Visiting Professorships**

2012	Istituto Clinico Humanitas/University of Milan, Italy
2011, 2012	University of Sassari, Italy
2011	University Campus Biomedico, Rome, Italy
2010	George Washington University, Washington
2008	University of Verona, Italy
2004, 2006	University "La Sapienza" Rome, Italy
2006	University of Naples, Italy
2006	University of Padua, Italy
2005	University of Guadalajara, Mexico
2003	University of Illinois at Peoria
2003	University of West Indies, Mona-Kingston, Jamaica
2002	University of Bucaramanga, Colombia
2002	University of Caracas, Venezuela
2000	University "Federico Villareal" of Lima, Peru
2000	Instituto de Ciencias Neurologicas " Oscar Trelles" of Lima, Peru

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## **Papers Presented to Scientific Meetings**

### **A Next Generation Cadaveric Microneurosurgery Skull Base Laboratory: A New Model For Technologically Integrated Postgraduate Surgical Training**

AI Evins, A Bernardo, PE Stieg

7th International Technology, Education and Development Conference. March 2013. Valencia, Spain.

### **3D Endoscope-Assisted Microsurgical Anatomy of a Combined Subtemporal Presigmoid Transtentorial Approach**

AI Evins, A Bernardo, PE Stieg

North American Skull Base Society meeting, February 2013, Miami, FL

### **A Next Generation Cadaveric Microneurosurgery Skull Base Laboratory: A New Model for Technologically Integrated Surgical Training and Innovation**

AI Evins, PE Stieg, A Bernardo

North American Skull Base Society meeting, February 2013, Miami, FL

### **3D Microsurgical and Endoscopic Anatomy of Different Surgical Approaches to the Interpeduncular Fossa and Dorsum Sellae: A Cadaveric Study**

AI Evins, A Medda, PE Stieg, A Bernardo

North American Skull Base Society meeting, February 2013, Miami, FL

**3D Endoscope-Assisted Anatomy of the Foramen Magnum and Cranio-Vertebral Junction Through a Far Lateral Approach – A Technical Note**

G Anichini, D Boeris, AI Evins, E Passacantilli, J Lenzi, A Santoro, GP Cantore, R Delfini, PE Stieg, A Bernardo  
12th National Congress of the Italian Skull Base Society. November 2012. Novara, Italy.

**A Next Generation Cadaveric Microneurosurgery Skull Base Laboratory: A New Model for Technologically Integrated Surgical Training and Innovation**

AI Evins, PE Stieg, A Bernardo

The 19th Annual Meeting of the Japanese Society for Neuroendoscopy November 2012. Tokyo, Japan.

**3D Endoscope-Assisted Surgical Anatomy of the Retrosigmoid and Far Lateral Approaches**

A Bernardo, AI Evins, G Anichini, D Boeris, PE Stieg

The 19th Annual Meeting of the Japanese Society for Neuroendoscopy November 2012. Tokyo, Japan.

**Three Dimensional Microsurgical Anatomy of the Third Ventricle through the Trans-lamina Terminalis Approach: A Cadaveric Study**

M Blagia, AI Evins, PE Stieg, A Bernardo

The 61st Congress of the Italian Society of Neurosurgery (SINch) Joint Meeting with the Brazilian Society of Neurosurgery. October 2012. Rimini, Italy.

**Relationship of the Transverse Sinus and Sigmoid Sinus to Surface Landmarks**

Justin Burrell; Alejandro Santillan; Alexander Evins; Collin Tebo; Philip E. Stieg; Antonio Bernardo  
Congress of Neurological Surgeons Meeting. October 2012, Chicago, IL

**Relationship of the Middle Meningeal Artery to the Surface of the Skull**

Alexander Evins; Alejandro Santillan; Justin Burrell; Collin Tebo; Philip E. Stieg; Antonio Bernardo  
Congress of Neurological Surgeons Meeting. October 2012, Chicago, IL

**External Landmarks for Identifying the Drainage Site of the Vein of Labbé**

Alexander Evins; Alejandro Santillan; Justin Burrell; Collin Tebo; Philip E. Stieg; Antonio Bernardo  
Congress of Neurological Surgeons Meeting. October 2012, Chicago, IL

**3D Orbital Anatomy as Seen in a Fronto-Orbito Zygomatic Approach**

Collin Tebo; Alexander Evins; Justin Burrell; Davide Boeris; Philip E. Stieg; Antonio Bernardo  
Congress of Neurological Surgeons Meeting. October 2012, Chicago, IL

**Safe and Effective Harvesting of the Occipital Artery: A Cadaveric Study**

Hitoshi Fukuda; Alexander Evins; Philip E. Stieg; Antonio Bernardo  
Congress of Neurological Surgeons Meeting. October 2012, Chicago, IL

**The Meningo-Orbital Band: Microsurgical Anatomy for Anterior Clinoidectomies in Relation to Dural Layers**

Hitoshi Fukuda; Alexander Evins; Philip E. Stieg; Antonio Bernardo  
Congress of Neurological Surgeons Meeting. October 2012, Chicago, IL

**3D Anatomy of the Cerebello-Pontine Angle Through a Retrosigmoid Approach: A Comparative Study Using a Microscope and a 3D Endoscope**

Davide Boeris; Giulio Anichini; Alexander Evins; Alessandro Ducati; Francesco Zenga; Philip E. Stieg; Antonio Bernardo.

Congress of Neurological Surgeons Meeting. October 2012, Chicago, IL

**3D Endoscope-Assisted Anatomy of the Foramen Magnum and Cranio-Vertebral Junction Through a Far**



**Lateral Approach – A Technical Note**

Giulio Anichini; Davide Boeris; Alexander Evins; Antonio Santoro; Philip E. Stieg; Antonio Bernardo  
Congress of Neurological Surgeons Meeting. October 2012, Chicago, IL

**An extended anterior transpetrosal transclival approach to expose the petroclival region for lesions extending beyond the midline**

Hellwag Flores; Danilo Silva; Collin Tebo; Joss Cohen; Kamal Yakoub; Philip E. Stieg; Antonio Bernardo  
Congress of Neurological Surgeons Meeting. October 2011, Denver, CO

**Comparative analytical study of different surgical approaches to the interpeduncular fossa and dorsum sellae region: a cadaveric study**

Mattheos Christoforidis, Idoia Valduvico, Alessandro Bertuccio, Philip E. Stieg, Antonio Bernardo  
Congress of Neurological Surgeons Meeting. October 2009, New Orleans, LA

**Correlation between the complex organization of the system of membranes and the surgical entry corridors to the cavernous sinus: a new anatomic-functional model**

Mattheos Christoforidis, Alessandro Bertuccio, Idoia Valduvico, Philip E. Stieg, Antonio Bernardo  
Congress of Neurological Surgeons Meeting. October 2009, New Orleans, LA

**Surgical Approaches to the Brainstem: an Extensive 3D anatomo-surgical study**

Idoia Valduvico, Alessandro Bertuccio, Mattheos Christoforidis, Anna Visca, Philip E. Stieg, Antonio Bernardo  
Congress of Neurological Surgeons Meeting. October 2009, New Orleans, LA

**An extended anterior transpetrosal approach to expose the lower clivus and the vertebro-basilar junction**

Valerio di Norcia, Juan Solivera, Philip E. Stieg, Antonio Bernardo  
American Association of Neurological Surgeons Meeting. May 2009, San Diego, CA

**Comparison of Trans and Perimastoid Surgical Routes to the Petroclival Region: a cadaveric study**

Carlo Alberto Benech, Philip E. Stieg, Antonio Bernardo;  
Congress of Neurological Surgeons Meeting. September 2008, Orlando, FL

**A Combined Pericavernous and Transcavernous Surgical Avenues to the Upper Basilar Artery Region.**

Carlo Alberto Benech, Philip E. Stieg, Antonio Bernardo  
Congress of Neurological Surgeons Meeting. September 2008, Orlando, FL

**Comparison of the Infratentorial Supracerebellar, Interhemispheric Transcallosal and Occipital Transtentorial Approaches to Posterior Third Ventricle: a Cadaveric Study**

Mariana Alamar, Roberto Faggin, Philip E. Stieg, Antonio Bernardo  
Congress of Neurological Surgeons Meeting. September 2008, Orlando, FL

**Analytical evaluation of transcallosal, contralateral transcallosal and transcortical access to lateral ventricles: a cadaveric study**

Mariana Alamar, Roberto Faggin, Philip E. Stieg, Antonio Bernardo;  
Congress of Neurological Surgeons Meeting. September 2008, Orlando, FL

**Analytical Evaluation of Pericavernous and Transcavernous Surgical Avenues to the Basilar Apex Region**

Carlo Alberto Benech, Philip E. Stieg, Antonio Bernardo  
North American Skull Base Society Meeting. September 2008, Vancouver, Canada.

**Comparison of trans and perimastoid access to brainstem targets: a cadaveric study**

Carlo Alberto Benech, Philip E. Stieg, Antonio Bernardo  
North American Skull Base Society Meeting. September 2008, Vancouver, Canada.

**A Combined "Conservative" Perilabyrinthine-Transpetrosal Transcervical Approach to the jugular foramen, anterior brainstem and clivus**

Juan Solivera, Anna Visca, Philip E. Stieg, Antonio Bernardo  
Congress of Neurological Surgeons Meeting. September 2007, San Diego, CA

**A Combined Far Lateral Sublabyrinthine-Transpetrosal Transcervical Approach to the Jugular foramen, Anterior Brainstem and Clivus**

Antonio Bernardo, Juan Solivera, Philip E. Stieg  
European Association of Neurological Surgeons Meeting Glasgow September 2007

**The intracranial course of the facial nerve as seen through different skull base surgical windows: an extensive anatomico-surgical study**

A. Visca, A. Bernardo, P. Stieg  
National Meeting of the Italian Congress of Neurological Surgeons, June 2005, Rome, Italy

**Surgical exposure of the Jugular Foramen Region through a combined Sublabyrinthine transcervical approach: a cadaveric study**

A. Bernardo, A. Visca, J Solivera, R. Faggin, P. Stieg  
American Association of Neurological Surgeons Meeting. April 2007, Washington DC

**Analytical evaluation of transpetrosal surgical avenues to the petroclival region**

A. Bernardo, A. Visca, R. Faggin, H. Riina, P. Stieg  
Congress of Neurological Surgeons Meeting. October 2006, Chicago, IL

**Surgical exposure of the superior orbital fissure(SOF) and intraorbital contents through an orbito-zygomatic osteotomy: a cadaveric study**

A. Bernardo, H Riina, P. Stieg  
Congress of Neurological Surgeons Meeting. October 2005, Boston, MA

**A Function-Sparing "Conservative" Perilabyrinthine-Transpetrosal Approach to the Anterior Brainstem and Clivus**

A. Bernardo, H. K. Kim, ; J M. Zabramski, E. Passacantilli, P. Deshmukh, R. F. Spetzler  
American Association of Neurological Surgeons Meeting. April 2003, San Diego, CA

**A New Three-Dimensional Interactive Virtual Model to Simulate Transpetrosal Surgical Avenues**

A. Bernardo, M. C. Preul, J. M. Zabramski, R. F. Spetzler.  
American Association of Neurological Surgeons Meeting. April 2003, San Diego, CA

**Analytical evaluation of transfacial approaches provides a new classification**

A. Bernardo, S P. Beals, E. F. Joganic, J. M. Zabramski, M. Schornak, P. Deshmukh, R. F. Spetzler  
North American Skull Base Society Meeting. February 2003, Memphis, TN

**The intracranial course of the pericarotid sympathetic fibers: a microsurgical anatomical study**

M. Ammirati – A. Bernardo  
American Association of Neurological Surgeons Meeting. April 2000. San Francisco

**Extradural exposure of the cavernous sinus: dissection technique**

M. Ammirati – A. Bernardo

American Association of Neurological Surgeons Meeting. April 2000. San Francisco

**Specimens preparation technique for use in neurosurgical dissection**

A. Bernardo, U. F. Rocca, A. Rossell, L. Chavez, F. Palacio

Peruvian Congress of Neurological Surgeons Annual Meeting, October 1999; Lima, Peru

**Advantage of the orbito-zygomatic osteotomy in dealing with large sphenoid wing meningiomas**

A. Bernardo, U. F. Rocca, A. Rossell, L. Chavez, F. Palacio

Peruvian Congress of Neurological Surgeons Annual Meeting, October 1999; Lima, Peru

**Early experience with fractionated stereotactic radiosurgery using a conformal intensity modulated system (Peacock system)**

M. Ammirati – A. Bernardo

Congress of Neurological Surgeons Meeting. October 1998. Seattle, USA

**Microsurgical anatomy of the cavernous sinus focusing on its membranes: a new anatomical model**

M. Ammirati – A. Bernardo

Congress of Neurological Surgeons Meeting. October 1998. Seattle, USA

**Surgical exposure and dissection of the superior orbital fissure (SOF) as seen from the pterional approach: a cadaveric prosecution**

M. Ammirati – A. Bernardo

Congress of Neurological Surgeons Meeting. October 1998. Seattle, USA

**A comparative study of the Spiegelberg Compliance Device with a manual volume injection method: A Clinical Evaluation**

Piper IR, Spiegelberg A, Bernardo A, Mascia L, Signorini D, Whittle I, Miller JD.

Proceedings of the 10<sup>th</sup> International Symposium on Intracranial pressure and Neuromonitoring, Williamsburg Virginia, USA. 1997.

**Automated measurement of craniospinal compliance**

Spiegelberg A, Piper IR, Bernardo A., Mascia L., Miller JD.

“Intracranial pressure, brain edema and blood circulation of the brain” conference, German Society for Neurosurgery, Essen, Germany 1996

**Do secondary insults occur in patients with spontaneous subarachnoid haemorrhage?**

A. Bernardo - P. A. Jones - P.J.D. Andrews - I.R.Piper - J.D. Miller.

Scottish Association of Neurological Sciences. November 1995. Dundee, Scotland, U.K.

**Automated Compliance Measurement in Brain Injured Patients: A New Method**

I. Piper - A. Spiegelberg - A. Bernardo - L. Mascia - I. Whittle - J.D. Miller.

The J Douglas Miller Memorial Meeting. October 16 - 18th, 1996. Edinburgh, Scotland, United Kingdom.

**Intra and post-operative ecotomographic evaluation of posterior cranial fossa mass lesions**

F. D' Andrea - F. Maiuri - A. Bernardo - B. Gallicchio - L. Serra.

XLIII National Congress 16 - 19 October 1994. Taormina, Italy.

**Prognostic and clinical value of the visibility of the venous blood flow in the internal jugular vein in real time**

**during ecotomographic examination of the supra-aortic vessels.**

B.Gallicchio - A. Bernardo - G. Iaconetta - F. Maiuri - F. D' Andrea

XLIII National Congress. Società Italiana di Neurochirurgia. 16 -19 October 1994 Taormina, Italy

**Changes in Cerebral Blood Flow during PIC Monitoring, TCD Measurement**

B.Gallicchio - T.Cafiero - A.Bernardo - G.Gargiulo - G. Iaconetta - F.Maiuri

VIII International Symposium on Intracranial Pressure, June 16-20, 1991, Rotterdam, The Netherlands

**Altered expression of endothelial and muscle cells antigen in Atherosclerotic Plaque**

G.Giordano Lanza - S.Montagnani - A.Bernardo - B. Gallicchio - F.Maiuri - R.Vitelli - R.Spera

9th International Congress of Histochemistry and Citochemistry. Maastricht, The Netherlands, August 30 - September 5, 1992

**Post-operative ecodoppler findings in Carotid-Surgery and their predictive value about restenosis**

F.Maiuri - A.Bernardo - B.Gallicchio - L.Serra

XLII National Congress - Societa Italiana di Neurochirurgia, September 22-25, 1993

**Local immunity reactions in the atheromathous carotid-plaque. Preliminary Study**

B.Gallicchio - F.Maiuri - S.Montagnani - A Bernardo - P.A.Donati - G.Catapano

XL National Congress - Societa Italiana di Neurochirurgia - Perugia, Italy, 1991

**Correlation between perilesional edema and hormone receptors in cranial meningioma**

F.Maiuri - S.Montagnani - A Bernardo - B.Gallicchio - M.Gangemi.

IXL National Congress - Societa Italiana di Neurochirurgia. Lecce, Italy, 1990

**Immunoistochemical Characteristics of Human Atherosclerotic Carotid-Plaques**

G.Gallicchio - F.Maiuri - S.Montagnani - A.Bernardo - E.Di Vaia - L.Serra

Second World Congress of Stroke of the Stroke International Society, Washington D.C. USA, September 8-12, 1992

**Carotid Endoarteriectomy, The Role of Real Time B-Mode Ultrasonography in the follow-up**

B.Gallicchio - F.Maiuri - A.Bernardo - P.A Donati - S.Montagnani - E.Di Vaia

Second World Congress of Stroke of the International Stroke Society, Washington DC, USA September 8-12, 1992

**Biopolymers Use for the Insertion of Extrinsic Muscles of the Rabbit Eye**

De Rosa P. - G.Giordano Lanza - A.Bernardo - E.Di Vaia - S.Montagnani - M.Cinquegrani

XLIV National Congress - Societa Italiana di Anatomia, Bologna, 1990

**Prevention of Ischemic and Riperfusion Damage after using Neoton PG12 and RSV4**

F.Nappi - G.Jannelli - A.Bernardo - G.F.Pelluso - S.Metafora - Ravagnan - N.Spampinato

The Third World Congress on Open Heart Technology - Fourth National Congress A.N.P. e C., Florence, Italy, 1988

**Immunoistochemical Study of Human Atherosclerotic Plaque**

G.Giordano Lanza - E.Di Vaia - S.Sciorio - B.Gallicchio - A.Bernardo - S.Montagnani

Reports of XXIV National Congress - Societa Italiana di Istochimica. Basic and Applied Histochemistry. 1991

**Morphological and Immunochemical Observation in Vitro Cultured in Rabbit Pigmented Epithelial Cells**

G.Giordano Lanza - E.Di Vaia - A.Bernardo - S.Montagnani - P.De Rosa

IX International Symposium on Morphological Sciences, Nancy, France, 1990

**Experimental model of acute liver damage in rat injected with Dymetilnitrosamine**

G.Giordano Lanza - S.Montagnani - G.Tarantino - A Bernardo - M.Marzano - M.Rubino - E.Di Vaia

Federative International Congress of Anatomy, Rio de Janeiro, 1989

**Immunoistochemical features of rat cirrhotic liver after administration of Dymetilnitrosoamine**

G.Giordano Lanza - M.Rubino - A.Bernardo - G.Tarantino - M.Marzano - S.Montagnani

XXIII National Congress - Societa Italiana di istochimica, Pavia, 1988

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## **Invited Speaker Presentations**

**Surgical approaches to the cavernous sinus**

X International Meeting of Neurosciences organized by the University of West Indies at Montego Bay, Jamaica, January 2013

**Surgical approaches for lesion localizd at the foramen magnum**

X International Meeting of Neurosciences organized by the University of West Indies at Montego Bay, Jamaica, January 2013

**Novel Technology in surgical education and clinical applications**

Visiting Professor, Istituto Clinico Humanitas, November 2012, Milan, Italy

**Lateral and posterior surgical approaches to basilar artery aneurysms**

Live Surgery course on Cerebral Aneurysms, November 2012, Torino, Italy

**3D Anatomy of trans and pericavernous approach to basilar tip**

Live Surgery course on Cerebral Aneurysms, November 2012, Torino, Italy

**A next generation cadaveric microneurosurgery skull base laboratory: a new model for technologically integrated surgical training and innovation**

19<sup>th</sup> Annual Meeting of the Japanese Society for Neuroendoscopy, November 2012, Tokyo, Japan

**3D endoscope-assisted surgical anatomy of the retrosigmoid and far lateral approaches**

19<sup>th</sup> Annual Meeting of the Japanese Society for Neuroendoscopy, November 2012, Tokyo, Japan

**Skull Base surgical approaches for intracranial lesions**

American Austrian Foundation annual meeting for Neurosurgery, October 2012, Salzburg, Austria

**Transtemporal surgical approaches**

3<sup>rd</sup> Annual Conference of Neuro-otology, September 2012, Alexandria, Egypt

**Surgical Approaches to Cranial base**

Depuy-Synthes Symposium on Skull base Surgery, September 2012, Palm Beach, Florida.

**3D Anatomy of the brain and surgical approaches to intracranial pathologies**

5 days lectures as visiting professor at University of Sassari, July 2012, Sassari, Italy

**3D anatomy of the cerebello-pontine angle**

Symposium on Lesions of the Posterior Cranial Fossa, June 2012, Benevento, Italy

**Surgical anatomy of the cranio-vertebral junction and brain stem**

Symposium on Lesions of the Posterior Cranial Fossa, June 2012, Benevento, Italy

**Surgical Approaches to Cranial base**

Synthes Symposium on Skull base Surgery and Neurotrauma, May 2012, Bogota, Colombia

**Surgical Approaches to Cranial base**

Synthes Symposium on Skull base Surgery ,April 2012, Lima, Peru'

**Posterior fossa approaches**

Hands-on skull base 3D course and workshop: transnasal and beyond, April 2012, Torino, Italy

**Surgical Approaches to Cranial base**

Synthes Symposium on Skull base Surgery and Neurotrauma, September 2011, Bogota, Colombia

**3D Keynote Lecture: How simplified drilling techniques could enhance exposure in vascular surgery**

4<sup>th</sup> International Cerebrovascular and Skull Base Workshop, September 2011, Ghent, Belgium

**3D Anatomy of the brain and surgical approaches to intracranial pathologies**

3 days lectures as visiting professor at University of Sassari, July 2011, Sassari, Italy

**Surgical Approaches to the posterior cranial fossa and foramen magnum**

1<sup>st</sup> Symposium of Neuro-Oncology and Skull Base Surgery, July 2011, Cartagena, Colombia

**Surgical Approaches to the middle cranial fossa and lateral brainstem**

1<sup>st</sup> Symposium of Neuro-Oncology and Skull Base Surgery, July 2011, Cartagena, Colombia

**Surgical Approaches to the anterior cranial base**

1<sup>st</sup> Symposium of Neuro-Oncology and Skull Base Surgery, July 2011, Cartagena, Colombia

**3D anatomy of the surgical approaches to the cranial base**

XXI Congress of the Mexican Association of Neurological Surgeons, Acapulco, Mexico, July 2011

**3D Surgical anatomy of the cranial base**

1<sup>st</sup> Skull base Surgery Joint Meeting (Italia-USA), June 2011, Naples, Italy

**Neurosurgical approaches to intracranial lesions**

Visiting Professor lecture at University Campus Biomedico, April 2011, Rome, Italy

**Stereo 3D techniques for surgical simulation**

Breakfast seminar, American Association of Neurological Surgeons, April 2011, Denver

**Far lateral transcondylar approach for lesions at the foramen magnum**

VIII International Meeting of Neurosciences organized by the University of West Indies at Montego Bay, Jamaica, January 2011

**Skull Base Surgery techniques for intracranial vascular lesions**

International Vascular Symposium, June 2010, Cartagena, Colombia

**Using stereoscopic 3D video recording in neurosurgery practice and education**

Breakfast seminar, American Association of Neurological Surgeons, May 2010, Philadelphia

**Surgical anatomy of the sellar and parasellar region**

New Concepts in Neurosurgical Training: Tips and Tricks, April 2010, Taormina, Italy

**Skull Base surgical approaches for intracranial lesions**

American Austrian Foundation annual meeting for Neurosurgery, February 2010, Salzburg, Austria

**Surgical approaches lesion at the foramen magnum**

VII International Meeting of Neurosciences organized by the University of West Indies at Montego Bay, Jamaica, January 2010

**Combined transcervical approaches to Jugular Foramen lesions**

Invited faculty at 2<sup>nd</sup> interdisciplinary AO course on Skull Base Surgery / Approaches to the Lateral Skull Base, September 2009, Vienna, Austria

**Lateral transpetrosal approaches to the skull base**

Invited faculty at 2<sup>nd</sup> interdisciplinary AO course on Skull Base Surgery / Approaches to the Lateral Skull Base, September 2009, Vienna, Austria

**Lateral transpetrosal approaches to the skull base**

Invited faculty at 2<sup>nd</sup> interdisciplinary AO course on Skull Base Surgery / Approaches to the Lateral Skull Base, September 2009, Vienna, Austria

**Surgical Approaches for intracranial giant aneurysms**

Invited faculty at the course on "Cerebral aneurysms", August 2009, Lima, Peru

**Surgical Approaches to the parasellar region, cavernous sinus and interpeduncular fossa**

Invited faculty at the course on "Surgical Approaches for Cerebral aneurysms", July 2009, Sao Paulo, Brazil

**Transpetrosal Approaches to the Skull Base**

Society of University Neurosurgeons annual meeting, June 2009, Naples Italy

**Updates in surgery of complex intracranial aneurysms**

National Meeting of the Spanish Association of Neurological Surgeons, May 2009, Seville, Spain

**Virtual reality in Neurosurgery**

National Meeting of the Spanish Association of Neurological Surgeons, May 2009, Seville, Spain

**Craniocervical Surgical Anatomy**

American Austrian Foundation annual meeting for Neurosurgery, May 2009, Salzburg, Austria

**Update: what's new in brain tumors and vascular surgery**

American Austrian Foundation annual meeting for Neurosurgery, May 2009, Salzburg, Austria

**New technologies in Skull Base Surgery**

Covidien Satellite Symposium at European Skull Base Society Congress in Rotterdam, Netherlands, April 2009

**Surgical approaches to the Skull Base**

Visiting Professor at the University of Verona, Italy, November 2008.

**Lateral approaches to the Skull Base**

XX III Congress of Latin American Neurosurgical Federation, October 2008, Bogota Colombia

**Skull Base surgical approaches for intracranial lesions**

American Austrian Foundation annual meeting for Neurosurgery, September 2008, Salzburg, Austria

**Skull Base Surgical Techniques for Giant Intracranial Aneurysms**

Roma International Skull Base and Cerebrovascular Workshop, June 2008, Rome, Italy

**Surgical Approaches for Skull Base Lesions**

VIII National Congress of The Spanish Society of Skull Base, June 2008, Santander, Spain

**Extended Subtemporal Approaches**

New Concepts in Neurosurgical Training: Tips and Tricks, May 2008, Taormina, Italy

**Transpetrosal Approaches**

New Concepts in Neurosurgical Training: Tips and Tricks, May 2008, Taormina, Italy

**Surgical Approaches for Complex Giant Aneurysms**

XXI International meeting of The Colombian Association of Neurological Surgeons, November 2007, Santa Marta

**Modified Combined Surgical Approaches for Lesions of the Jugular Foramen**

XXI International meeting of The Colombian Association of Neurological Surgeons, November 2007, Santa Marta

**Skull base Surgical Approaches for Lesions at the Foramen Magnum**

XXI International meeting of The Colombian Association of Neurological Surgeons, November 2007, Santa Marta

**Management of Primary Brain Tumors, Meningiomas, and Skull Base lesions**

Neurosurgery Masters' Update, November 2007, Dubai, UAE

**Surgical Approaches for Complex Lesions at the Base of the Skull.**

National Congress Of The Peruvian Association of Neurological Surgeons, Novemebr 2007, Lima, Peru

**Surgical Anatomy of the posterior fossa**

VIII National Congress of The Spanish Society of Skull Base, June 2008, Santander, Spain

**Chairman of Surgical Video Session**

National Meeting of the Italian Congress of Neurological Surgeons, June 2007, Rome, Italy

**Skull Base surgical approaches for intracranial lesions**

American Austrian Foundation annual meeting for Neurosurgery, March 2007, Salzburg, Austria

**Surgical anatomy of the base of the skull**

American Austrian Foundation annual meeting for Neurosurgery, March 2007, Salzburg, Austria

**Surgical approaches for cranio-cervical lesions**

IV International Meeting of Neurosciences organized by the University of West Indies at Montego Bay, Jamaica, January 2007

**Indications and surgical techniques for revascularizations in cerebro-vascular surgery**

International meeting in Neurosurgery "30° Aniversario Hospital Jesús Yenera "Lidice", Caracas, Venezuela, January 2007.

**Surgical Approaches for Foramen Magnum Lesions**

International meeting in Neurosurgery "30° Aniversario Hospital Jesús Yenera "Lidice", Caracas, Venezuela, January 2007.

**Skull Base Surgical approaches for intracranial giant aneurysms**

International meeting in Neurosurgery "30° Aniversario Hospital Jesús Yenera "Lidice", Caracas, Venezuela, January 2007.

**Indications for revascularization in aneurysms surgery**



International meeting in neurosurgical advances and cerebral revascularization, Leon, Spain, November 2006

**Virtual reality and surgical planning in Neurosurgery**

International meeting in neurosurgical advances and cerebral revascularization, Leon, Spain, November 2006

**Microsurgical anatomy of skull base surgical approaches**

Inaugural session of the Catalan Neurosurgical Society, Barcelona, September, 2006

**Skull base surgical approaches for intracranial aneurysms**

Visiting Professor at "La Sapienza University ", Rome, Italy, September 16, 2006

**Skull base surgical approaches for intracranial aneurysms**

Visiting Professor at the University of Naples, Italy, September 13, 2006

**Skull base surgical approaches for intracranial aneurysms**

Visiting Professor at the University of Padua, Italy, September 11, 2006

**Microneurosurgical approaches to the sellar region**

XIV Congress of the Western Mexican Neurosurgical Society, July 2006, Isla Navidad, Manzanillo, Mexico

**Skull Base Microsurgical approaches to intracranial tumors**

XIV Congress of the Western Mexican Neurosurgical Society, July 2006, Isla Navidad, Manzanillo, Mexico

**Anterior transfacial surgical approaches.**

National Meeting of the Venezuela Association of Neurological Surgeons, May 2006, Merida, Venezuela

**Combined surgical approaches for skull base lesions.**

National Meeting of the Venezuela Association of Neurological Surgeons, May 2006, Merida, Venezuela

**Skull Base Surgical Approaches for vascular lesions.**

National Meeting of the Venezuela Association of Neurological Surgeons, May 2006, Merida, Venezuela

**How to approach tumors at the base of the skull**

National Meeting of the Spanish Association of Neurological Surgeons, May 2006, Vigo, Spain

**Surgical Approaches for vascular lesions of the skull base**

National Meeting of the Spanish Association of Neurological Surgeons, May 2006, Vigo, Spain

**Surgical Approaches for skull base tumors**

VI international meeting of the Spanish Spine Society "NeuroRaquis", April 2006, Jerez de la Frontera, Spain

**Skull Base Surgical Approaches for intracranial aneurysms**

VI international meeting of the Spanish Spine Society "NeuroRaquis", April 2006, Jerez de la Frontera, Spain

**Surgical anatomy of the base of the skull**

American Austrian Foundation annual meeting for Neurosurgery, November 2005, Salzburg, Austria

**Skull Base Surgical Approaches for intracranial aneurysms**

National Meeting of the Peruvian Association of Neurological Surgeons, November 2005, Lima, Peru

**Surgical approaches to the base of the skull**

Annual Meeting of the Colombian Association of Neurological Surgeons, November 2004, Armenia, Colombia.

**Anterior transfacial approaches to the clivus**

Annual Meeting of the Colombian Association of Neurological Surgeons, November 2004, Armenia, Colombia.

**Advances in Skull Base Surgery (3D presentation)**

XXI Congress of Latin American Neurosurgical Federation, October 2004, Panama City, Panama

**Variations of the orbito-zygomatic approach to access basilar tip aneurysms (3D presentation)**

II International Meeting of Neurosurgery, September 2004, Guayaquil, Ecuador

**Skull Base Surgery: lateral transcranial approaches to clivus lesions. (3D presentation)**

II International Meeting of Neurosurgery, September 2004, Guayaquil, Ecuador

**Advances in neurosurgery: virtual reality and surgical planning (3D presentation)**

International Meeting organized by the Western Society of Neurosurgery of Mexico, July 2004, Puerto Vallarta, Mexico

**Virtual reality in neurosurgery: present and future applications (3D presentation)**

Meeting of Neurology and Neurosurgery at the National School of Medicine, National Hospital " Siglo XXI", June 2004, Mexico City, Mexico

**Technological advances in the neurosurgical training: skull base surgical approaches in 3D. (3D presentation)**

Meeting for minimally invasive surgery in skull base surgery, Hospital Civil Nuevo, June 2004, Guadalajara, Mexico

**A new classification of transfacial surgical approaches to access the clivus**

XII Annual meeting of the Association of Neurosurgeons of Venezuela, May 2004, Puerto La Cruz, Venezuela

**Comparison of transpetrosal surgical approaches to access the upper-middle clivus**

XII Annual meeting of the Association of Neurosurgeons of Venezuela, May 2004, Puerto La Cruz, Venezuela

**Modified orbito-zygomatic approach to access the upper clivus**

XII Annual meeting of the Association of Neurosurgeons of Venezuela, May 2004, Puerto La Cruz, Venezuela.

**Virtual Reality in Neurosurgery: will it be part of the neurosurgical planning in the future? (3D presentation)**

University La sapienza, April 2004, Rome, Italy

**Use of surgical power instruments in skull base surgery**

Training and presentation to National Social Security, March 2004, Guadalajara, Mexico

**Lateral transcranial approaches to the petroclival region (3D presentation)**

XVI International Meeting of Neurosurgery, August 2003, Cartagena, Colombia

**Modifications of orbito-zygomatic craniotomy to access the upper/ middle clivus (3D presentation)**

XVI International Meeting of Neurosurgery, August 2003, Cartagena, Colombia

**Transpetrosal approaches to the petroclival region**

International meeting on minimally invasive skull base surgery, May 2003, Turin, Italy.

**Anterior and posterior petrosectomy: indications and 3D surgical anatomy (3D presentation)**

Annual meeting of the Colombian Association of Otolaryngology, Head and Neck Surgery and Maxillo-facial Surgery, May 2003, Bogota, Colombia

**Transfacial approaches to the base of skull**

Annual meeting of the Colombian Association of Otolaryngology, Head and Neck Surgery and Maxillo-facial

Surgery, May 2003, Bogota, Colombia

**Modified orbito-zygomatic approach to treat mid- and upper basilar artery aneurysms (3D presentation)**

X Annual Conference of the Caribbean Association of Otolaryngology, March 2003, Bermuda

**Transpetrosal surgical avenues to approach basilar artery aneurysms: surgical applications and 3D surgical anatomy (3D presentation)**

X Annual Conference of the Caribbean Association of Otolaryngology, March 2003, Bermuda

**Analytical evaluation of transfacial approaches provides a new classification**

Visiting Professor at the University of Illinois, February 2003, Peoria, Illinois

**Modifications of the orbito-zygomatic approach to access the middle and upper basilar artery (3D presentation)**

Visiting Professor at the University of Illinois, February 2003, Peoria, Illinois

**Transpetrosal approaches to the clivus: 3D surgical anatomy (3D presentation)**

Visiting Professor at the University of Illinois, Peoria, February 2003

**Transpetrosal surgical avenues to the basilar artery (3D presentation)**

Caribbean Association of Neurological Surgeons, November 2003, Panama City, Panama

**Skull base surgical approaches (3D presentation)**

Luncheon Seminar at the XX Congress of Latin American Neurosurgical Federation, October 2002, Lima, Peru'.

**Anterior transfacial approaches to the base of the skull**

Annual Meeting of the Colombian Association of Otolaryngology. May 2002, Santa Marta, Colombia

**Transpetrosal surgical approaches to the base of the skull: 3D applications**

Annual Meeting of the Colombian Association of Otolaryngology. May 2002, Santa Marta, Colombia

**Combined approaches in skull base surgery**

XVIII international Symposium in Neurosurgery, November 2001, Bogota, Colombia.

**Trans and peri – cavernous approaches to basilar aneurisms (3D presentation)**

Caribbean Association of Neurological Surgeons, November 2001, San Juan, Puerto Rico

**Petrous bone surgery**

Caribbean Association of Neurological Surgeons, November 2001, San Juan, Puerto Rico

**Extradural exposure of the cavernous sinus**

XVIII international Symposium in Neurosurgery, November 2001, Bogota, Colombia

**Combined transfacial transcranial approaches to the clivus**

XVIII international Symposium in Neurosurgery, November 2001, Bogota, Colombia

**Peri and trans- cavernous routes to the upper clivus**

Millennium Meeting of the Caribbean Association of Neurological Surgeons, November 2000, Puerto Plata, Dominican Republic

**One year experience as volunteer neurosurgeon in Peru**

International committee of Congress of Neurological Surgeons Meeting, October 2000; San Antonio, Texas, USA

**Lateral transcranial approaches to the petrous apex and clival region**

Colombian Congress of Neurological Surgeons Annual Meeting, August 2000; Medellin, Colombia

**Anterior transfacial approaches to cranial base lesions**

Colombian Congress of Neurological Surgeons Annual Meeting, August 2000; Medellin, Colombia

**Cranial Base Surgical approaches to the basilar artery region**

X International Congress of Neurosurgery, April 2000; Arequipa, Peru'

**Transpetrous surgical routes in "Skull Base Surgery"**

XXXII Peruvian and International Congress of Surgery, March 2000; Lima, Peru'

**Far lateral trans-condylar approach to the anterior brain stem**

XXXII Peruvian and International Congress of Surgery, March 2000; Lima, Peru'

**Advances in Neurosurgery**

University "Federico Villarreal" of Lima, December 1999; Lima, Peru'

**Cranial base surgical approaches to the clivus**

Peruvian Congress of Neurological Surgeons Annual Meeting, October 1999; Lima, Peru

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**Published Papers**

In addition to the papers listed below, serve as an international editor and ad-hoc reviewer to *Neuroscienze en Columbia*, *Neurosurgery*, *Journal of Trauma*, and *Neurosurgical Review*.

**Safe and Effective Harvesting of the Occipital Artery: A Cadaveric Study**

Fukuda H, Evins A, Stieg ES, Bernardo A  
Neurosurgery. 2012 (*submitted*)

**The Meningo-Orbital Band: Microsurgical Anatomy for Anterior Clinoidectomies in Relation to Dural Layers**

Fukuda H, Evins A, Stieg ES, Bernardo A  
Neurosurgery. 2012 (*submitted*)

**3D Anatomy of the Cerebello-Pontine Angle Through a Retrosigmoid Approach: A Comparative Study Using a Microscope and a 3D Endoscope**

Bernardo A, Boeris D, Anichini G, Evins A, Ducati A, Zenga F, Stieg ES;  
Neurosurgery. 2012 (*submitted*)

**3D Endoscope-Assisted Anatomy of the Foramen Magnum and Cranio-Vertebral Junction Through a Far Lateral Approach**

Bernardo A, Anichini G, Boeris D, Evins A, Santoro A, Stieg ES;  
Neurosurgery. 2012 (*submitted*)

**The Intracranial Facial Nerve As Seen Through Different Surgical Windows: An Extensive 43 Anatomic-Surgical Study**

Bernardo A, Visca A, Evins A, Stieg ES;  
Neurosurgery. 2012 (*in press*)

**Three-Dimensional and 2-Dimensional Endoscopic Exposure of Midline Cranial Base Targets Using Expanded Endonasal and Transcranial Approaches**

Roth, Jonathan; Singh, Ameet; Nyquist, Gurston; Fraser, Justin F.; Bernardo, Antonio; Anand, Vijay K.; Schwartz, Theodore H.

Neurosurgery, December 2009 - Volume 65 - Issue 6 - p 1116-1130

**The superior orbital fissure as seen from the pterional approach: an anatomic-surgical study**

Ammirati M., Bernardo A.

Journal of Neurosurgery, 2007 Jan

**Discovering the novel surgical approach.**

Clatterbuck RE, Bernardo A, Spetzler RF.

Clinical Neurosurgery. 2003;50:36-44.

**A three-dimensional interactive virtual dissection model to simulate transpetrous surgical avenues.**

Bernardo A, Preul MC, Zabramski JM, Spetzler RF.

Neurosurgery. 2003 Mar;52(3):499-505; discussion 504-5.

**The microsurgical anatomy of the cisternal segment of the trochlear nerve, as seen through different neurosurgical operative windows.**

Ammirati M, Musumeci A, Bernardo A, Bricolo A.

Acta Neurochir (Wien). 2002 Dec;144(12):1323-7.

**Comparison of different infratentorial-supracerebellar approaches to the posterior and middle incisural space: a cadaveric study.**

Ammirati M, Bernardo A, Musumeci A, Bricolo A.

Journal of Neurosurgery. 2002 Oct;97(4):922-8.

**Early experience with fractionated stereotactic radiosurgery using a conformal intensity modulated system (Peacock system).**

M. Ammirati, A. Bernardo, N. Ramsinghani, R. Yakoob, M. Al-Ghazi, J. Kuo and G. Ammirati.

Skull Base, volume 11, number 2: 109-119, 2001

**Analytical evaluation of complex anterior approaches to the Cranial Base: an anatomical study.**

M.Ammirati – A. Bernardo.

Neurosurgery 43:1398-1408, 1998

**Management of Skull Base Chordomas.**

M Ammirati – A. Bernardo.

Critical Review of Neurosurgical 9 (1999) 2, 63-69

**Intracranial Meningiomas: correlation between Magnetic Resonance and histologic findings**

F. Maiuri, R. Spaziante, G. Iaconetta, A. Bernardo, S. Cirillo, M.L. Del Basso De Caro

European Journal of Radiology 1998

**Expression of epithelial and mesenchymal markers in human meninges, normal and pathological.**

G. Giordano Lanza, S. Montagnani, A. Bernardo, F. Maiuri.

Italian Journal of Anatomy and Embriology; Suppl. Vol. 99, October,1994

**Intraplaque Haemorrhage of the Carotid Arteries Diagnosis by Duplex Scanning**

F.Maiuri - B.Gallicchio - A.Bernardo - G.Ianconetta - L.Serra  
Journal of Neurosurgical Science. 38:87-92, 1994.

**Unltrasonographic Findings that Predict Carotid Restenosis after Endoarterectomy**

F.Maiuri - B.Gallicchio - A.Bernardo - G.Iaconetta - L.Serra  
European Journal of Ultrasound 2: 261-267, 1995.

**Correlation between Sex Hormone Receptors and Peritumoral Edema in Intracranial Meningiomas**

F.Maiuri - S.Montagnani - A.Bernardo - G.Iaconetta - B. Gallicchio  
Journal Neurosurgical Science. 38:2933, 1994

**Postoperative Echotomographic Evaluation after Carotid Endoarterectomy**

F.Maiuri - B.Gallicchio - A.Bernardo  
Journal of Neurosurgical Science, 1992

**Cervical Medullary Tumors and Biochemical Stability of the Spine. A Case Study**

M.Caradente - P. De Marinis - A.Bernardo - R. D'Avino  
Physician 2: 1-4, 1993

**Lumbar Stenosis: Literature review and 7 clinical cases**

M.Caradente - A.Bernardo - F.Signorelli - E. La Madia - L.Serra - G.Ambrosio  
Physician 2: 30-40, 1992

**Cerebellar Medulloblastoma in Adults: Report of 15 cases and review of the Literature**

G.Iaconetta - E.Lamaida - A.Bernardo - A.Rossi - M.L. De Caro - A.Monticelli - F.Mauri  
Acta Neurolo Vol.16 February-April 38-45, 1994

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## **Book Chapters**

**Cranial Base Section Editor**

NEUROSURGERY TRICKS OF THE TRADE by Drs. Scott C. Berta and Michael L. Levy.  
Thieme Publisher. Forthcoming

**Retrosigmoid Approach**

NEUROSURGERY TRICKS OF THE TRADE by Drs. Scott C. Berta and Michael L. Levy.  
Thieme Publisher. Forthcoming

**Far Lateral/ELITE approaches**

NEUROSURGERY TRICKS OF THE TRADE by Drs. Scott C. Berta and Michael L. Levy.  
Thieme Publisher. Forthcoming

**Translabyrinthine and transcochlear petrosal approaches**

Antonio Bernardo and Philip E. Stieg  
CRANIAL, CRANIO-FACIAL AND SKULL BASE SURGERY, edited by Dr. Cappabianca  
Springer Verlag. January 2010

**Orbitocranial zygomatic approach to aneurysms of the upper basilar artery**

Neurosurgical Operative Atlas: Vascular Neurosurgery BY Macdonal. November 2008

## Peer Reviewed Papers

**Acute Spinal Epidural Hematoma and Cranial Interdural Hematoma Due to a Rupture of a Posterior Communicating Artery Aneurysm.**

Bartoli A, Kotowski M, Pereira VM, Schaller K.

Neurosurgery. 2011 Oct;69(4):E1000-4;

**Greater Superficial Petrosal Nerve Dissection: Back To Front or Front To Back?**

Jittapiromsak, Pakrit; Sabuncuoglu, Hakan; Deshmukh, Pushpa; Nakaji, Peter; Spetzler, Robert F.; Preul, Mark C.

Neurosurgery 64: 253-259, 2009

**Myocardial Contrast Echocardiography in Subarachnoid Hemorrhage-Induced Cardiac Dysfunction: Case Report**

Lee, Vivien H.; Abdelmoneim, Sahar S.; Daugherty, Wilson P.; Oh, Jae K.; Mulvagh, Sharon L.; Wijdicks, Eelco

Neurosurgery 62: 261-262, 2008

**Latex Injection of Cadaver Heads: Technical Note**

Alvernia, Jorge; Pradilla, Gustavo; Mertens, Patrick; Lanzino, Giuseppe; Tamargo, Rafael

Neurosurgery 67: 362-367, 2010

**Role of the Zygomaticofacial Foramen in the Orbitozygomatic Craniotomy: Anatomic Report.**

Martins C., Xiaoyong L., Rhoton ALJ,

Neurosurgery 53: 168-173, 2003

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## Fellows Trained

Anna Visca, M.D., Italy

Roberto Faggin, M.D., Italy

Ehab Mohammed Eissa, M.D., Egypt

Juan Solivera, M.D., Spain

Carlo Alberto Benech, M.D., Italy

Michael Lerner, M.D., Austria

Mariana Alamar, M.D., Spain

Valerio Di Norcia, M.D., Italy

Idoia Valduvico, M.D., Spain

Antonia Garcia, M.D., Spain

Mattheos Christoforidis, M.D., Germany

Beatriz Lopez, M.D., Spain

Bert Regaert, M.D., Belgium

Luigi Valentino Berra, M.D., Italy

Danilo Silva, M.D., Brazil,

Georgios Matis, M.D., PhD, Greece

Kamal Yakoub, M.D., Egypt

Hellwag Flores, M.D., Dominican Republic

Rolando Lovaton, M.D., Peru

Giulio Anichini, M.D., Italy

Davide Boeris, M.D., Italy

Hitoshi Fukuda, M.D., Japan

Antonella Medda, M.D., Italy

Liang Wang, M.D., China

Ahmed, Hablas, M.D., Egypt

Luigi Rigante, M.D., Italy

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## Awards Received

**2010:** Award from the Neurosurgical Peruvian American Foundation for Commitment and Dedication to the progress of neurosurgery in Peru

- 2008:** Award from the Latin American Federation of Neurological Surgeons for his contribution to the development of Neurosurgery in Latin America
- 2006:** Award from the Venezuelan Congress of Neurological Surgeons for contribution to the development of Neurosurgery in Venezuela
- 2004:** Award for clinical and teaching excellence from the University of Guadalajara, Mexico
- 2004:** Honored guest at the Annual Meeting of the Colombian Association of Neurological Surgeons, Armenia, Colombia, November 2004
- 2003:** Honored guest at the Annual Meeting of the Colombian Association of Otolaryngology, Head and Neck Surgery and Maxillo-Facial Surgery, Bogota, Colombia, May 2003
- 2002:** Annual clinical excellence award from Medtronic/Midas Rex
- 2002:** Award for most interesting scientific paper at the annual meeting of the Caribbean Association of Neurological Surgeons
- 2001:** Lou Grubb fellowship in Skull Base Anatomy, Barrow Neurological Institute
- 2000:** Clinical and teaching excellence award from the Hospital Rebagliati, Lima, Peru
- 1999:** Clinical and teaching excellence award from the Hospital G. Almenara, Lima, Peru
- 1997:** Scholar at the University of California, Irvine
- 1996:** Magna Cum Laude. Neurosurgical Training Diploma, University of Naples.
- 1994:** Bruel & Kijel travelling fellowship award at the department of Neurosurgery at the Righospitalet in Copenhagen, Denmark
- 1991:** Resident award - 5/years European Community grant in Neurosurgery training program, University of Naples, Italy

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