

CURRICULUM VITAE

Moisés Alberto Arriaga, M.D., M.B.A., F.A.C.S.

PRESENT POSITIONS:

Director of Neurotology
LSU Department of Otolaryngology – Head and Neck Surgery
533 Bolivar Street, 5th Floor, New Orleans, Louisiana

Director, Hearing and Balance Center
Our Lady of the Lake Regional Medical Center
7777 Hennessy Blvd, # 709, Baton Rouge, Louisiana 70808

Director, Hearing and Balance Center
Culicchia Neurological Clinic
1111 Medical Center Blvd Suite # S650, Marrero, Louisiana 70072

President, New Orleans Neurotology Consultants, Inc.

Program Director, LSU/Our Lady of the Lake Neurotology Fellowship Program
533 Bolivar Street, 5th Floor
New Orleans, LA 70112
Our Lady of the Lake Regional Medical Center
7777 Hennessy Blvd, # 709, Baton Rouge, Louisiana 70808

Clinical Professor of Otorhinolaryngology – Head and Neck Surgery and Clinical Professor of Neurological Surgery, Louisiana State University Health Science Center, New Orleans, Louisiana

ACADEMIC APPOINTMENTS/ EMPLOYMENT HISTORY:

2012 – Present	Program Director LSU Neurotology Fellowship (ACGME-accredited) New Orleans, Louisiana and Baton Rouge, Louisiana
2012 - Present	Director, Hearing and Balance Center Culicchia Neurological Clinic Marrero, Louisiana
2006 – Present	Founder and Director Hearing and Balance Center Our Lady of the Lake Regional Medical Center Baton Rouge, Louisiana
1999 – 2009	President Pittsburgh Ear Associates, P.C. Pittsburgh, Pennsylvania
1999 – 2009	President Pittsburgh Ear Research Foundation Pittsburgh, Pennsylvania
1996 – 2005	Allegheny General Hearing and Balance Center Founder and Director Pittsburgh, Pennsylvania
June 1996 - 2005	Clinical Associate Professor (Otolaryngology)

June 1996 - 2009	University of Pittsburgh Pittsburgh, Pennsylvania Adjunct Associate Professor of Surgery (Otorhinolaryngology and Neurosurgery) Drexel University previously (MCP Hahnemann) Pittsburgh, Pennsylvania
July 1992 - 2008	Clinical Assistant Professor of Surgery Department of Surgery Uniformed Services University of the Health Sciences F. Edward Hebert School of Medicine
May 2003 - 2005	Adjunct faculty member Duquesne University - School of Nursing Pittsburgh, Pennsylvania
July 1991 - May 1996	Director of Otology and Neurotology Department of Otolaryngology Wilford Hall USAF Medical Center
October 1991 - May 1996	Clinical Associate Professor of Otolaryngology University of Texas Health Science Center San Antonio, Texas
Sept. 1991 - May 1996	Faculty School of Aerospace Medicine Brooks Air Force Base, Texas

PROFESSIONAL EDUCATION:

UNDERGRADUATE

1978-1982	Brown University Human Biology	ScB with Honors	Providence, Rhode Island
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MEDICAL

1981-1985	Brown University Medical School	MD	Providence, Rhode Island
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POST GRADUATE TRAINING

1985 - 1986	Ochsner Foundation	General Surgery Internship	New Orleans, Louisiana
1986 – 1990	University of Pittsburgh	Otolaryngology Residency	Pittsburgh, Pennsylvania
1990 – 1991	House Ear Clinic and House Ear Institute	Neurotology/Otology Clinical Fellowship	Los Angeles, California

GRADUATE

2002 – 2004	Alvernia College & Pennsylvania Medical Society	Masters in Business Administration (MBA)	Reading, Pennsylvania
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CERTIFICATION AND LICENSURE:

NATIONAL BOARD CERTIFICATION

1986	National Board of Medical Examiners
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MEDICAL LICENSURE

1987	Pennsylvania	MD-037934E
1989	California	G-066176
1992	Texas	J3038
2005	Louisiana	200006

American Board of Medical Specialties (ABMS) CERTIFICATION

1990 – Non-Expiring	American Board of Otolaryngology
2004 - 2024	Board Certification in Neurotology

ADDITIONAL SPECIAL TRAINING:

1994	Stereotactic Radiosurgery - Linear Accelerator Xknife-2	Radionics	Burlington, MA
1994	Executive Training in Total Quality Management	Lackland AFB	San Antonio, TX
1994	Outcomes Medical Management	St Luke's Center for Management Innovation	Houston, TX
1995	Executive Management	Lackland AFB	San Antonio, TX
1997	Design, Measurement and Analysis of Health Outcomes Studies	Harvard School of Public Health	Boston, MA
1997	CLARION Surgical Training Workshop	Clarion	Pittsburgh, PA
1998	Medico legal Assessment of Hearing Loss		Hilton Head, SC
2000	Clinical Otologic Research Team: OTO CEM	Ionomeric Cement Course	Raleigh, NC
2001	Nucleus 24 Auditory Brainstem Implant Surgical Training	House and Ear Institute and Cochlear Corporation	Los Angeles, CA
2002	Daiichi Program in Evidence-Based Medical Research and Biostatistics	American Academy of Otolaryngology - Head and Neck Surgery Foundation	Washington DC
2003	Hearing Preservation Workshop II	Goethe University	Frankfurt, Germany
2008	Brain Lab Stereotactic Radiosurgery – User Update	Allegheny General Hospital	Pittsburgh, PA
2009	Hearing Preservation Workshop	Med-EI	Vienna, Austria
2009	Gamma Knife Principles and Practice	University of Pittsburgh Medical Center	Pittsburgh, PA
2010	Envoy Surgeon Implantation Training	Envoy	Minneapolis, MN
2010	Med-EI Deep Implantation Workshop	Med-EI	Kansas City, KS

2011	Maxum, Partially Implantable Workshop	Ototronix	Houston, TX
2013	Endoscopic Eustachian Tube Balloon Dilation	Acclarent	Baltimore, MD
2014	Endoscopic Ear Surgery and Advanced Otology Workshop	St. Louis University	St. Louis, MO
2014	Pediatric Cochlear Implants	14 th International Pediatric Cochlear Implant Meeting	Nashville, TN
2015	Update in Internal Medicine	Harvard University	Boston, MA
2016	Cochlear™ Nucleus® Auditory Brainstem Implant (ABI) Introductory Course	Cochlear™	Denver, CO

PROFESSIONAL COMMITTEES:

American Academy of Otolaryngology - Head and Neck Surgery:
 Task Force on New Materials (1995-1998)
 Home Study Course Section (1998-2001)
 IFOS Committee on Prevention of Hearing Impairment (1994-2000)
 Implantable Hearing Devices Subcommittee (1999-2005)
 Telemedicine Subcommittee (2008 – 2009)
 Physician Resource Committee: Mid-level Provider Subcommittee (2009)
 CPT/RVU Committee: ANS Society Representative (2011-present)

American Board Of Otolaryngology
 Otolaryngology Training Exam Committee (1998 -2002)

American Neurotology Society
 Past-Chairman of the Facial Nerve Committee
 CME Committee (2005 - 2010)
 Executive Council (2011-Present)
 Secretary-Treasurer (2014-2016)
 President Elect (Term 2017-2018)

American Otological Society
 Scientific Program Committee (2005, 2007)
 Audit Committee (2005, 2007 – 2010)
 Program Advisory Committee (2010)

North American Skull Base Society
 Program Committee (2008 – 2009)

Otosclerosis Study Group
 Nominating Committee (2009)
 Program Committee (2012)
 President-Elect (2016)

National Committee on Health Policy
 American Academy of Otolaryngology - Head and Neck Surgery

Age-Related Hearing Loss Measure Development Group (2017)

PROFESSIONAL JOURNAL EDITORIAL REVIEW BOARDS AND ARTICLE REVIEWER:

Otology and Neurotology: An International Forum (formerly The American Journal of Otology)

Article Review Board (1991 - 1994)

Book Review Editor and Article Reviewer (1996 - Present)

Associate Editor (2011 – Present)

Board of Directors Otology and Neurotology, Inc (2013 – present)

Otolaryngology - Head and Neck Surgery (1992-Present)

Editorial Board 2005 - 2010

Mayo Clinic Proceedings (1996 – 1999)

Archives of Otolaryngology - Head and Neck Surgery (1996-Present)

Aviation Space and Environmental Medicine (1998)

ACTA OTORRINOLINGOLOGICA ESPAÑA (1998)

Laryngoscope (1996- Present)

Neurosurgery (2010 – Present)

PUBLIC SERVICE ACTIVITIES:

Latin American Otitis Media Research and Training Program

1988 – 1998

Board of Directors

- International Voluntary Organization of Otolaryngologists and Pediatricians which trains primary care providers in the diagnosis and management of otitis media in Latin America

USAF Humanitarian Mission

Comayagua, Honduras

- Cleft Palate Clinic

August 1995

USAF Humanitarian Mission

Honduras

- Otitis Media Outreach

November 1995

DePaul School for Hearing and Speech Medical Advisory Board

Pittsburgh, PA

- Board of Directors

2006 – 2011

New Orleans Hearing Health Fair

New Orleans, LA

Director

June 2007

- Service of PERF, LSU Otolaryngology, Episcopal Diocese of Louisiana and Siemens Hearing Aid

Louisiana Commission for the Deaf

2013 - Present

HONORS:

1978

National Forensic League Debate Championship, Evanston, Illinois

1982

Sigma Chi Scientific Honor Society

1984

Faculty Scholar Award, Brown University, Providence, Rhode Island

1985	Brown University Medical School Commencement Class Speaker
1989	Finalist, American Society of Head and Neck Surgery Scholastic Award
1989	Frances Davison Award for Best Clinical Research Paper
1989	George Schein Memorial Award, Annual Resident Research Competition
1989	AMA-Burroughs Welcome Resident Leadership Award for Community Service
1990	George Schein Memorial Award, Annual Resident Research Competition
1993	Staff Physician of the Quarter Wilford Hall Medical Center, Lackland AFB, TX
1994	Promotion to Lieutenant Colonel USAF Medical Corps Two Years "Below-the-Zone"
1995	USAF Meritorious Service Medal
1996	USAF Achievement Medal
1997	Honor Award - American Academy of Otolaryngology - Head and Neck Surgery
1997	Physicians Recognition Award of American Medical Association
1998	Awarded listing in <i>Outstanding Young Men of America</i>
1999	Honorary Member - Academy of Science of Galicia, Spain
2001	Daiichi Clinical Scholars in Outcomes Research, American Academy of Otolaryngology – Head and Neck Surgery
2002 - 2009	Pittsburgh Magazine's, <i>Top Doctors</i>
2005	New Orleans Magazine's, <i>Top Doctors</i>
2006	Distinguished Service Award – American Academy of Otolaryngology – Head and Neck Surgery
2009 - 2015	"Who's Who in America"
2001 - 2015	Castle Connolly Medical Ltd.'s <i>Top Doctors in America</i>
2008 - 2013	Louisiana Life "Top Doctors"
2010 - 2013	Listing in Executive Registry of Who's Who
2011 - Present	Acoustic Neuroma Association designation as Center of Excellence in Directory
1998 - 2015	<i>The Best Doctors in America</i>
2014 – 2015	Med El Surgery Advisory Board
2014	Faculty Supervisor, TOROK Award, American Neurotology Society Rahul Mehta, MD Recipient
2014	Faculty Supervisor, AOS Travel Award, American Otological Society Neal Jackson, MD Recipient

PROSPECTIVE CLINICAL TRIALS:

Cochlear 24 Channel Cochlear Implant – Adult Trials	Investigator	
Clinical Otologic Research Team – CORT	A national research consortium of otologists in private practice and academic practice providing New Technology Trials of Otologic products, implants and devices	1997 - Present
A Twelve-Month, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Quality of Life and Safety Associated with the Long-Term Use of Alosetron in Subjects with Irritable Bowel Syndrome	Otologic Evaluation Component Investigator	1997
Symphonics Sound Bridge Implantable Hearing Device Trial (USA Study)	Investigator	1998
Implex Corporation: Total Implantable Cochlear Amplifier Trial (USA Study)	Investigator	
CLARION Multi-Strategy Cochlear Implant System in Severely and Profoundly Hearing Impaired Adults	Investigator	
Envoy Medical Corporation's Envoy Totally Implantable Hearing System, US Clinical Trial - Phase I FDA study	Investigator	2001 – 2004

Respironic's Corporation: Rock It Vestibular Stimulation Sleep Enhancer- An Assessment of Audio vestibular Effects	Investigator	2003 – 2005
Envoy Totally Implantable Hearing System Clinical Trial Investigational Plan U.S. Pivotal and European CE Mark Trial	Investigator	2003 – 2006
Clinical Evaluation of the Nucleus 5 Cochlear Implant System	Investigator	2010 – Present
BAHA 400 , Cochlear Corporation Limited Release Investigation	Surgeon	2013
Acclarent Elliot Eustachian Tube Balloon Dilaton National Trial	Principal Investigator – local site	2013-2016
EarLens Prospective Trial		2015 - Present

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES:

Allegheny County Medical Society	1996-2010
American Academy of Otolaryngology - Head and Neck Surgery	1986 - Present
American College of Surgeons – Fellow	1994 - Present
American Legion Member	1996-Present
American Medical Association	1981 - Present
American Neurotology Society – Fellow	1994 - Present
American Otological Society – Member	1996 - Present
Baton Rouge Otolaryngology Society	2006 - Present
Capital Medical Society	2006 - Present
Greater New Orleans Otolaryngology Society	2005 - Present
House Ear Institute Fellows Alumni Group (Past President)	1991- Present
Louisiana Medical Society	2005- Present
North American Skull Base Society – Fellow	1991 - Present
Otosclerosis Study Group	1999 - Present
Pennsylvania Academy of Otolaryngology - Head and Neck Surgery, Chairman of Otology and Hearing Conservation Committee	2003 -2005
Pennsylvania Medical Society	1996-2010
Sir Charles Bell Society	1990
Society of Ear, Nose, and Throat Advances in Children	1987
Triological Society: American Laryngological, Rhinological and Otological Society	
Member	2005 - Present
American Neurotology Society – Secretary Treasurer	2015-16
President-Elect	2016-17
President	2017-18
Otology and Neurotology; Board of Directors	2013-present
AAOHNS Board of Governors, ANS Representative	2013-present

PUBLICATIONS:

TEXTBOOKS:

Brackmann D, Shelton C, Arriaga M (editors): Otologic Surgery, W.B. Saunders Co. Philadelphia, PA, September 1994.

Fukushima T, Arriaga MAA, Chen DA: Temporal Bone Dissection Manual, Allegheny Neuroscience Institute, Pittsburgh, PA, 1996.

Arriaga MA, Day J: Neurosurgery and Otolaryngology: Principles and Practice of Collaborative Surgery. Lippincott Press. New York. September 1999.

Syms CA, Arriaga MA: Rehabilitation of Neuro-Otologic Deficits. Otolaryngologic Clinics of North America 30:5, October 1997.

Syms CA, Arriaga MA, De La Cruz A: Board Review in Otolaryngology. Thieme Press (In preparation scheduled publication 2003).

Brackmann D, Shelton C, Arriaga M (editors): Otologic Surgery, Second Edition. W.B. Saunders Co. Philadelphia. May 2001.

Brackmann D, Shelton C, Arriaga M (editors): Otologic Surgery, Third Edition. W.B. Saunders Co. / Elsevier Philadelphia: 2010.

Brackmann DE, Shelton C and Arriaga MA (editors): Otologic Surgery, 4th Edition. W.B. Saunders Co./ Elsevier Philadelphia: December 2015.

TEXTBOOK CHAPTERS:

Mazur E, Arriaga M, South K, Cohen J: Polypoidization of human megakaryocytes in culture. pp. 193-199. In Levine R, Williams J, Levin J, Evatt B (eds.): Megakaryocyte Development and Function. Alan R. Liss, Inc., New York, 1986.

Myers EN, Arriaga M: Salivary gland pathology. In Costa SS, Cruz OL (eds.): Otorhinolaryngologia- A Basic Textbook. Editora Artes Medica Sul Ltda. Sao Paulo, June 1991.

Arriaga M, Brackmann D: Differential diagnosis of posterior fossa skull base neoplasms. In Cummings C, Fredrickson J, Krause C, Schuller D (eds.): Otolaryngology - Head and Neck Surgery. C.V. Mosby Co., St. Louis, Second Edition, September 1992.

Arriaga M, Brackmann D: Surgical approaches for posterior fossa skull base neoplasms. In Cummings C, Fredrickson J, Krause C, Schuller D (eds.): Otolaryngology - Head and Neck Surgery. C.V. Mosby Co., St. Louis, Second Edition, September 1992.

Arriaga M, Brackmann D: Surgery for glomus tumors. In Brackmann D, Shelton C, Arriaga M (eds.): Otologic Surgery. W.B. Saunders, 1994.

Arriaga M: Anatomy of transtemporal surgery. In Janecka IP and Tiedemann K (Eds.): Skull Base: Anatomy, Biology, and Technology. Raven-Lippincott, Philadelphia, 1997.

Arriaga M: Middle fossa approaches. In Fukushima T (ed.): ANI Manual of Skull Base Dissection. Allegheny Neuroscience Institute, 1996.

Arriaga M, Brackmann D: Posterior fossa skull base neoplasms. In Cummings C, Fredrickson J, Krause C, Schuller D (eds.): Otolaryngology - Head and Neck Surgery. C.V. Mosby Co., St. Louis, Third Edition, Vol. 4:169; 3294 - 3330, June 1998.

Arriaga MA: Traumatic Facial Paralysis. Current Therapy in Otolaryngology, Head and Neck Surgery. Gates (edition). Mosby. Pages 121-125, January 1998.

Green JD, De La Cruz A, Arriaga MA et al: Surgical Management of Glomus Jugular Tumors with Intracranial Extension in Skull Base Surgery: First Int. Skull Base Congress, Hanover 1992, Sami M (ed) 1006-1009, Karger, 1994.

Arriaga MA, Chen DA: Surgical Treatment of Uncompensated Vestibular Disease. In Syms CA, Arriaga MA (eds.): Rehabilitation of Neurotologic Disease. WB Saunders Company, Philadelphia, Vol. 30:5; 759-

776, October 1997.

- Amedee RG, Derkay C, Tami TA, Hendrix RA, Arriaga MA, Benninger MS: Home Study Course - Ethics and Socioeconomic Issues in Otolaryngology. American Academy of Otolaryngology - Head and Neck Surgery Foundation, Inc. Section 2, November - January 1997-1998.
- Arriaga MA: Glomus Tympanicum Paragangliomas. In Jackler RA and Driscoll C (eds.) Tumors of the Ear and Temporal Bone. Lippincott Williams and Wilkins, Philadelphia, May 2000.
- Arriaga MA: Cholesteatoma. In Alper C, Myers EM, Eibling DE (eds.) Decision-Making in Ears, Nose and Throat Disorders. W.B. Saunders Co., Philadelphia, 2001.
- Arriaga MA: Tumors of the Ear and Temporal Bone. In Alper C, Myers EM, Eibling DE (eds.) Decision-Making in Ears, Nose and Throat Disorders. W.B. Saunders Co., Philadelphia, 2001.
- Carrau RL, Kassam A, Arriaga MA: Surgical Approaches to the Infratemporal Fossa. In E-Textbook in ENT. Submitted to E-Medicine, 2000.
- Arriaga MA: Mastoidectomy: The Canal Wall Down Procedure. In Brackmann DE, Shelton C, Arriaga MA (eds.) Otologic Surgery, Second Edition. W.B. Saunders Co., Philadelphia. June, 2001.
- Chen DA, Arriaga MA: Acute Facial Paralysis. In Pensak ML (ed.) Controversies in Otolaryngology. Thieme Medical Publishers, 227-231, 2001.
- Arriaga MA: Overview of Transtemporal Skull Base Surgery. In Brackmann DE, Shelton C, Arriaga MA (eds.) Otologic Surgery, Second Edition. W. B. Saunders Co., Philadelphia. June, 2001
- Brackmann DE, Arriaga MA: Surgery for Glomus and Jugular Foramen Tumors. In Brackmann DE, Shelton C, Arriaga MA (eds.) Otologic Surgery, Second Edition. W.B. Saunders Co., Philadelphia. June 2001.
- Carrau RL, Kassam A, Arriaga MA: Anterior and Subtemporal Approaches to the Infratemporal Fossa. In Brackmann DE, Shelton C, Arriaga MA (eds.) Otologic Surgery, Second Edition. W. B. Saunders Co., Philadelphia. June 2001.
- Arriaga MA, Chen DA: Facial Nerve Paralysis After Acoustic Neuroma Surgery: Prognosis and Prevention. In Shelton C (ed.) Update on Facial Nerve Disorders. American Academy of Otolaryngology - Head and Neck Surgery Foundation, Inc. Alexandria, VA. 2001.
- Arriaga MA: Facial Nerve Repair - Cerebellopontine Angle and Intratemporal Facial Nerve Techniques. In Shelton C (ed.) Update on Facial Nerve Disorders. American Academy of Otolaryngology - Head and Neck Surgery Foundation, Inc. Alexandria, VA 2001.
- Arriaga MA, Chen DA: Paragangliomas del Hueso Temporal. In Suarez C, Medina Jesús (eds.) Tratado de Otorrinolaringología y Cirugía de Cabeza y Cuello. Proyectos Médicos, S.L. San Fernando de Henares (Madrid), Chapter 178, pg. 2454-2465, 2000.
- Brackmann DE and Arriaga MA: Posterior fossa skull base neoplasms. In Cummings C, Fredrickson J, Krause C, Schuller D (eds.): Otolaryngology - Head and Neck Surgery. C.V. Mosby Co., St. Louis, Fourth Edition, December, 2004.
- Arriaga MA: Tumores Gnómicos del oído medio y del golfo yugular. In García JM (ed) Otología. Bogotá, Columbia.
- Arriaga MA: Tumores Temporales. In Barberan MT, Pérez TP, Srekelsen MB (eds): Protocolos Clínicos de Otorrinolaringología. Barcelona, España 2005.
- Arriaga MA: Proceedings for the 5th International Symposium on Meniere's Disease and Inner Ear Homeostasis Disorders. House and Ear Institute Press, Los Angeles, CA August, 2005.

- Arriaga MA: Temporal Bone Resection. In Myers EN and Ferris RL (eds.) Salivary Gland Disorders. Springer-Verlag Berlin Heidelberg, Chapter 23, 393-405, 2007.
- Arriaga MA: Glomus Yugal y Timpanico. In Sanjuán AP, Gómez JMG, Pinzón M (eds): Manual de Otorrinlaringología, Cabeza y Cuello. AMOLCA, Caracas, Venezuela, 2007.
- Arriaga MA: Tumores de la Fosa Posterior y Vías de Acceso. In Juan Andrade Pradillo y German Fajardo Dolci (ed): Temas Selectos en Otorrinlaringología, Editorial Alfil, México DF, México, 2007.
- Arriaga MA, Ying YM: Tinnitus in Meniere's Disease. In Moller, A, Lanoglouth, B; DeRidder, D, Kleniumg, T (eds) Textbook of Tinnitus. Springer, Philadelphia, 2010.
- Arriaga MA: Malignancies of the Temporal Bone - Limited and Radical Temporal Bone Resection. In Brackmann DE, Shelton C and Arriaga MA (editors): Otologic Surgery, 4th Edition. W.B. Saunders Co. /Elsevier Philadelphia, December 2015.
- Arriaga MA: Mastoidectomy: The Canal Wall Down Procedure. In Brackmann DE, Shelton C and Arriaga MA (editors): Otologic Surgery, 4th Edition. W.B. Saunders Co. /Elsevier Philadelphia, December 2015
- Arriaga MA: Overview of Transtemporal Skull Base Surgery. In Brackmann DE, Shelton C and Arriaga MA (editors): Otologic Surgery, 4th Edition. W.B. Saunders Co. /Elsevier Philadelphia, December 2015.
- Arriaga MA: Surgery for Glomus Tumors and Other Lesions of the Jugular Foramen. In Brackmann DE, Shelton C and Arriaga MA (editors): Otologic Surgery, 4th Edition. W.B. Saunders Co. /Elsevier Philadelphia, December 2015.
- Arriaga MA: Anterior and Subtemporal Approaches to the Infratemporal Fossa. In Brackmann DE, Shelton C and Arriaga MA (editors): Otologic Surgery, 4th Edition. W.B. Saunders Co. /Elsevier Philadelphia, December 2015.
- Arriaga MA, Brackmann D: Posterior Fossa Neoplasms. In Flint PW, Haughey BH, Lund VJ, Niparko JK, Richardson JA, Robbins T, Thomas JR: Cummings Otolaryngology: Head & Neck Surgery, sixth edition. Elsevier Mosby Saunders, Philadelphia, PA, December 2015.
- Ying YL, Arriaga MA: Meniere's Ablative Therapy. In DeSouza C, Chaturvedi P, Langman A, Kenyon G, Bhattacharya A, Nerurkar N, and Swift A (eds): Otorhinolaryngology Head and Neck Surgery, 2nd Edition. Jaypee Brothers Medical Publishers Pvt. Ltd., in press 2015.
- Arriaga MA: Endolymphatic Sac Surgery. In Roland JT (ed.), Meyers EN (series editor): Master Techniques in Otolaryngology – Head and Neck Surgery: Otology and Lateral Skull Base Surgery. Wolters Kluwer – Lippincott Williams & Wilkins, Philadelphia, PA, Jan 2017.
- Sappington J and Arriaga MA: Acoustic Neuroma. In Myers EN and Snyderman CH (eds): Operative Otolaryngology, 3rd Edition. Elsevier, Philadelphia, Sept. 2017.

PEER-REVIEWED SCIENTIFIC PUBLICATIONS:

- Arriaga M, South K Cohen J, Mazur E: Interrelationship between mitosis and endomitosis in cultures of human megakaryocyte progenitor cells. *Blood* 69(2):492-496, 1987.
- Arriaga M, Myers E: Ectopic thyroid in the retroesophageal superior mediastinum. *Otolaryngol Head Neck Surg* 99(3):338-340, 1988. PMID: 3141876
- Arriaga M, Derkay C: Pathology quiz: Kaposi's sarcoma. *Arch Otolaryngol Head Neck Surg* 115(3):390-393, 1989. PMID: 2917077

- Arriaga M, Bluestone C, Stool S: The role of tympanocentesis in the management of septic infants. *Laryngoscope* 99(10): 1048-1051, 1989. PMID: 2796554
- Arriaga M, Hirsch B, Kamerer D, Myers E: Squamous cell carcinoma of the external auditory meatus. *Otolaryngol Head Neck Surg* 101(3): 330-337, 1989.
- Arriaga M, Janecka I: Surgical exposure of the nasopharynx: Anatomical basis for a transfacial approach. *Surgical Forum* 40:547-549, 1989.
- Arriaga M, Eavey R, Stool S, Guerrero J, Odio C, Santos J: Programa educativo y de investigaciones sobre diagnóstico y tratamiento de otitis media en Latino América. *Bol Med Hosp Infantil Mexico* 42:2, 1990. PMID: 2337464
- Sculerati N, Arriaga M: Otolaryngologic management of post-transplantation lymphoproliferative disease in children. *Ann Otol Rhinol Laryngol* 99:445-450, 1990.
- Janecka I, Sen C, Sekhar L, Arriaga M: Facial translocation: A new approach to the cranial base. *Otolaryngol Head Neck Surg* 103(3): 413-419, 1990.
- Arriaga M, Dindzans L, Bluestone C: Parotid duct communicating with a labial pit and ectopic salivary cyst. *Arch Otolaryngol Head Neck Surg* 116(12): 1445-1447, 1990. PMID: 2248750
- Rothfield R, Arriaga M, Felder H: Peritonsillar abscess in Kawasaki's disease. *Intl J Ped Otolaryngol* 20(1990):73-79. PMID: 2262296
- Arriaga M, Kanel K, Johnson J, Myers EN: Medical complications in total laryngectomy: Incidence and risk factors. *Ann Otol Rhinol Laryngol* 99(8): 611-615, 1990. PMID: 2382932
- Arriaga M, Myers EN: Surgical management of chronic parotitis. *Laryngoscope* 100(12): 1270-1275, 1990. PMID: 2243516
- Arriaga M, Curtin H, Takahashi H, Hirsch B, Kamerer D: A TNM staging proposal for external auditory meatus carcinoma based on preoperative clinical examination and CT scan findings. *Ann Otol Rhinol Laryngol* 99(9): 714-721, 1990.
- Arriaga M, Curtin H, Takahashi H, Kamerer D: The role of preoperative CT scans in staging external auditory meatus carcinoma: A radiological-pathological correlation study. *Otolaryngol Head Neck Surg* 105 (1): 6-11, 1991.
- Arriaga M, Janecka I: Facial translocation approach to the cranial base: The anatomical basis. *Skull Base Surgery* 1(1): 22-30, 1991. PMID: 17170817
- Arriaga M, Myers EN: Carcinoma de laringe: experiencia de la Universidad de Pittsburgh en el tratamiento de 606 casos. *Anales Otorinolar Mex XXXVI* (Ene. Feb. y Mar):19-22, 1991.
- Arriaga M, Brackmann D: Differential diagnosis of primary petrous apex lesions. *Am J Otolaryngol* 12(6): 470-474, 1991. PMID: 1805645
- Weissman JL, Arriaga MA, Curtin HD, Hirsch BE: Duplication anomaly of the internal auditory canal. *Am J Neurorad* 12:867-869, September/October 1991.
- Nassif P, Shelton C, Arriaga M: Hearing preservation: A realistic goal in surgical removal of meningiomas affecting the temporal bone. *Proceedings of the Pacific Coast Oto-Ophthalmological Society. Volume 72*: 105-107, 1991.
- Arriaga M, Brackmann D: Facial nerve repair techniques in cerebellopontine angle tumor surgery. *Am J Otolaryngol* 1992 Jul;13(4):356-9. PMID: 1415500
- Arriaga M, Lo W, Brackmann D: Imaging case study of the month. Magnetic resonance angiography of

- synchronous bilateral carotid body paragangliomas and bilateral vagal paragangliomas. *Ann Otol Rhinol Laryngol* 101(11): 950-953, 1992. PMID: 1444104
- Nassif P, Shelton C, Arriaga M: Hearing preservation following surgical removal of meningioma's affecting the temporal bone. *Laryngoscope* 102(12): 1357-1362, 1992.
- Arriaga MA, Shelton C, Nassif P: Selection of surgical approach in meningioma's affecting the temporal bone. *Otolaryngol Head and Neck Surg* 107: 738-744, January 1993.
- Arriaga MA, Luxford WM, Atkins J, Kwartler J: Predicting long-term facial nerve outcome following acoustic neuroma surgery. *Otolaryngol Head and Neck Surg* 108 (3):220-224, 1993. PMID: 8464633
- Arriaga M, Luxford W. Impedance audiometry and iatrogenic hearing loss. *Otolaryngol Head Neck Surg* 108(1):70-72, 1993. PMID: 8437876
- Arriaga M, Brackmann D, Hitzelberger W: Extended middle fossa resection of petroclival and cavernous sinus neoplasms. *Laryngoscope* 103 (6): 693-698, 1993. PMID: 8502105
- Long S, Arriaga M, Nelson R: Acoustic neuroma volume: MRI-based calculations and clinical implications. *Laryngoscope* 103 (10): 1093-1096, October, 1993.
- Arriaga M, Long S, Nelson R: Clinical correlates of acoustic neuroma volume. *Am J Otolaryngol* 14 (5): 465-468, September 1993. PMID: 8122709
- Telischki F, Arriaga M, Lo W, De La Cruz A: Lateral extent of internal auditory canal involvement by acoustic neuromas: A surgical-radiological correlation. *Am J Otolaryngol* 14 (5): 446-450, September 1993. PMID: 8122705
- Boyd ER, Arriaga MA, Kluznick RM: Preoperative SPGR MRI in surgical planning for petrous apex cholesterol granuloma excision via the transcanal infracochlear approach. Published in Abstract Form, *Skull Base Surgery* 3 (Supplement), p. 26, January 1993.
- Arriaga MA, Carrier D, Chapel P, Kluznick R: Magnetic resonance imaging in surgical planning for cochlear implantation. *Southern Medical Journal* 86 (9): S90, September 1993.
- Wiseman J, Boyd E, Arriaga MA: Reactive fibrous tumor of the facial nerve. *Southern Medical Journal* 86 (9): S96, September 1993.
- Arriaga MA, Gorum M, Griffith M, Haid R, Masel D: Transcochlear exposure of the ventral brainstem. *Southern Medical Journal* 86 (9): S60, September 1993.
- Eavey RD, Santos JI, and Arriaga MA et al: An educational model for otitis media care field tested in Latin America. *Otolaryngol Head Neck Surg* 109 (5): 895-898, 1993. PMID: 8247571
- Arriaga MA, Berliner K, Luxford WM: Facial nerve function following middle fossa and translabyrinthine acoustic neuroma surgery: a comparison. *Am J Otolaryngol* 15 (5): 620-624, September 1994. PMID: 8572062
- Arriaga MA: Cholesteatoma in children. *Otolaryngologic Clinics of North America*, 72 (3): 573-591, June 1994. PMID: 8065759
- Green JD, Nguyen CD, Arriaga MA et al: Surgical management of previously untreated glomus jugular tumors. *Laryngoscope*, 104 (8) 917-921, August 1994. PMID: 8052073
- Arriaga MA, Lo WWM, Brackmann DE: Metastatic melanoma to the cerebellopontine angle. Clinical and imaging characteristics. *Arch Otolaryngol* 121 (9) 1052-1056, 1995. PMID: 7646858
- Arriaga MA, Haid RM, Masel DM: Antidromic stimulation of the Greater Superficial Petrosal Nerve (GSPN) in Middle Fossa Surgery. *Laryngoscope* 105 (1): 102-105, 1995.

- Noordzij JP, Arriaga MA, Stone AB: Differentiating bony lesions of the external auditory canal. *Ear Nose Throat Journal* 74 (1): 49-51, January, 1995. PMID: 7867531
- Arriaga MA, Marks SO: Simultaneous cochlear implantation and acoustic neuroma resection: imaging considerations, technique, and functional outcome. *Otolaryngol Head Neck Surg* 112(2): 325-328, February, 1995. PMID: 7838558
- Arriaga MA, Carrier D, Houston GD: False positive MRI of small IAC tumors: A clinical, radiologic, and pathologic correlation study. *Otolaryngol Head Neck Surg* 113 (1):61-70, 1995. PMID: 7603724
- Wiseman JB, Arriaga MA, Houston GD, Boyd EM: Facial paralysis and inflammatory pseudotumor of the facial nerve in a child. *Otolaryngol Head Neck Surg.* 1995 Dec;113(6):826-8. PMID: 7501405
- Arriaga MA Gorum M: Indications and variations of transcochlear exposure of the ventral brainstem. *Laryngoscope*, 106(5) pt 1:639-644, May, 1996. PMID: 8628096
- Arriaga MA and Carrier D: MRI and clinical decisions in cochlear implantation. *Am J Otology*, 17(4): 547-553, July, 1996. PMID: 8841699
- Arriaga MA: Enhanced retrosigmoid exposure with posterior semicircular canal resection. *Otolaryngol Head and Neck Surg*, 115(1):46-48, July, 1996.
- Arriaga MA: Preservación de la audición en neurinomas del nervio acústico. *Organización Puertorriqueña de Patología del Habla y Lenguaje y Audio logía*, Volumen 13, Núm. 1, 1996.
- Arriaga M, Gorum M, Kennedy A: Clinical pathways in acoustic neuroma management. *Laryngoscope*. 107:602-606, May 1997. PMID: 9149160
- Carrier D and Arriaga MA: Cost effective evaluation of asymmetric sensorineural hearing loss with focused MRI. *Otolaryngol Head and Neck Surg.* Vol 116, Num 6, Part 1, page 567-574, June, 1997. PMID: 9215364
- Arriaga MA, Chen DA: Vestibular nerve section in the treatment of vertigo. *Contemporary Neurosurgery.* Vol. 19, Num. 14, page 1-7, July 1997.
- Carrier D, Arriaga M, Dahlen R: Preoperative embolization of anastomoses of the jugular bulb: An adjuvant in jugular foramen surgery. *Am J Neuroradiology.* Vol 18, Num 7, 1252-1256, August, 1997. PMID: 9282850
- Arriaga MA, Chen DA, Fukushima T: Individualizing hearing preservation in acoustic neuroma surgery. *Laryngoscope* 107, pages 1043-1047, August 1997. PMID: 9261005
- Arriaga MA, Chen DA: Surgical treatment of uncompensated vestibular disease. *Otolaryngologic Clinics of North America*, Vol. 30, No. 5, 759-776, October 1997. PMID: 9295252
- Yu KCY, Arriaga MAA, Chen DA: Cerebellopontine angle tumor outcomes in patients with hazardous occupations. *Laryngoscope* 107:12, part 1, page 1610 - 1613, December 1997. PMID: 9396673
- Arriaga MA: Post-traumatic hydrops. *Otolaryngologic Clinics of North America.* Vol 30, #6, 1117-1122, December, 1997. PMID: 9386247
- Chen DA, Rothfus WE, Arriaga MA: Imaging Case of the Month: Cavernous Hemangioma. *Am J Otology* 18:671-672, 1997. PMID: 9303168
- Bennett JR, Syms CA, Arriaga MA: Preoperative evaluation of brain hernia within the temporal bone. *Otolaryngology - Head and Neck Surgery*, August 1997: p207.
- Chen DA, Arriaga MA, Fukushima T: Technical refinements in retraction for middle fossa surgery. *Am J Otology* 19:208-211, March, 1998. PMID: 9520058

- Arriaga MA, Dixon P: Cytotoxicity of cytokeratin monoclonal antibody against keratinocytes - A possible therapeutic adjunct for cholesteatoma? *Am J Otolaryngol* 19:26-29, January 1998. PMID: 9455943
- Thiringer KD, Arriaga MA: Stapedectomy in military aircrew. *Otolaryngol Head Neck Surg* 118(1):9-14, January, 1998. PMID: 9450822
- Arriaga MA, Villaseñor A, Eavey R, et al: Educational outcomes of an otitis media workshop for primary care providers in Latin America. *Otolaryngol Head and Neck Surg*. Vol 118, Num 3, Part 1, page 394-396, March 1998. PMID: 9580113
- Arriaga MA, Chen DA: Tratamiento quirúrgico de la enfermedad vestibular descompensada. *ORL Update*, Volumen 1, numero 2, 1998.
- Arriaga MA, Goldman S: Hearing results of intratympanic steroids in endolymphatic hydrops. *Laryngoscope* 108:1682-1685, November 1998. PMID: 9818826
- Arriaga MA, Chen DA: Lasers in Otolaryngology. *St. Francis Journal of Medicine*. Vol 5, No. 1, 19-21, 1999.
- Arriaga MA: Diagnostico y Manejo de los Neurinomas del Acústico in *Otolaryngology Conference Reports*, Volumen 1, Numero 1, p 12-13, September, 2000.
- Arriaga MA: Audífonos Implantables in *Otolaryngology Conference Reports*, Volumen 1, Numero 1, pg 14-16, September, 2000.
- Arriaga MA, Chen DA: Facial Function in Hearing Preservation Acoustic Neuroma Surgery. *Archives of Otolaryngology - Head and Neck Surgery*. Vol. 127, 543-546, May, 2001. PMID: 11346430
- Arriaga MA, Chen DA: Hydroxyapatite cement cranioplasty in translabyrinthine acoustic neuroma surgery; *Otolaryngology - Head and Neck Surgery*. Vol. 126, No. 5, pg 512-517, May, 2002. PMID: 12075225
- Chen DA, Arriaga MA: Technical refinements and precautions during ionomeric cement reconstruction of incus erosion during revision stapedectomy. *The Laryngoscope*. Vol. 113, pg 848-852, May, 2003. PMID: 12792321
- Hillman T, Arriaga MA, Chen DA: Intratympanic Steroids: Do they acutely improve hearing in cases of cochlear hydrops? *The Laryngoscope*. 113:1903 – 1907, November, 2003. PMID: 14603044
- Del Rio M, Arriaga M: Benign Positional Vertigo – Prognostic Factors. *Otolaryngology – Head and Neck Surgery*, Vol. 130/4, page 426-429, 2004. PMID: 15100638
- Hillman T, Chen DA, Arriaga MA: Vestibular Nerve Section vs. Intratympanic Gentamicin for Meniere's Disease: Vertigo Control and hearing results. *Laryngoscope*. 114(2):216-22, February, 2004. PMID: 14755193
- Hillman T, Arriaga MA, Chen DA: Bilateral facial myokymia caused by Fallopiian canal dehiscence into the jugular bulb. *Otolaryngology & Neurotology*, Vol. 25, No.3, 2004. PMID: 15129124
- Arriaga MA, Chen DA, Wiederstein WC: Hydroxyapatite Cement Cranioplasty in Translabyrinthine Acoustic Neuroma – Update. *Otolaryngology-Neurotology*. 25(4):604-609, July, 2004.
- Chen DA, Arriaga MA: Phase I results of Envoy Totally Implantable Hearing Aid. *Otolaryngology – Head and Neck Surgery*, Vol 131, No 6, pg 904-916, December, 2004. PMID: 15577788
- Arriaga MA, Chen DA, Cenci KA: Rotational Chair (ROTO) Instead of Electronystagmography (ENG) as the Primary Vestibular Test. *Otolaryngology – Head and Neck Surgery*, Vol. 133, No.3, September, 2005. PMID: 16143176
- Arriaga MA, Chen DA, Arriaga RY: Enhanced Hearing in Heat Activated Crimping Prosthesis Stapedectomy. *Otolaryngology-Neurotology*. Vol. 133, No 3, September, 2005.

- Arriaga MA, Kunschner L, Chen DA, Hillman TA, Arriaga RY: Visually Enhanced Vestibulo-Ocular Reflex (VVOR) – A Diagnostic Tool for Migraine Vestibulopathy. *Laryngoscope*, 116:1577-1579, 2006. PMID: 16954982
- Arriaga, MA: Triological Thesis Petrous Apex Effusion – A Clinical Disorder. *Laryngoscope*, 116(8):1349-1356, 2006. PMID: 16885734
- Brinson GM, Chen DA., Arriaga MA: Endolymphatic Mastoid Shunt Versus Endolymphatic Sac Decompression for Meniere's Disease. *Otolaryngology. HNS.* 136(3):415-421, 2007. PMID: 17321870
- Arriaga MA, Chen DA, Burke EL: Hydroxyapatite Cement Cranioplasty in Translabyrinthine Acoustic Neuroma Surgery – Update. *Otology and Neurotology*, 28(4):538-540, 2007. PMID: 17414174
- Tenney J, Arriaga MA, Chen DA, Arriaga R: Enhanced Hearing in Heat Activated Crimping Prosthesis Stapedectomy. *Otolaryngology – Head and Neck Surgery*, 138(4):513-517, 2008. PMID: 18359364
- Pero CD, Pou AM, Arriaga MA, Nuss DW: Post-Katrina: Study in crisis-related program adaptability. *Otolaryngol Head and Neck Surg*, 138(3):394-397, 2008. PMID: 18312891
- Hillman T, Chen D, Arriaga MA, Acoustic tumor observation and failure to follow-up. *Otolaryngology – Head and Neck Surgery* –2010 Mar; 142(3):400-4.
- Arriaga MA, Nuss DW, Scrantz K, Montgomery E, St John P, Sharbough E, Whittle D. Telemedicine-assisted Neurotology in Post Katrina, Southeast Louisiana. *Otology and Neurotology* 31: 524-527. PMID: 20042903
- Hillman T, Chen D, Arriaga MA, Quigley M: Facial nerve function and hearing preservation acoustic tumor surgery: Does the approach matter? *Otolaryngology - Head and Neck Surgery* 142:115-119, 2010. PMID: 20096234
- Hillman T, Chen D, Arriaga MA, Quigley M: Acoustic Tumor Observation and Failure to Follow-up *Otolaryngology - Head and Neck Surgery* 142:400-404, 2010. PMID: 20172388
- Dennis D, Crabtree T, Thomsen K, Marks H, Arriaga M: Cochlear Implantation Following a Major Natural Disaster *Laryngoscope* 123(S3):S67 (2010)
- Peters G, Lin J, Arriaga MA, Nuss DW, Schaitkin B, Walvekar RR: Middle Ear endoscopy and trans-tympanic drug delivery using an interventional sialendoscope: a feasibility study in human cadaveric temporal bones. *J Laryngol Otol* – June 2:1-5, 2010. PMID: 21225814
- Gaudet JE, Walvekar RR, Arriaga MA, Dileo MD, Nus DW, Pou AM, Hagan J, Lin J: Applicability of the Pittsburgh Staging System for Advanced Cutaneous Malignancy of the Temporal Bone. *Skull Base* – November 6:409-14, 2010. PMID: 21772797
- Arriaga MA, Scrantz K: Four-handed, two-surgeon microsurgery in neurotology. *Laryngoscope* – July 121:1483-5, 2011. PMID: 21647900
- Arriaga M, Nuss D, Arriaga R: Neurotology Telemedicine Consultation. *Otolaryngologic Clinics of North America* – 44 (2011) 1235-1250.
- Peters G, Arriaga MA, Nuss DW, Pou AM, DiLeo M, Scrantz K.: Mucosal Melanoma of the Middle Ear Cavity and Eustachian Tube: A Case Report, Literature Review, and Focus on Surgical Technique. *Otology and Neurotology*, February 2012: Volume 33:2:239-243. PMID: 22215460.
- Arriaga MA, Lin J.: Translabyrinthine approach: indications, techniques, and results. *Otolaryngol Clin North Am.* 2012 Apr; 45 (2): 399-415. PMID: 22483824.
- Jeyakumar, A., Wilson, M., Sorrel, J. E., McIntire, J. B., Jones, D. D., Brickman, T. M., Arriaga, M: Monopolar Cautery and Adverse Effects on Cochlear Implants, *JAMA Otolaryngol Head Neck Surgery*

- July 2013 139(7): 694-7. PMID: 23788116.
- Ying, Y. L., Durel, J., Arriaga, M. A.: Removal of hydroxyapatite cement from cadaveric temporal bones after transtemporal surgery, *Otol Neurotol* 2013 Oct.; 34 (8): 1465-8. PMID: 24026026
- Wilson MN, Simon LM, Arriaga MA, Nuss DW, Lin JA: The Management of Spontaneous Otogenic CSF Leaks: A Presentation of Cases and Review of Literature, *J Neurol Surg B Skull Base*. 2014 Apr. PMID: 24719798.
- Mehta R, Spear SA, Ying, YL, Scrantz, KJ, Nuss DW, Arriaga, MA: Temporal Bone Encephalocele Repair – Our Experience, *Journal of Neurological Surgery Part B: Skull Base*; Issue S 01, Feb 2014
- Mehta R, Spear, SA, Ying YL, Arriaga, MA, Nuss, DW, Skull Base Adenoid Cystic Carcinoma – Clinical Series and Outcomes, *Journal of Neurological Surgery Part B: Skull Base*; Issue S 01, Feb 2014.
- Spear SA, Mehta R, Ying YL, Nuss DW, Arriaga MA: External Auditory Canal and Temporal Bone Carcinoma with Parotid Gland and Facial Nerve Involvement, *Journal of Neurological Surgery Part B: Skull Base*; Issue S 01, Feb 2014.
- Mehta, Rahul; Klumpp, Micah L.; Spear, Samuel A.; Bowen, Matthew A.; Arriaga, Moises A.; Ying, Yu-Lan Mary: Subjective and Objective Findings in Patients With True Dehiscence Versus Thin Bone Over the Superior Semicircular Canal, *Otology & Neurotology*. PAP November 18, 2014. PMID: 25406871.
- Jeyakumar, A, Jackson NM, Givens VB, Brickman TM, Arriaga MA: Does Electro-cautery Damage Cochlear Implants? *Otology & Neurotology*. 2015 Apr, PMID 25569366.
- Jackson N, Givens V, Carpenter C, Hurth C, Arriaga MA, Ying YL and Jeyakumar AS: Cochlear Trajectory in Pediatric Patients, *The Laryngoscope*, April 2015. PMID: 25345352.
- Jackson, Neal M., Allen, Laveil M., Morell, Brooke, Carpenter, Clelie C., Givens, Victoria B., Kakade, Anagha, Jeyakumar, Anita, Arcement, Christopher, Arriaga, Moises A., Ying, Yu-Lan Mary: The Relationship of Age and Radiographic Incidence of Superior Semicircular Canal Dehiscence in Pediatric Patients, *Otology & Neurotology*. January 2015 - Volume 36 - Issue 1 - p 99-105. PMID: 25406876.
- Batuecas-Caletrio A, Klumpp M, Santacruz-Ruiz S, Gonzalez FB, Sánchez EG, Arriaga M: Vestibular function in cochlear implantation: Correlating objectiveness and subjectiveness, *Laryngoscope* 125: Oct 2015:2371-2375. PMID: 25891786.
- Spear SA, Jackson NM, Mehta R, Morel CE, Miller LS, Anderson D, Arriaga MA: Is MRI Equal to CT in the Evaluation of Thin and Dehiscent Superior Semicircular Canals? *Otol Neurotol*. Vol. 37 No. 2, Feb 2016. p. 167-170. PMID: 26719960.
- Sappington JM, Arriaga MA, DiLeo MD, Thibault E.: An Unusual Case of Lymphoepithelioma-Like Carcinoma of the External Auditory Canal, *Otol Neurotol*. 2016 Dec; 37(10):e417-e419. PMID: 27755455
- Gardner EG, Sappington J, Arriaga MA, Kanotra SP: Ultrasonic bone aspirator use in endoscopic ear surgery: feasibility and safety assessed using cadaveric temporal bones. *J Laryngol Otol*. 2017 Sep 18:1-4. doi: 10.1017/S0022215117001955. [Epub ahead of print] PMID: 28918759
- Poe D, Anand V, Dean M, Roberts WH, Stolovitzky JP, Hoffmann K, Nachlas NE, Light JP, Widick MH, Sugrue JP, Elliott CL, Rosenberg SI, Guillory P, Brown N, Syms CA 3rd, Hilton CW, McElveen JT Jr, Singh A, Weiss RL Jr, Arriaga MA, Leopold JP: Balloon dilation of the eustachian tube for dilatatory dysfunction: A randomized controlled trial. *Laryngoscope*. 2017 Sep 20. doi: 10.1002/lary.26827. [Epub ahead of print] PMID: 28940574
- Volsky PA, Hillman TA, Buchinsky FJ, Chen DA, Jackson NM, Arriaga MA: Hydroxyapatite cement cranioplasty following translabyrinthine approach: Long-term study of 369 cases, *Laryngoscope*. 2017 Sep;127(9):2120-2125. doi: 10.1002/lary.26403. Epub 2017 Jan 6. PMID: 28059442

LETTERS TO THE EDITOR:

Arriaga M: Letter to the Editor. Cochlear implants and CHAMPUS. ENT Journal 73(11): 858-859, 1994.

Beerle BJ, Arriaga MA: Letter to the Editor. Myringotomy tube placement - another role for EMLA cream? Anesth Analg 83(2): 435, August, 1996.

EDITORIALS:

Certificate of Added Qualifications. Arriaga MA, Otol Neurotol 23 (5): 625-628, 2002. PMID: 12218608

BOOK REVIEWS:

Balance Disorders: A Case Study Approach. Joseph Furman, MD, PhD, Stephen Cass, MD, MPH, F.A. Davis Company, Philadelphia, 1996. Am J Otolology, 18:262-264, 1997.

Clinical Disorders of Balance, Posture and Gait. Edited by Adolfo M. Bronstein, Thomas Brandt, and Marjorie Woollacott, published by Arnold Press, London and Oxford University Press, New York, 1996. Am J Otolology, 18:262-264, 1997.

Hearing Aids, A Manual for Clinicians. Edited by Robert A. Goldenberg, M.D. Lippincott-Raven, 1996. Am J Otolology, Am J Otolology, 18:532-533, 1997.

Microsurgical Anatomy of the Skull Base and Approaches to the Cavernous Sinus. Chandranath Sen, M.D., Chan Siang Chen, M.D., Kalmon D. Post, M.D. Thieme Publishers, 1996. Am J Otolology, Am J Otolology, 18:532-533, 1997.

Practical Management of the Balance Disorder Patient. Authors: Neal T. Shepard and Steven A. Tallihan. San Diego: Singular Publishing Group, Inc., 1996. Am J Otolology, 18:532-533, 1997.

Vestibular Rehabilitation: Protocols and Programs. Author: Richard E. Gans, Ph.D. San Diego: Singular Publishing Group, Inc, 1996. Am J Otolology, 18:686, 1997.

Vestibular Rehabilitation. Author: Susan Herdman, Ph.D. Philadelphia: F.A. Davis Company, 1994. Am J Otolology, 18:792-794, 1997.

Acoustic Tumors, Diagnosis and Management, Second Edition. Edited by William F. House, M.D., Charles M. Luetje, M.D. and Karen Jo Doyle, M.D., Ph.D. San Diego: Singular Publishing Group, Inc., 1996. Am J Otolology, 18:792-794, 1997.

Imaging of the Temporal Bone, Third Edition. Edited by Joel Swartz and H. Ric Harnsberger. New York: Thieme, 1998. Am J Otolology, 19:539, 1998.

Color Atlas of Microneurosurgical Approaches. Edited by John Day, Christian Matula, Wolfgang Roos, and Johannes Lang. New York: Thieme, 1998. Am J Otolology, 19:5; 687-688, September 1998.

The CNS in Action Volume II: The Vestibular System - CD ROM. Edited by Jean-Marie Peyronnard, M.D., and Louise Charron, M.D. Montreal: SSB Multimedia Medical Series, 1996. Am J Otolology, 20:1, page 133, January 1999.

Color Atlas of Acoustic Neuroma Microsurgery. Edited by Christian Matula, M.D., Wolfgang T Roos, M.D. and Johannes Lang, M.D. New York: Thieme Publisher, 1998. Am J Otolology 20:1, pages 133-134, January,

1999.

Surgery of the Skull Base. Edited by Paul J. Donald. Philadelphia: Lippincott-Raven Publishers, 1998. *Am J Otolaryngology* 20:2, page 280, March 1999.

Guía Para la Disección Del Hueso Temporal. Manuel J. Manrique. STM, Barcelona. *Am J Otolaryngology*, 20, No.5, page 698, September 1999.

Atlas of Temporal Bone and Lateral Skull Base Surgery. Edited by Mario Sanna. Co-author: Essamsaleh, M.D., Alessandra Russo, and Abdol Tiabah. Thieme Publishers, 1995. *Am J Otolaryngology* 21:1, page 147, January 2000.

Endoscopy in Neuro-Otolaryngology. Edited by Magnan J. Sanna M. Stuttgart, Thieme, 1999. *Am J Otolaryngology*, 21(1): 146-147, January 2000.

Meniere's Disease: What You Need to Know. HaBach PJ. Edited by Underwood JL. Published by the Vestibular Disorders Association (VEDA), 1998, *Am J Otolaryngology*, 21:1, page 146, January 2000.

Evidence-Based Otitis Media. Rosenfeld RM, Bluestone CD. Ontario, Canada B.C. Decker Inc. *Am J Otolaryngology*, 21:1, page 147, January 2000.

The Facial Nerve. Edited by Mark May, M.D. and Barry Shaitkin, M.D., Thieme Publishers, 2000. *in Otolaryngology and Neurootology*, 21:6, page 890, November 2000.

Practical Management of the Dizzy Patient. Edited by Joel A. Goebel, M.D. Lippincott Williams and Wilkins. Philadelphia, 2001. *In Otolaryngology and Neurootology*: 22:4, page 571, July 2001.

Restitutive Surgery of the Ear and Temporal Bone. Edited by Malte Erik Wigand, M.D. Thieme Publishers, October 2000. *In Otolaryngology and Neurootology*: 22:4, page 572, July, 2001.

Atlas of Otolaryngology. Edited by Jack L. Pulec, M.D. and Christian Deguine, M.D. Singular Press, March 2000. *In Otolaryngology and Neurootology*: 22:4, pages 572 - 573, July 2001.

Medical-Legal Evaluation of Hearing Loss, 2nd Edition. Author: Robert A. Dobie, M.D. Singular Publishing Group, San Diego, CA 2001. *In Otolaryngology and Neurootology*, 22:6, pages 077-978, November 2001.

Minimally Invasive Surgery of the Head, Neck and Cranial Base. Author: Phillip A. Wackym, M.D., etc. *in Otolaryngology and Neurootology*, 23:3, page 409, May 2002.

Color Atlas of the Anatomy and Pathology of the Epitympanum. Author: Tauno Palva, M.D., Hans Ramsay, M.D. and Clorindum Northrop, M.D. *in Otolaryngology and Neurootology*. 23:4, page 619, July 2002.

The Pathology of Viral Neuropathies in Temporal Bone. Author RR Gacek, M.D. *in Otolaryngology and Neurootology*, 24(1):127-128, June 2003.

Otolaryngology's Great Moments. Author: Dennis Papas, M.D. and Lanie Kent, M.D. *in Otolaryngology and Neurootology*, 24(1):128, January 2003.

Headache and Facial Pain. Franco Mongini, M.D. Thieme Publishers, *in Otolaryngology and Neurootology* 24(1) page 127-128, January 2003.

Middle Ear and Mastoid Microsurgery. Mario Sann, M.D. *in Otolaryngology and Neurootology*, 25(2):198-199, March 2004.

Head and Neck Imaging, Fourth Edition. Peter M. Som, M.D. *in Otolaryngology and Neurootology*, 25(2):197, March 2004.

Advances in Oto-Rhino-Laryngology, Volume 58, Otolith Function and Disorders. Patrice Tran Ba Huy and M. Toupet. *in Otolaryngology and Neurootology*, 25(3):414, May, 2004.

Neurotology, Second Edition. Robert Jackler, M.D. and Derald Brackmann, M.D. Mosby, Philadelphia, PA. in *Otology and Neurotology* 26(2):314, March 2005.

Clinical Disorders of Balance, Posture and Gait, Second Edition. Adolfo M. Bronstein, Thomas Brandt, etc. Oxford University Press, New York, NY. in *Otology and Neurotology* 26(2):314, March 2005.

Tinnitus, Theory and Management. James Snow, Jr. BC Decker Inc. Hamilton London. September, 2004. in *Otology and Neurotology* 26(2):315, March 2005.

Comprehensive Review of Otolaryngology. Michael Ruckenstein, M.D. Elsevier Publishing, Philadelphia, PA, February 2004. in *Otology and Neurotology* 26(2)315-316, March 2005.

Clinical Otolaryngology, Third Edition. Dr. Pensak, Thieme Publishers, New York. in *Otology and Neurotology* 29(5):578, August, 2008.

Medical Otolaryngology and Neurotology, A Clinical Guide to Auditory and Vestibular Disorders. Mohamed Hamid, M.D. Thieme Medical Publishers, New York. in *Otology and Neurotology* 29:275, May, 2008.

Middle Ear Surgery. Prof H.C. Hinning Hildemann. Springer-Verlag, Berlin. in *Otology and Neurotology* 29(4):421. June, 2008.

Cochlear Implants. Susan B. Waltzmann, M.D. Thieme Medical Publishers, New York. in *Otology and Neurotology* 28(8) 737, September, 2008.

Endoscopic Skull Base Surgery: A Comprehensive Guide with Illustrative Cases. Hrayr K. Shahinian, M.D. Humana Press, Los Angeles, CA., 2008. in *Otology and Neurotology* 28(8) 737, September, 2008.

Tinnitus Treatment Clinical Protocols. Richard Tyler, Ph.D., Thieme Publishers, New York, NY, 2006. in *Otology and Neurotology* 29(7)887, October, 2008.

Vertigo and Disequilibrium: A Practical Guide to Diagnosis and Management. Peter C. Weber, M.D., Thieme Publishers, New York, NY. in *Otology and Neurotology* 30(3) 273, April, 2009.

Practical Management of the Dizzy Patient (Second Edition). Joel A Goebel, M.D., Wolters Kluwer Lippincott Williams & Wilkins, 2008, Philadelphia, PA. in *Otology and Neurotology* 31(1)1, January, 2010.

Surgical Pathology of the Head and Neck (Third Edition). Barnes L. et al. New York, NY: Information Health Care, 2009 in *Otology and Neurotology* 31:707, 2010.

Recent Advances in Otolaryngology Head and Neck Surgery, Vol. 2, Anil K Lalwani, Markus HF Pfister. New Delhi, India: Jaypee Brothers Medical Publishers (P) Ltd, 2013, Spear, S.; Arriaga, M December 2013 - Volume 34 - Issue 9 - p 1551

Implantable Hearing Devices. Chris de Souza, Peter Roland, Debara L. Tucci, ed.; San Diego, CA: Plural Publishing Inc., 2017; Mankekar, G, Arriaga, M.

AUDIOVISUAL RECORDINGS:

Arriaga M: Tympanocentesis in septic infants. Audio-digest Foundation, Otolaryngology-Head and Neck Surgery, 22(11): June 8, 1989.

Stool S, Arriaga M: Otitis media. (Spanish videotape describing basic pathophysiology, diagnosis and management of otitis media), 1989.

Arriaga M, Janecka I: Anatomical considerations in a facial translocation approach to the cranial base, 1990.

Arriaga M, Brackmann D: Surgical technique of facial nerve anastomosis in the cerebellopontine angle, 1990.

Arriaga M, Brackmann D: Creating a trouble-free mastoid cavity, House Ear Institute Catalogue, 1991.

Arriaga M, Brackmann D: Glomus jugular surgery, House Ear Institute Catalogue, 1991.

Arriaga M: Medical complication in total laryngectomy: Incidence and risk factors. Audio-digest Foundation, Otolaryngology-Head and Neck Surgery, 24(4): Feb 28, 1991.

Arriaga M: Facial nerve paralysis following acoustic tumor surgery: Prognosis and Prevention, Otolaryngology Audio-Digest. Volume 33, Issue 08, April 21, 2000

Arriaga M: Facial nerve repair techniques: Cerebellopontine angle and intratemporal facial nerve, Otolaryngology Audio-Digest. Volume 33, Issue 08, April 21, 2000.

Arriaga M: Video Tour of the LSU-Our Lady of the Lake Hearing and Balance Center, Our Lady of the Lake Regional Medical Center, October 15, 2009

Arriaga M: Acoustic Neuroma Surgery and Hydroxyapatite Cement. Stryker Corporation Educational Video September 20, 2010

PROFESSIONAL ACTIVITIES:

Program Grant:

Our Lady of the Lake Foundation, Pediatric Hearing Program
Equipment Block Grant \$375,000

Fellowships Hosted:

International Otology Research Fellowship- at LSU-OLOL Hearing and Balance Center
Collaboration with Universidad de Compostela, Espana, EU

PRESENTATIONS:

“Carcinoma of the Temporal Bone” – 34th Annual Meeting, American College of Surgeons Southwestern Pennsylvania Chapter. Pittsburgh, Pennsylvania, 27 April 1988.

“Squamous Cell Carcinoma of the External Auditory Meatus” – Annual Meeting, Pennsylvania Academy of Ophthalmology and Otolaryngology. Hershey, Pennsylvania, 10-11 June 1988.

“Temporal Bone Carcinoma: A Review of 26 Patients” – International Symposium on Cranial Base Surgery. Pittsburgh, Pennsylvania, 13-17 September 1988.

“El manejo de Infantes Sépticos Mediante la Tympanocentesis” – Coloquio de infectología, Colegio de Médicos y Cirujanos. San José, Costa Rica, 21 January 1989.

“El Uso de Tympanocentesis en Infantes Sépticos” – Coloquio de Infecciones Severas Glaxo. Guadalajara, Mexico, 25 January, 1989.

“Role of Tympanocentesis in the Management of Septic Infants” – Eastern Section Meeting of the Triological Society. Toronto, Ontario, 27-28 January, 1989.

“Staging External Auditory Meatus Carcinoma – A Radiological-Pathological Study” – Pennsylvania Academy of Ophthalmology and Otolaryngology. Pittsburgh, Pennsylvania, 14 April, 1989.

- “Considerations for the Facial Translocation Approach to the Nasopharynx” – Mid-Atlantic Resident’s Research Symposium, Uniformed Services University Health Science Center. Bethesda, Maryland, May, 1989.
- “Surgical Exposure of the Nasopharynx: Anatomic Basis for a Transfacial Approach” – Proceedings for the 45th Annual sessions of the Forum on Fundamental Surgical Problems, 1989 Clinical Congress of the American College of Surgeons. Atlanta, Georgia, 15-20 October, 1989.
- “Practical Applications of Tympanocentesis in Sepsis” – Interdisciplinary Colloquium on Otitis Media. Tuxtla Gutiérrez, Chiapas, Mexico, 10 January 1990.
- “Surgical Management of Chronic Parotitis” – Eastern Section Meeting of the Triological Society. New Haven, Connecticut, 25-27 January 1990.
- “Anatomical Considerations in a Facial Translocation Approach to the Cranial Base” – North American Society for Skull Base Surgery. Marina del Rey, California, 18 February 1990.
- “Medical Complications in Head and Neck Surgery – A Comparison Study” – Southwestern Chapter of the American College of Surgeons. Pittsburgh, Pennsylvania, 11 April 1990.
- “A TNM Staging Proposal for External Auditory Meatus Carcinoma Based on Clinical Examination and Preoperative CT Scans” – American Otological Society Annual Meeting. Palm Beach, Florida, 5 May 1990.
- “Medical Complications in Total Laryngectomy: Incidence and Risk Factors” – American Laryngological Association Annual Meeting. Palm Beach, Florida, 5 May 1990.
- “Clinical Staging of Temporal Bone Cancer” – Otology Mini-seminar, University of Pittsburgh, Department of Otolaryngology. University of Pittsburgh, Pennsylvania, 18-19 May, 1990.
- “Facial Nerve Repair in Cerebellopontine Angle Tumor Surgery,” Second Annual Meeting of the North American Skull Base Surgery Society. Lake Buena Vista, Florida, 1-3 March 1991.
- “Selection of Surgical Approaches in Temporal Bone Meningioma’s,” Annual Meeting of the American Academy of Otolaryngology –Head and Neck Surgery. Kansas City, Missouri, September 1991.
- “Chronology of Facial Nerve Recovery Following Acoustic Neuroma Surgery,” Accepted for Presentation at the 1991 Annual Meeting of the American Academy of Otolaryngology -Head and Neck Surgery. Kansas City, Missouri, September 1991.
- “Extended Middle-Fossa Approach to Petroclival and Cavernous Sinus Neoplasms,” Eastern Section Meeting of the Triological Society. Boston, MA, January 1992.
- “Acoustic Neuroma Volume: Clinical Implications of MRI- Based Calculations,” Spring Meeting of the American Neurotologic Society. Desert Palm Springs, CA, April 1992.
- “Imaging Considerations in the Differential Diagnosis of Posterior Fossa Skull Base Tumors,” Society of Air Force Clinical Surgeons Annual Meeting. San Antonio, TX, April 1992.
- “Practical Considerations in Otologic Diagnosis,” University of Pittsburgh Department of Otolaryngology Teaching Day. Pittsburgh, PA, 15 May 1992.
- “Clinical Evaluation of the Dizzy Patient,” University of Texas Health Science Center at San Antonio, Otolaryngology Basic Science Course. San Antonio, TX, 15 July 1992.
- “Aeromedical Implications of Ear Surgery,” School of Aerospace Medicine. Brooks AFB, Texas, 21 July 1992.
- “Temporal Bone Lymphoma Masquerading as an Intracranial Complication of Otitis Media,” Alexis Lane, MD; and Moisés Arriaga, MD, Society for Ear, Nose and Throat Advances in Children. Toronto, Ontario, 5

December, 1992.

“Aspectos prácticos en el diagnóstico de otitis media en recién nacidos,” Jornadas Anuales del Hospital Infantil Federico Gómez. Pachuca, México, 22 November 1992.

“Otitis Media Crónica: Casos Especiales,” Colegio de Pediatras de Culiacán. Culiacán, Mexico, 18 January, 1993.

“Abordajes Neurologicos--- Un Resumen,” Dallas Foundation of Otology, International Course, 1 March, 1993.

“Facial Nerve Function after Middle Fossa vs. Translabyrinthine Acoustic Neuroma Surgery,” American Neurotological Society. Los Angeles, CA, 16-17 April 1993.

“Antidromic Stimulation of the Greater Superficial Petrosal Nerve (GSPN) in Middle Fossa Surgery,” American Otological Society. Los Angeles, CA, 17-18 April 1993.

“Cochlear Implants – Update on the Wilford Hall Experience,” Society of Air Force Clinical Surgeons. Biloxi, MS, 20-21 April 1993.

“Neurotology and Aerospace Medicine,” School of Aerospace Medicine. Brooks AFB, Texas, 24 August 1993.

“Neurotologic Approaches to the Skull Base,” Dallas Foundation of Otology. Dallas, Texas, 1 September 1993.

“Magnetic Resonance Imaging in Surgical Planning for Cochlear Implantation,” Southern Medical Association National Meeting, Otolaryngology Section. New Orleans, Louisiana, 28 October, 1993.

“Transcochlear Exposure of the Ventral Brainstem,” Southern Medical Association National Meeting, Neurosurgical Section. New Orleans, Louisiana, 29 October 1993.

“Evaluation and Management of Dizziness,” Emory University CME. Atlanta, Georgia, 9 December 1993.

“Selection of Surgical Approaches in Neurotologic Skull Base Surgery”. Emory University, Neurosurgical Grand Rounds. Atlanta, GA. December 9, 1993.

“Evaluation and Management of Hearing Loss,” Emory University CME. Atlanta, Georgia, 9 December 1993.

“Aspectos Prácticos de la Otitis Media,” Universidad Autónoma de Yucatán. Mérida, Mexico, 17 January 1994.

“Neurotologic Approaches to the Ventral Brainstem.” Baylor University Medical Center. Dallas, Texas, 25 January 1994.

“Computerized Instruction in Skull Base Surgery: The Translabyrinthine Approach,” Nadeem Hussain BS, and Moisés Arriaga, North American Skull Base Society Annual Meeting. Orlando, Florida, February 1994.

“Expanding Applications of Neurotologic Skull Base Surgery” Jacksonville, FL. April 23, 1994.

“Outcomes of Neurotologic Surgery in a Military Practice,” Society of Air Force Clinical Surgeons, Annual Meeting. San Antonio, Texas, 26 April, 1994.

“Indications and Applications of Cochlear Implants” Jackson, Mississippi. June 3, 1994.

“Selection of Transcochlear Exposure of the Ventral Brainstem,” International Symposium on Surgery of the Inner Ear --- Prosper Meniere Society. Aspen, Colorado, 22 July 1994.

“False Positive MRI of Small IAC Tumors,” Plenary Session, Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery. San Diego, California, 22 September, 1994.

“Otitis Media en el Recién Nacido,” Simposio Práctico y Teórico Sobre la Otitis Media. San Cristóbal, Venezuela, 31 October 1994.

“Otitis Media y Tympanocentesis,” Simposio Practico Y Teórico de Infecciones Respiratorias Morelia. Michoacán, Mexico, 16 January 1995.

“Mastoidectomy in the Cue Ball,” Dallas Foundation of Otology. Dallas, Texas, 30 January 1995.

“Technical Considerations in Middle Fossa Surgery,” Mayo Medical School. Rochester, Minnesota, 10 February 1995.

“Facial Nerve Outcomes and Their Predication,” San Antonio Society of Otolaryngology – Head and Neck Surgery, Annual Symposium. San Antonio, Texas 25 February 1995.

“Nuevas Aplicaciones de Abordajes Neurológicos,” International Temporal Bone Dissection Course, Baylor Medical Center. Dallas, Texas, 20 March 1995.

“MRI and Clinical Decisions in Cochlear Implantation,” Annual Spring Meeting of American Neurotology Society. Desert Palm Springs, California, 30 April 1995.

“New Techniques in Ossiculoplasty” Carolina Ear Institute. Raleigh, North Carolina, 18 May 1995.

“Neurotologic Skull Base Surgery – New Techniques,” Neuroscience Grand Rounds, Allegheny General Hospital. Pittsburgh, Pennsylvania, 24 May 1995.

“Decisions in Chronic Otitis Media”. Mayo Clinic, Otology Grand Rounds, June 9, 1995.

“Otitis Media,” San Pedro Sula ENT Society. San Pedro, Honduras, 2 August 1995.

“Abordajes neurológicos,” Tegucigalpa ENT Society. Tegucigalpa, Honduras 3 August 1995.

“Implantes Cocleares y Audio logia,” and “ Cirugía del Cerebelo y el audiologo,” Organization of Puerto Rican Audiologists and Speech Pathologists Annual Convention. Humacao, Puerto Rico, 28 October 1995.

“Otitis Media en Honduras – Estudios de Epidemiologia”. Tegucigalpa, Honduras, 16 November 1995.

“Expanding Applications of Neurotologic Cranial Base Surgery, University of Colorado Department of Otolaryngology Grand Rounds. Denver, Colorado. November 30, 1995.

“Individualized Approach to Hearing Conservation CPA Tumor Surgery,” Baylor University Medical School. Dallas, Texas, 29 January 1996.

“Hearing Preservation CPA Tumor Surgery,” Society of Air Force Clinical Surgeons Annual Meeting. San Antonio, Texas, 5 April 1996.

“Cost Effective Diagnosis of CPA Tumors,” University of Pittsburgh Alumni Day. Pittsburgh, PA, 19 April, 1996.

“Mastoidectomy in the Diseased Ear”; “Revision Stapedectomy”; “Medial Graft Tympanoplasty and Selection of Technique” Allegheny Neuroscience Institute. Pittsburgh, PA, 26 April 1996.

“Preoperative Endovascular Occlusion of the Inferior Petrosal Sinus and Condylar Veins,” National Meeting of The American Otological Society. Orlando, Florida, 4 May 1996.

“Clinical Pathways in Acoustic Neuroma Management,” The Triological Society Annual Meeting. Orlando, Florida, 6 May 1996.

“Dizziness, Vertigo and Balance Disorders,” Sharon Regional Hospital. Sharon, PA, 3 June 1996.

“Neurophysiology of Hearing/Balance,” Neuroscience Lecture Series, Allegheny General Hospital. Pittsburgh, PA, 31 July 1996.

“Hearing Prevention: CPA Surgery”, Dallas Foundation of Otolaryngology, Baylor University Medical School. Dallas, Texas, 1 September 1996.

“Balance Disorders,” Department of Medicine Lecture Series, Allegheny General Hospital. Pittsburgh, PA, 3 September 1996.

“Balance Disorders”, Update in Primary Care Medicine, Allegheny General Hospital. Pittsburgh, PA, 4 September 1996.

“Hearing Preservation Acoustic Neuroma Surgery”, Allegheny Neuroscience Institute, Advanced Skull Base Dissection Course. Pittsburgh, PA, 4 October, 1996.

“Basic Mastoidectomy Techniques”, Allegheny Neuroscience Institute, Temporal Bone Dissection Course. Pittsburgh, PA, 25 October 1996.

“Balance Disorders”, Allegheny Neuroscience Institute, Temporal Bone Dissection Course. Pittsburgh, PA, 26 October 1996.

“Otitis Media en Niños”, Latin America Otitis Media Research and Training Program. Caracas, Venezuela, 21 November 1996.

“Casos Especiales De Otitis Media”, Puerto Ordaz, Venezuela, 22 November 1996.

“Pre Congress Course”, Pan American Society of Otolaryngology. Cartagena de Indias, Columbia, 23 November 1996.

“Advances in Vestibular Diagnosis”, Neuroscience Grand Rounds, Allegheny General Hospital. Pittsburgh, PA, 27 November, 1996.

“Outcomes of CPA Tumors in Hazardous Occupations”, Middle Section of The Triological Society. Kansas City, MD, 26 January 1997.

“Pediatric Otolaryngology”, Indiana Hospital. Indiana, PA, 28 January 1997.

“Individualizing Hearing Preservation Acoustic Neuroma Surgery”, Eastern Section of The Triological Society. Boston, MA, 31 January 1997.

“Balance Disorders in the Elderly, Geriatric Orthopedic Update”, Allegheny General Hospital. Pittsburgh, PA, 1 February, 1997.

“Radiología en Otolología”, Puerto Rico Academy of Audiology, 2nd Annual State Convention. San Juan, Puerto Rico, 7-9 February 1997.

“Facial Paralysis”, Emergency Medicine Lecture Program, Allegheny General Hospital. Pittsburgh, PA, 13 March 1997.

“Management of Common Otologic Problems”, Duquesne University School of Nurse Practitioners, Duquesne University. Pittsburgh, PA, 19 March 1997.

“Cost Effective Acoustic Neuroma Management: Radiation vs. Surgery”, American College of Surgeons, Southeast Pennsylvania Chapter. Pittsburgh, PA, 2 April 1997.

“Outcome Based Management of Acoustic Neuromas”, Pennsylvania Tri-State Chapter of the Acoustic Neuroma Association, Allegheny Valley. Pittsburgh, PA, 12 April 1997.

Moderator: Panel Discussion on Practical Otolaryngology. University of Pittsburgh Otolaryngology Alumni Day. Pittsburgh, PA 26 April 1997.

“Technical Modifications in Middle Fossa Surgery”, America Neurotology Society Annual Meeting. Scottsdale,

AZ, 10 May 1997.

- “Cytotoxicity of Cytokeratinocytes Monoclonal Antibody Against Keratinocytes – A Possible Therapeutic Adjunct for Cholesteatoma?”. The American Otological Society Annual Meeting. Scottsdale, AZ, 10 May 1997.
- “Revision Stapedectomy”, Allegheny Neuroscience Institute Temporal Bone Microanatomy and Hands-On Dissection Workshop. Pittsburgh, PA, 14 June 1997.
- “Individualizing Hearing Preservation in Acoustic Neuroma Surgery”, Dallas Foundation Temporal Bone Course. Dallas, TX, 13 October 1997.
- “Balance Disorders”, Butler County Medical Society. Butler, PA, 14 October 1997.
- “Balance Disorders”, Jewish Community Center – South Hills Chapter. Pittsburgh, PA, 11 November 1997.
- “Nuevas Aplicaciones de Abordajes Neuro-otológicos”, XXI Congreso Venezolano de Otorrinolaringología. San Cristóbal, Venezuela, 12 November 1997.
- “Desequilibrio y Vértigo en un Centro Multidisciplinario”, XXI Congreso Venezolano de Otorrinolaringología. San Cristóbal, Venezuela, 12 November 1997.
- “Implantes Cocleares” Simposio, XXI Congreso Venezolano de Otorrinolaringología. San Cristóbal, Venezuela, 13 November 1997.
- “Tratamiento Quirúrgico de los Para gangliomas de Oído”, Conferencia Magistral, XXI Congreso Venezolano de Otorrinolaringología. San Cristóbal, Venezuela, 14 November 1997.
- “Mesa Redonda: Mastoidectomias Abierta vs. Cerrada. Ventajas y Desventajas” XXI Congreso Venezolano de Otorrinolaringología. San Cristóbal, Venezuela, 15 November 1997.
- “Parálisis Facial” Simposio, XXI Congreso Venezolano de Otorrinolaringología. San Cristóbal, Venezuela, 15 November 1997.
- “Modern Management of Hearing Loss” Southwest Allegheny County Medical Society. Pittsburgh, PA, 9 December 1997.
- “The Management of the Facial Nerve and Carotid Artery in Difficult Head-Neck Tumors at the Skull Base” Western Section of The Triological Society. San Diego, CA, 11 January 1998.
- “Hearing Results of Intratympanic Steroids in Endolymphatic Hydrops” Eastern Section of the Triological Society. New York, NY, 31 January 1998.
- “Common Disorders: Ears, Nose and Throat”. Presented at Duquesne University Management of the Childbearing-Age Family in Health and Illness Course. Pittsburgh, PA 5 March 1998.
- “Otology and Neuro-Otologic Surgery”. OR Inservice. Allegheny University Hospitals – Allegheny General. Pittsburgh, PA, 10 March 1998.
- “Jugular Foramen Surgery”. Joint Latin American/North American Cerebrovascular Skull Base Workshop. Cancun, MX, 18 March 1998.
- “Acoustic Neuroma”. Joint Latin American/North American Cerebrovascular Skull Base Workshop. Cancun, MX, 19 March 1998.
- “Individualizing Acoustic Neuroma Management through a Multidisciplinary Team”. 1998 Acoustic Neuroma Association PA Tri-State Chapter Regional Meeting. Pittsburgh, PA, 4 April, 1998.
- “Individualizing Surgical Approaches in Acoustic Neuroma Surgery”. University of Pittsburgh School of Medicine Alumni Day. Pittsburgh, PA, 1 & 2, May, 1998.

- “Anatomy, Physiology and Differential Diagnosis of Hearing Loss for the Legal Professional”. Medical-Legal Evaluation of Hearing Loss. Hilton Head Island, S.C., 25, June 1998.
- “Cirugía de Neurinoma Acústico con Preservación de Audición”. American Academy of Otolaryngology – Head and Neck Surgery Annual Meeting. San Antonio, TX, 13, September 1998.
- “Expanding Applications of Neurotologic Skull Base Surgery”. University of Texas. Dallas, TX, 2 October, 1998.
- “Avoiding Complications in Revision Chronic Ear Surgery”. University of Texas. Dallas, TX, 2 October 1998.
- “Modern Management of Hearing Loss”. Medical Grand Rounds. Somerset Hospital, Somerset, PA. 7 October 1998.
- “Individualizing Hearing Preservation in Acoustic Neurinoma Surgery”. XXVI Congreso Pan American Congress of Otolaryngology Head and Neck Surgery Meeting. Panama, 11-14, November, 1998.
- “Infracochlear Approach to the Skull Base”. Temporal Bone Course. The House Ear Institute, Los Angeles, CA. January 18, 1999.
- “Postoperative Facial Function in Hearing Preservation Acoustic Neuroma Surgery”. Eastern Section of The Triological Society. Providence, RI, January 30, 1999.
- “Common Disorders: Ears, Nose, and Throat”. Presented at Duquesne University Management of the Childbearing – Age Family in Health and Illness Course. Pittsburgh, PA 4, March, 1999.
- “Facial Nerve Paralysis after Acoustic Tumor Surgery: Prognosis and Prevention”. 12th Annual Cherry Blossom Conference: Facial Nerve Update 1999. Arlington, VA, March 27, 1999.
- “Facial Nerve Repair Techniques: Cerebellopontine Angle and Infratemporal Facial Nerve”. 12th Annual Cherry Blossom Conference: Facial Nerve Update 1999. Arlington, VA, March 27, 1999.
- “Evaluation and Treatment of the Dizzy Patient”. Medical Grand Rounds. Somerset Hospital, Somerset, PA. 7 April 1999.
- “Everything you wanted to know about Otitis Media and were afraid to ask? Controversies in Otitis Media”. PSHA Convention. Pittsburgh, PA. 22 April, 1999.
- “Manejo de Vértigo y Desequilibrio en un Centro Multidisciplinario”. V Jornadas Científicas GAES presented by CEIG (Centro de Estudios e Investigación). 10 May, 1999, Barcelona, Spain; 12 May, Bilbao, Spain; 14 May, Sevilla, Spain; 17 May, Madrid; 18 May, Valencia, Spain; 19 May Alicante, Spain.
- “Cirugía de Tumores Acústicos con Preservación de la Audición”. V Jornadas Científicas GAES presented by CEIG (Centro de Estudios e Investigación). 10 May, 1999, Barcelona, Spain; 11 May, Pamplona, Spain; 12 May, Bilbao, Spain; 14 May, Sevilla, Spain; 17 May, Madrid; 18 May, Valencia, Spain; 19 May, Alicante, Spain.
- “Manejo del Nervio Facial en Casos Traumáticos e Iatrogénicos”. V Jornadas Científicas GAES presented by CEIG (Centro de Estudios e Investigación). 10 May, 1999, Barcelona, Spain; 11 May, Pamplona, Spain; 12 May, Bilbao, Spain; 14 May, Sevilla, Spain; 17 May, Madrid; 18 May, Valencia, Spain; 19 May, Alicante, Spain; 20 May Coruña, Spain.
- “Mesa Redonda sobre Implantes Cocleares”. V Jornadas Científicas GAES presented by CEIG (Centro de Estudios e Investigación). 10 May, Barcelona; 12 May, 1999, Bilbao, Spain; 14 May, Sevilla, Spain; 17 May, Madrid; 18 May, Valencia, Spain; 19 May Alicante, Spain; 20 May, Coruña, Spain.
- “Nuevas Aplicaciones de Abordajes Neurotologicos”. 13 May, 1999, Córdoba, Spain.
- “Manejo Multidisciplinario de vértigo y desequilibrio”. Real Academia de medicina y Cirugía. La Corona, Spain,

20 May, 1999.

“Microanatomy of Otologic Operative Techniques”. Allegheny University Hospitals – Allegheny General, Pittsburgh, PA. 4-5, June, 1999.

Panel Chairman, “Advanced Techniques in Audiologic Diagnosis of Acoustic Neuroma”. Fourth International Congress on Acoustic Neuromas. Rome, Italy 13, June 1999.

“Relationship of Acoustic Neuromas Volume and Preoperative Hearing”. Fourth International Congress on Acoustic Neuromas. Rome, Italy 13, June 1999.

“Individualizing Surgical Management of Small Acoustic Neuromas”. Rome, Italy 13, June, 1999.

“Facial Nerve Repair in Cerebellopontine Angle Tumor Surgery”. Fourth International Congress on Acoustic Neuromas. Rome, Italy 15, June 1999.

“Facial Function in Hearing Preservation Acoustic Neuroma Surgery”. Pennsylvania Academy of Otolaryngology – Head and Neck Surgery. Hershey, PA 18 June, 1999.

“Balance Disorders”. Lecture at Health South Monroeville, PA. October 21, 1999.

Northeastern Ohio Society of Otolaryngology, “Neurotology Principles in General Otolaryngology” and “Management of Iatrogenic Facial Palsy”. October 21, 1999.

“Advances in Facial Paralysis Management” – Neuroscience General Rounds, Allegheny General Hospital. Pittsburgh, PA, January 26, 2000.

“Facial Nerve Decompression” – Dallas Foundation of Otology at Baylor University. Dallas, TX, February 2, 2000.

“Hearing Loss and Health Care in Childbearing Ages”. Duquesne University School of Nursing Common Disorders: Ears, Nose and Throat. Presented at Duquesne University Management of the Childbearing-Age Family in Health and Illness Course. Pittsburgh, PA 2 March, 2000.

“Hearing Loss and Related Syndromes”. WISC, Pittsburgh, PA March 21, 2000.

“Jugular Foramen Tumors”. The Southwestern Pennsylvania Chapter American College of Surgeons Annual Meeting and Residents Day. Pittsburgh, PA March 29, 2000.

“Posterior Fossa Surgery”. The Southwestern Pennsylvania Chapter American College of Surgeons Annual Meeting and Residents Day. Pittsburgh, PA March 29, 2000.

“Modern Management of Hearing Loss”. Southwest Allegheny County Medical Society. Pittsburgh, PA April 11, 2000.

“Cochlear Implantation”. Lecture North Hills Passavant Hospital. Pittsburgh, PA April 11, 2000.

“Advanced Considerations in Chronic Ear Surgery”. Lecture Allegheny General Hospital, Pittsburgh, PA April 14, 2000.

“Facial Nerve Paralysis”. Lecture Allegheny General Hospital, Pittsburgh, PA April 14, 2000.

“Dizziness”. Lecture at The Washington Hospital’s Scientific Day 2000. Washington Hospital, Washington, PA. May 5, 2000.

“Manejo del Lesiones del Nervio facial”. XXX Congreso Nacional de Otorrinolaringología y Cirugía de Cabeza y Cuello de la Sociedad Colombiana de Otorrinolaringología y Cirugía de Cabeza y Cuello. San Andrés, Isla., Colombia. May 31 – June 4, 2000.

- “Manejo del Vértigo Paroxístico Benigno”. XXX Congreso Nacional de Otorrinolaringología y Cirugía de Cabeza y Cuello de la Sociedad Colombiana de Otorrinolaringología y Cirugía de Cabeza y Cuello. San Andrés, Isla., Colombia. May 31, 2000
- “Diagnóstico y Manejado de Lesiones del Ápex Petroso”. XXX Congreso Nacional de Otorrinolaringología y Cirugía de Cabeza y Cuello de la Sociedad Colombiana de Otorrinolaringología y Cirugía de Cabeza y Cuello. San Andrés, Isla., Colombia. May 31, 2000
- “Cirugía del Foramen Yugular”. XXX Congreso Nacional de Otorrinolaringología y Cirugía de Cabeza y Cuello de la Sociedad Colombiana de Otorrinolaringología y Cirugía de Cabeza y Cuello. San Andrés, Isla., Colombia. May 31, 2000
- “Individualización de Los Abordajes Quirúrgicos en Neurinoma del Acústico”. XXX Congreso Nacional de Otorrinolaringología y Cirugía de Cabeza y Cuello de la Sociedad Colombiana de Otorrinolaringología y Cirugía de Cabeza y Cuello. San Andrés, Isla., Colombia. May 31, 2000
- “Simposio (Astra Zeneca) Almuerzo Incluido”. XXX Congreso Nacional de Otorrinolaringología y Cirugía de Cabeza y Cuello de la Sociedad Colombiana de Otorrinolaringología y Cirugía de Cabeza y Cuello. San Andrés, Isla., Colombia. May 31, 2000
- “Consideraciones Especiales en Cirugía de Oído Crónico”. XXX Congreso Nacional de Otorrinolaringología y Cirugía de Cabeza y Cuello de la Sociedad Colombiana de Otorrinolaringología y Cirugía de Cabeza y Cuello. San Andrés, Isla., Colombia. June 1, 2000
- “Nuevas Tendencias en el Diagnostico y Terapéutica de la Enfermedad de Meniere”. XXX Congreso Nacional de Otorrinolaringología y Cirugía de Cabeza y Cuello de la Sociedad Colombiana de Otorrinolaringología y Cirugía de Cabeza y Cuello. San Andrés, Isla., Colombia. June 1, 2000
- “Nueva Era en Ayudas Auditivas Implantables”. XXX Congreso Nacional de Otorrinolaringología y Cirugía de Cabeza y Cuello de la Sociedad Colombiana de Otorrinolaringología y Cirugía de Cabeza y Cuello. San Andrés, Isla., Colombia. June 2, 2000
- “Facial Nerve Monitoring in Chronic Ear Surgery – the Time Has Come”. Pennsylvania Academy of Otolaryngology Head and Neck Surgery 2000 Meeting. Nemacolin Woodland Resort, Farmington, PA. June 23-24, 2000.
- “Implantable Hearing Devices”. Report by the Subcommittee on Implantable Devices. National Meeting of the American Academy of Otolaryngology – Head and Neck Surgery, Washington, D.C., September 24, 2000.
- “Implantable Hearing Aids” – Neuroscience Grand Rounds – Allegheny General Hospital. October 5, 2000.
- “Totally Implantable Hearing Aids”. Grand Rounds- University of Michigan. October 12, 2000.
- “Cholesteatoma Congénito En Oído Medio”. VII Curso Otitis Media y Parálisis Facial. Hospital Juárez, México. November 30, 2000.
- “Manejo De La Otitis Media Crónica. Método Cerrado Vs. Método Abierto”. VII Curso Otitis Media y Parálisis Facial. Hospital Juárez, México. November 30, 2000.
- “Osciculoplastia”. VII Curso Otitis Media y Parálisis Facial. Hospital Juárez, México. November 30, 2000.
- “Protocolo de Estudio y Manejo de la Parálisis Facial de Bell”. VII Curso Otitis Media y Parálisis Facial. Hospital Juárez, México. December 1, 2000.
- “Parálisis Facial Iatrogénica. Causas y Manejo”. VII Curso Otitis Media y Parálisis Facial. Hospital Juárez, México. December 1, 2000.
- “Manejo del Nervio Facial en la Cirugía de la Base de Cráneo”. VII Curso Otitis Media y Parálisis Facial.

- Hospital Juárez, México. December 1, 2000.
- “El Nervio Facial y Los Tumores del Angulo Pontocerebeloso”. VII Curso Otitis Media y Parálisis Facial. Hospital Juarez, Mexico. December 1, 2000.
- “2001 Hearing Loss Seminar for workers compensation judges”. Department of Labor and Industry Commonwealth of Pennsylvania. Pittsburgh, PA. January 26, 2001
- “Common Hearing Problems”. Duquesne University Nurse Practitioners Course. March 16, 2001.
- “Hearing Preservation with Acoustic Neuroma Surgery”. Advances in Cranial Base Surgery – University of Pittsburgh School of Medicine Center for Continuing Education. Pittsburgh, PA May 5, 2001.
- “Colesteatoma Congénito”. III Congreso Argentino de Otorrinolaringología y Fonoaudiología Pediátrica. Centrol Cultural Bernardino Rivadavia, Argentina. June 8, 2001.
- “Manejo Quirúrgico de Mastoiditis Serosa Crónica”. III Congreso Argentino de Otorrinolaringología y Fonoaudiología Pediátrica. Centrol Cultural Bernardino Rivadavia, Argentina. June 8, 2001.
- “Mastoidectomia: Técnica Abierta vs. Cerrada”. III Congreso Argentino de Otorrinolaringología y Fonoaudiología Pediátrica. Centrol Cultural Bernardino Rivadavia, Argentina. June 9, 2001.
- “Como Evitar y Manejar Complicaciones Del Nervio Facial En Cirugía De Oído Crónico”. III Congreso Argentino de Otorrinolaringología y Fonoaudiología Pediátrica. Centrol Cultural Bernardino Rivadavia, Argentina. June 9, 2001.
- “Audiófonos Implantables”. III Congreso Argentino de Otorrinolaringología y Fonoaudiología Pediátrica. Centrol Cultural Bernardino Rivadavia, Argentina. June 9, 2001.
- “Reconstructive Cements in Otologic Surgery” – American Academy of Otolaryngology – Head and Neck Surgery Foundation, Inc. 2001 Annual Meeting. Denver, CO, September 11, 2001.
- “Long Term Results – Hydroxyapatite Cranioplasty in Acoustic Neuroma” – American Academy of Otolaryngology – Head and Neck Surgery Foundation, Inc. 2001 Annual Meeting. Denver, CO, September 12, 2001.
- “Vertigo Métodos Básicos y Avanzados” – American Academy of Otolaryngology – Head and Neck Surgery Foundation, Inc. 2001 Annual Meeting. Denver, CO, September 12, 2001.
- “Como Evitar Daño al Nervio Facial en Cirugía de Oído Crónico”. XXI Congreso Nacional de Otorrinolaringología del Centro Medico La Raza, México. February 14, 2002.
- “Curso Teórico de Implantes Cocleares”. XXI Congreso Nacional de Otorrinolaringología del Centro Medico La Raza, Ixtapa, Zihuatanejo, México. February 15, 2002.
- “Mesa Adonda de Oído Crónico”. XXI Congreso Nacional de Otorrinolaringología del Centro Medico La Raza, Ixtapa, Zihuatanejo, México. February 16, 2002.
- “Considerations in Hearing Restoration”. Texas Association of Otolaryngology – Head and Neck Surgery Annual Meeting. Dallas, Texas. April 20, 2002.
- “Neuro-Otology in General Otolaryngology”. Texas Association of Otolaryngology – Head and Neck Surgery Annual Meeting. Dallas, Texas. April 20, 2002.
- “Implantable Hearing Aids – Future Directions” – American Neurotology Society Fall Meeting, San Diego, CA. September 22, 2002.
- “Conocimiento del hueso temporal en tres Dimensiones para entender abordajes neuro-otologicas” Curso Teórico Practico de Otolología PEMEX, México DF, December 5, 2002.

- “Como evitar y tratar parálisis facial”, Curso Teórico Practico de Otolología PEMEX, México DF, December 5, 2002.
- “Meso sobre parálisis facial”, Curso Teórico Practico de Otolología PEMEX, México DF, December 5, 2002.
- “Descompresión microvascular para vértigo del VIII par”, Curso Teórico Practico de Otolología PEMEX, México DF, December 5, 2002.
- “Laberintectomia parcial con 30értigo30ente de la 30értigo30 en otoneurocirugia”, Curso Teórico Practico de Otolología PEMEX, México DF, December 5, 2002.
- “Mesa de 30értigo30e coordinada sobre Aotoesclerosis”, Curso Teórico Practico de Otolología PEMEX, México DF, December 6, 2002.
- “Resultados auditivos utilizando esteroides Transtimpanicos”, Curso Teórico Practico de Otolología PEMEX, México DF, December 6, 2002.
- “Aplicaciones de cementos en 30értigo 3030e”, Curso Teórico Practico de Otolología PEMEX, México DF, December 6, 2002.
- “Experiencias con el nuevo 30értigo30 totalmente implantable Envoy”, Curso Teórico Practico de Otolología PEMEX, México DF, December 6, 2002.
- “Transtympanic Steroids in Meniere’s Disease, Do They Really improve Hearing?” Hillman T, Arriaga MA, Chen DA. Eastern Section of the Triological Society, Boston MA, January 2003.
- “Hydroxyapatite Cement in Acoustic Neuroma Surgery.” Hillman T, Arriaga MA, Chen DA. North American Skull Base Society Annual Meeting, February 2003.
- “Transtympanic Therapies for Neuro-Otologic Disease”. Allegheny General Hospital Neuroscience Grand Rounds, April 2003.
- “Implantable Hearing Aids”. Pennsylvania American Academy of Otolology – Head and Neck Surgery Annual Scientific Meeting, Pittsburgh, PA, June 20 – 21, 2003.
- “The Role of Cements in Otologic Surgery”. Symposium: “Current Trends in Otolology: A US Perspective” Carolina Ear Research Institute, Helsinki Finland, August 16, 2003.
- “Implantable Hearing Devices: Bone Anchored and Middle Ear Devices”. Symposium: “Current Trends in Otolology: A US Perspective” Carolina Ear Research Institute, Helsinki Finland, August 16, 2003.
- Vertigo – Métodos Básicos y Avanzados” – American Academy of Otolaryngology – Head and Neck Surgery Annual Meeting, September 22, 2003.
- “Reconstructive Cements in Otologic Surgery” – American Academy of Otolaryngology – Head and Neck Surgery – 2003 Annual Meeting, Orlando, Florida, September 23, 2003.
- “Hearing Preservation in Partial Labyrinthectomy” – III Triological Congress of Otorhinolaryngology, Rio de Janeiro, Brazil, October 9, 2003.
- “Treatment of Sensori-neural Deep Dysacusia with Transcanal Amplication”, III Triological Congress of Otorhinolaryngology, Rio de Janeiro, Brazil, October 9, 2003.
- “Results Achieved with Envoy (Totally Implantable Hearing Prosthesis)”, III Triological Congress of Otorhinolaryngology, Rio de Janeiro, Brazil, October 10, 2003.
- “Hearing Results in the Treatment of Meniere’s Disease; section of the Vestibular Nerve or Transtympanic

- Gentamicin”, October 10, 2003.
- “Individualizing Management of Acoustic Neuroma”, Otology Update course, University of California at San Francisco, November 14, 2003.
- “Cements in Otology”, Otology Update course, University of California at San Francisco, November 14, 2003.
- “Historia de la cirugía de la base del cráneo y de los tumores glómicos”. Diagnóstico y Tratamiento De Los Tumores Glómicos De Cabeza Y Cuello, IMSS Instituto Mexicano Del Seguro Social, México, March 17, 2004.
- “Evaluación preoperatoria y clasificación de los tumores glómicos”. Diagnóstico y Tratamiento De Los tumores Glómicos De Cabeza Y Cuello, IMSS Instituto Mexicano Del Seguro Social, México, March 17, 2004.
- “Las tres dimensiones de los abordajes neuro-otológicos”. Diagnóstico y Tratamiento De Los tumores Glómicos De Cabeza Y Cuello, IMSS Instituto Mexicano Del Seguro Social, México, March 17, 2004.
- “Conceptos claves neuroquirúrgicos en la cirugía de la base del cráneo”. Diagnóstico y Tratamiento De Los tumores Glómicos De Cabeza Y Cuello, IMSS Instituto Mexicano Del Seguro Social, México, March 18, 2004.
- “Abordajes quirúrgicos de los tumores glómicos”. Diagnóstico y Tratamiento De Los tumores Glómicos De Cabeza Y Cuello, IMSS Instituto Mexicano Del Seguro Social, México, March 18, 2004.
- “Consideraciones vasculares en la cirugía de la base del cráneo”. Diagnóstico y Tratamiento De Los tumores Glómicos De Cabeza Y Cuello, IMSS Instituto Mexicano Del Seguro Social, México, March 18, 2004.
- “El nervio facial en la cirugía neuro-otológica”. Diagnóstico y Tratamiento De Los tumores Glómicos De Cabeza Y Cuello, IMSS Instituto Mexicano Del Seguro Social, México, March 18, 2004.
- “Abordaje Infratemporal tipo “A” de Fisch (Video)” Diagnóstico y Tratamiento De Los tumores Glómicos De Cabeza Y Cuello, IMSS Instituto Mexicano Del Seguro Social, México, March 18, 2004.
- “Reconstrucción de la base del cráneo con cemento de hidroxapatita”. Diagnóstico y Tratamiento De Los tumores Glómicos De Cabeza Y Cuello, IMSS Instituto Mexicano Del Seguro Social, México, March 19, 2004.
- “Manejo de los nervios craneanos en la cirugía de la base del cráneo”. Diagnóstico y Tratamiento De Los tumores Glómicos De Cabeza Y Cuello, IMSS Instituto Mexicano Del Seguro Social, México, March 19, 2004.
- Resultados, complicaciones y futuro de la cirugía de los tumores glómicos”. Diagnóstico y Tratamiento De Los tumores Glómicos De Cabeza Y Cuello, IMSS Instituto Mexicano Del Seguro Social, México, March 19, 2004.
- “Advances in Hearing Restoration”, University of Pittsburgh Medical Center’s Center for Continuing Education in the Health Sciences, North Hill’s Passavant Hospital, Pittsburgh, PA, April 13, 2004.
- “New Horizons in Hearing Restoration”, Central PA Society of Otolaryngology, Hershey, PA, October 20, 2004.
- “Rethinking Vestibular Testing”, Visiting Professor and Grand Rounds, Milton S. Hershey Medical Center, Hershey, PA, October 21, 2004
- “Treatment of Meniere’s Disease”. Eastern Section of the Triological Meeting. Washington, DC, January 29, 2005.
- “Transtympanic Dexamethasone in Cochlear Hydrops”. 5th International Symposium Meniere’s Disease and Inner Homeostasis Disorders, House Ear Institute, Los Angeles, CA, April 2-5, 2005.

- “Hydroxyapatite Cement Cranioplasty in Acoustic Neuroma Surgery – An Update” – American Neurotology Society, Boca Raton Resort and Club, Boca Raton, FL May 14, 2005.
- “Enhanced Hearing in Heat Activated Crimping Stapes Prosthesis Stapedectomy” American Otological Society, Boca Raton Resort and Club, Boca Raton, FL May 15, 2005.
- “Nuevas Horizontes en Restauración Auditiva”. Conferencia de Otorología y Laringología Fundación Santa Pe de Bogotá. Bogotá, Colombia, August 25, 2005.
- “Cirugía de Vértigo”. Conferencia de Otorología y Laringología Fundación Santa Pe de Bogotá. Bogotá, Colombia, August, 26, 2005.
- “Neurinomas del Acústico”. Conferencia de Otorología y Laringología Fundación Santa Pe de Bogotá. Bogotá, Colombia, August 26, 2005.
- “Otosclerosis Nueva Prótesis”. Curso Internacional de Actualización en otológico 32értigo32ente. Bogotá, Columbia, August 26, 2006.
- “Colesteatoma Congénito”. Curso Internacional de Actualización en otológico 32értigo32ente. Bogotá, Columbia, August 27, 2006.
- “Cual Abordaje en Cirugía Del Neurinoma Del Acústico”. Curso Internacional de Actualización en otológico 32értigo32ente. Bogotá, Columbia, August 27, 2006.
- “Casos Clínicos Básicos y Avanzados”. Curso Internacional de Actualización en otológico 32értigo32ente. Bogotá, Columbia, August 27, 2006.
- “Vértigo Métodos Básicos y Avanzados”. American Academy of Otolaryngology Head and Neck Surgery National Meeting. September 26, 2005, Los Angeles, CA.
- “Cements in Otolaryngology”. American Academy of Otolaryngology – Head and Neck Surgery National Meeting. September 27, 2005.
- “Diagnóstico de Vértigo”. Simposio del Instituto Auditivo de Argentina. Buenos Aires, Argentina. November 4, 2005.
- “Tratamiento de la Enfermedad de Meniere’s”. Simposio del Instituto Auditivo de Argentina. Buenos Aires, Argentina.
- “Envoy – Un Audifon Totalmente Implantable” Congreso 58° Aniversario de la Federación Argentina de Sociedades de Otorrinolaringología Mar del Plata, Argentina, November 19, 2005.
- “Tratamientos Transtimpánicos de Vértigo y Audición”. Congreso 58° Aniversario de la Federación Argentina de Sociedades de Otorrinolaringología Mar del Plata, Argentina, November 19, 2005.
- “Neurinomas del Acústico 2005”. Congreso 58 Aniversario de la 32értigo32en argentina de sociedades de 32értigo32ente32gología mar del plata, Argentina, November 20, 2005.
- “Como evitar y manejar parálisis del nervio facial en cirugía del 32értigo 32értigo32ente infectado”. Congreso 58 Aniversario de la 32értigo32en argentina de sociedades de 32értigo32ente32gología mar del plata, Argentina, November 20, 2005.
- “El papel de Prevebas rotacional versus ENG en el diagnóstico de 32értigo Periférico. Congreso 58 Aniversario de la Federación Argentina de sociedades de 32értigo32ente32gología mar del Plata, Argentina, November 21, 2005.
- “Cirugía de Vértigo”. Congreso 58 Aniversario de la Federación argentina de sociedades de

- Otorrinolaringología Mar del Plata, Argentina. November 21, 2005.
- “VVOR – A Diagnostic Tool for Migraine Vestibulopathy”. The Southern Section of The American Laryngological, Rhinological and Otological Society, Inc. Naples, FL, January 13, 2006.
- Panel: Practical Otology – The Southern Section of The American Laryngological, Rhinological and Otological Society, Inc. Naples, FL, January 13, 2006.
- “Avances en el diagnóstico y Manejo del Vértigo y Mareo”. XXI Congreso Centroamericano de Otorrinolaringología y Cirugía de Cabeza y Cuello, La Ceiba, Atlántida, Honduras, C.A. February 8, 2006.
- “Tratamiento de la Enfermedad de Meniere”. XXI Congreso Centroamericano de Otorrinolaringología y Cirugía de Cabeza y Cuello, La Ceiba, Atlántida, Honduras, C.A. February 9, 2006.
- “Neurinoma del Acústico”. XXI Congreso Centroamericano de Otorrinolaringología y Cirugía de Cabeza y Cuello, La Ceiba, Atlántida, Honduras, C.A. February 10, 2006.
- “Complicaciones vasculares de vértigo vértigo33e y base de vértigo”. Curso Internacional Urgencias y Complicaciones en Otorrinolaringología, México. February 17, 2006.
- “Complicaciones quirúrgicas del oído crónicamente infectado”. Curso Internacional Urgencias y Complicaciones en Otorrinolaringología, México. February 17, 2006.
- “Cirugía del 33értigo. Curso Internacional Urgencias y Complicaciones en Otorrinolaringología, México. February 18, 2006.
- “Lesiones de cadena oscicular”. Curso Internacional Urgencias y Complicaciones en Otorrinolaringología, México. February 18, 2006.
- “Facial Nerve Management” Louisiana State University Department of Otology Grand Rounds, April 29, 2006.
- “Rotational Chair Testing in the 21st Century”. St. Louis, MO. May 5, 2006.
- “Manejo del Nervio Facial en Cirugía del Oído,” Congreso XVII SOCMNO (Sociedad de Otorrinlaringologia del Centro Medico National Occidente, Puerto Vallarta, 8 September 2006.
- “Neurinoma del Acústico y el ORL General,” Congreso XVII SOCMNO (Sociedad de Otorrinlaringologia del Centro Medico National Occidente, Puerto Vallarta, 8 September 2006.
- “Manejo del Vértigo Moderno,” Congreso XVII SOCMNO (Sociedad de Otorrinlaringologia del Centro Medico National Occidente, Puerto Vallarta, 8 September 2006.
- “Manejo Quirúrgico del Vértigo”, 18th Congress of The Sociedad de Otorrinolaringología del Centro Médico Nacional, Puerto Vallarta, México, 13-15, September, 2007.
- “Concepto actual de los Audiófonos Implantables”, 18th Congress of The Sociedad de Otorrinolaringología del Centro Médico Nacional, Puerto Vallarta, México, 13-15, September, 2007.
- “Lesiones del Ápex Petroso”, 18th Congress of The Sociedad de Otorrinolaringología del Centro Médico Nacional, Puerto Vallarta, México, 13-15, September, 2007.
- “Cirugía de Vértigo”, LVIII Congreso Nacional de la Sociedad Mexicana de Otorrinolaringología y Cirugía de Cabeza y Cuello, Cancún, México, 4 May, 2008.
- “Diseción de Hueso Temporal”, LVIII Congreso Nacional de la Sociedad Mexicana de Otorrinolaringología y Cirugía de Cabeza y Cuello, Cancún, México, 4 May, 2008.
- “Estado Actual del Diagnostic y Tratamiento del Vértigo”, LVIII Congreso Nacional de la Sociedad Mexicana de

- Otorrinolaringología y Cirugía de Cabeza y Cuello, Cancún, México, 4 May, 2008.
- “Manejo Quirúrgico del Nervio Facial”, LVIII Congreso Nacional de la Sociedad Mexicana de Otorrinolaringología y Cirugía de Cabeza y Cuello, Cancún, México, 4 May, 2008.
- “Complicaciones de la Cirugía de Oído Crónicamente Infechado”, LVIII Congreso Nacional de la Sociedad Mexicana de Otorrinolaringología y Cirugía de Cabeza y Cuello, Cancún, México, 4 May, 2008.
- Panel Discussion: “Challenges in Acoustic Neuroma Management”. North American Skull Base Society and The World Federation of Skull Base Society Annual Meeting, Vancouver, BC, September 11, 2008.
- “Gadolinium Induced Nephrogenic induced Fibrosis in Skull Base Imaging”. North American Skull Base Society and The World Federation of Skull Base Society Annual Meeting, Vancouver, BC, September 11, 2008.
- ”Taller de Baha”. V Triologico III Reunión De La Sociedad Venezolana. Con La Academia Americana y I Reunión Con La Sociedad Española De Otorrinolaringología Y Cirugía De Cabeza Y Cuello. Caracas, Venezuela, October 31, 2008.
- “Terapias Transtimpanicas en enfermedades Neurotologicas”. V Triologico III Reunión De La Sociedad Venezolana. Con La Academia Americana y I Reunión Con La Sociedad Española De Otorrinolaringología Y Cirugía De Cabeza Y Cuello. Caracas, Venezuela, October 31, 2008.
- “Conceptos claves Neuroquirúrgicos en la Cirugía de Base de Cráneo”. V Triologico III Reunión De La Sociedad Venezolana. Con La Academia Americana y I Reunión Con La Sociedad Española De Otorrinolaringología Y Cirugía De Cabeza Y Cuello. Caracas, Venezuela, November 1, 2008.
- “Acoustic Neuroma – Options and Outcomes 2009”. 4th International Otology Conference and Workshop. Al-Adan Hospital, Kuwait, March 5, 2009.
- “Balance and Vertigo Diagnostic Treatment Advances”. 4th International Otology Conference and Workshop. Al-Adan Hospital, Kuwait, March 6, 2009.
- “Cements and Nitinol in Middle Ear and Skull Base Surgery”. 4th International Otology Conference and Workshop. Al-Adan Hospital, Kuwait, March 7, 2009.
- “Acoustic Tumor Observation and Failure to Follow-up”. Co-presenter: American Academy of Otolaryngology-Head and Neck Surgery Foundation, 2009 Annual Meeting, San Diego, CA, October 7, 2009.
- “Applicability of the Pittsburgh Staging System for Advanced Cutaneous Malignancy of the Temporal Bone”. Abstract accepted for presentation at the Skull Base Meeting, New Orleans, LA, October, 2009.
- “Telemedicine as a Resource for Restricted Physician Manpower”. Physician Manpower Mini-Seminar, AAO-HNS National Meeting, San Diego, CA, October 5, 2009.
- “Emerging Technologies and Hearing Aids: Implantable Devices”. Hearing Aids Mini-Seminar, AAO-HNS National Meeting, San Diego, CA, October 5, 2009.
- “Telemedicine – Enhanced Neurotology Skull Base Program in Post Katrina Louisiana”. Co-Presented at North American Skull Base Society Meeting, New Orleans, LA October 16, 2009.
- “Cirugía Vestibular.” Sociedad de Otorrinolaringología y Audiología del Centro México Nacional (3^a. Reunión), Puebla, México, January 22 – 23, 2010.
- “Telemedicina en Otología.” Sociedad de Otorrinolaringología y Audiología del Centro México Nacional (3^a. Reunión), Puebla, México, January 22 – 23, 2010.
- “Audiófonos implantables.” Sociedad de Otorrinolaringología y Audiología del Centro México Nacional (3^a. Reunión), Puebla, Mexico, January 22 – 23, 2010.

"Four-Handed Neurotologic Skull Base Microsurgery" Abstract accepted for presentation at the AAO-HNS Annual Meeting, Boston, MA September 2010.

"Transtemporal Approaches in Skull Base Surgery." Center for Advanced Practice, Louisiana State University, New Orleans, Louisiana. October 11, 2010.

"Hydroxyapatite Cement Cranioplasty in Prevention of Spinal Fluid Leak in Translabyrinthine Acoustic Neuroma Surgery." Innovations in Otology Panel Presentation at the Sixth International Conference on Acoustic Neuroma, Los Angeles, California. June 29, 2011.

"Four Handed Microsurgery in Acoustic Neuroma." Sixth International Conference on Acoustic Neuroma, Los Angeles, California. June 30, 2011.

"Telemedicine in Otolaryngology and Neurotology." Chandler Society Resident day, University of Miami Department of Otolaryngology, Miami, Florida. June 11, 2011.

"Implants in Pediatric Hearing Loss." Our Lady of the Lake Pediatric Lecture Series, Baton Rouge, Louisiana. August 17, 2011.

Panel Presentation: "Pediatric Stapedectomy" at Otosclerosis Study Group National Meeting, Washington DC, September 12, 2012.

"Facial nerve considerations in chronic ear surgery: Dizziness diagnosis, testing and treatment", "Surgical anatomy and techniques of temporal bone dissection", Dallas foundation of Otology, October 20, 2012.

"Temporal Bone Carcinoma Staging", Panel Presentation, North American Skull Base Society Spring Meeting. San Diego, CA. February 14-16, 2014.

"Practical Applications of Vestibular Tests", with Micah Klumpp PhD, AAO-HNS National Meeting, September 23, 2014.

"Alternative Implantable Devices: BAHA, BoneBridge, SoundBRidge," moderator, panel presentation, 14th International Pediatric Cochlear Implant Meeting, Nashville, TN, December 11-13, 2014.

"Management of Skull Base Cholesteatomas", International Conference on Cholesteatoma. Edinburgh, Scotland, June 8, 2016.

"Role of Acoustic Neuromas in Anatomical Lesions of the Facial Nerve," International Facial Nerve Symposium; Los Angeles, CA, Aug 3, 2017.

"Conduits and Overlay Grafts in Facial Nerve Repair," International Facial Nerve Symposium; Los Angeles, CA, Aug 5, 2017.

Facial Nerve Repair Session, Panel Chair, International Facial Nerve Symposium; Los Angeles, CA, Aug 5, 2017.

POSTER PRESENTATIONS:

"Ploidy and Size Distribution of Cultured Human Megakaryocyte. Interrelationship Between Mitosis and Endomitosis"- Annual Meeting, American Federation of Clinical Research. Washington, D.C., May 5-7, 1986.

"Squamous Cell Carcinoma of the External Auditory Canal" –Annual Meeting, American Academy of Otolaryngology Head and Neck Surgery. Chicago, Illinois, 19-23, 1987.

"Ectopic Thyroid in the Retroesophageal Superior Mediastinum" – Annual Meeting, American Academy of

- Otolaryngology- Head and Neck Surgery. Chicago, Illinois, September 19-23, 1987.
- “Pediatric Airway Obstruction From a Transplant Associated Malignancy” – Annual Meeting, American Society of Pediatric Otolaryngology. Charleston, South Carolina, April 20-23, 1988.
- “Parotid Duct Communicating with a Labial Pit and Ectopic Salivary Cyst” – Annual Meeting, American Society of Pediatric Otolaryngology. San Diego, California, May, 1989.
- “The Role of Preoperative CT Scans in Staging External Auditory Meatus Carcinoma – A Radiological-Pathological Correlation Study” – Annual Meeting, American Academy of Otolaryngology-Head and Neck Surgery. New Orleans, Louisiana, September 24-28, 1989.
- “Preoperative SPGR MRI in Surgical Planning for Petrous Apex Cholesterol Granuloma,” Edgar Boyd, MD; Moises Arriaga, MD; and Richard Kulznick, MD. Annual Meeting of the North American Skull Base Society. Saddleback, Arizona, February, 1993.
- “Bony Modified Radical Mastoidectomy in Osteoradionecrosis of the Temporal Bone,” Joe Wiseman, MD and Moises Arriaga, MD. Annual Meeting of the American Academy of Otolaryngology- Head and Neck Surgery. San Diego, CA, September, 1994.
- “Actinomyces Infection of a Petrous Apex Epidermoid Masquerading as an Invasive Skull Base Tumor,” Randall OW, MD and Moises Arriaga, MD. Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery. New Orleans, LA, September, 1995.
- “Anatomic Basis for an Enhanced Retrosigmoid Approach with Posterior Semicircular Canal Resection,” Moises Arriaga MD and Michael Gorum MD. Congress of Neurological Surgeons Annual Meeting. San Francisco, CA, October 14, 1995.
- “Techniques of Cochlear Implantation in Far Advanced Otosclerosis,” Randy Ow, MD and Moises Arriaga, MD. Annual Meeting of American Academy of Otolaryngology – Head and Neck Surgery. Washington, DC, September 29 – October 2, 1996.
- “Dural Venous Sinuses in Chronic Otitis Media”, Moisés A. Arriaga, MD and Douglas A. Chen, MD. Centennial Meeting of the Triological Society. Scottsdale, AZ, May 12-13, 1997.
- “The Role of Computerized Tomography in Evaluating Temporal Bone Fractures.” American Academy of Otolaryngology. San Antonio, TX, September 13 – 16, 1998.
- “Visual-Vestibular Hypersensitivity Syndrome Identified with VVOR Rotational Chair Testing”, Arriaga MA, Chen DA, Cenci KC. Presented at The Triological Society 2004 Southern/Middle Section Meeting. Marco Island, FL. January 8 – January 11, 2004.
- “Does ECOG Predict Hearing After Endolymphatic Sac Surgery”. Lacour J, Pero C, Arriaga MA. Poster Presentation, AAO-HNS National Meeting, San Diego, CA , October 2-4, 2009.
- “Cochlear Implantation Following a Major Natural Disaster.” Arriaga M, D’Antoni D, Marks H, Crabtree T. Annual Meeting, Triological Society. Las Vegas, NV. April 29, 2010.
- “Defining the Level of Abnormal EGOG in a Neurotology Practice.” Klumpp M, Guzman M, Arriaga M. American Academy of Otolaryngology and Head and Neck Surgery. San Francisco, CA. September 10 – 14, 2011.
- “Temporal Bone Encephalocele Repair – Our Experience”, Rahul Mehta, MD, North American Skull Base Society Spring Meeting. San Diego, CA. February 14-16, 2014. (Arriaga, MA - Faculty Supervisor).
- “Skull Base Adenoid Cystic Carcinoma – Clinical Series and Outcomes”, Rahul Mehta, MD, North American Skull Base Society Spring Meeting. San Diego, CA. February 14-16, 2014. (Arriaga, MA - Faculty Supervisor).

“External Auditory Canal and Temporal Bone Carcinoma with Parotid Gland and Facial Nerve Involvement”, Sam Spear, MD, North American Skull Base Society Spring Meeting. San Diego, CA. February 14-16, 2014. (Arriaga, MA - Faculty Supervisor).

“AAOHNS Guidelines for Bell’s and Sudden Hearing Loss”, Greater New Orleans ENT Society. New Orleans, Louisiana. March 27, 2014.

“Does high monopolar cautery adversely affect cochlear implants?” Neal Jackson, MD, Triological Society Spring Meeting. Las Vegas, NV. May 16, 2014. (Arriaga, MA - Faculty Supervisor).

“The Relationship of Age on Radiographic Incidence of Superior Semicircular Canal Dehiscence in Pediatric Patients”, Neal Jackson, MD, American Otological Society Annual Meeting. Las Vegas, NV. May 17, 2014. (Arriaga, MA - Faculty Supervisor).

“Objective and Subjective Findings in Patients with Dehiscence versus Thin Bone over the Superior Semicircular Canal”, Rahul Mehta, MD, American Neurotology Society Spring Meeting. Las Vegas, NV. May 18, 2014. (Arriaga MA - Faculty Supervisor).

“AAOHNS Guidelines for Bell’s and Sudden Hearing Loss”, Baton Rouge ENT Society. Baton Rouge, LA. August, 26, 2014.

“Facial Nerve Paralysis Overview 2015”, LSU Otolaryngology Didactic Day, Our Lady of the Lake Regional Medical Center, December 8, 2015.

COURSE DIRECTOR:

Temporal Bone Dissection Course San Antonio, TX

Date	Guest Instructor
February 6-8, 1992	Antonio De La Cruz
March 19-20, 1993	Donald Kameron
March 18-19, 1994	John McElveen
February 23-25, 1995	Derald Brackmann and Antonio De La Cruz
September 6-7, 1998	

Head and Neck Surgery and Reconstruction Course

February 3-4, 1994	Eugene Myers (Guest Instructor)
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Otitis Media Practical Workshop, San Antonio, TX

July 27-28, 1994	Sylvan Stool (Guest Instructor)
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Allegheny Neuroscience Institute Temporal Bone Dissection Course (Co-Director)

April 26-28, 1996
October 25-26, 1996
June 12-14, 1997
October 10-12, 1997
October 16-17, 1998
June 4-5, 1999
October 21-22, 1999
April 14-15, 2000
June 22-23, 2001
June 26-27, 2002
April 25-26, 2003
June 20-21, 2003
October 24-25, 2003
April 16-17, 2004
October 29-30, 2004

April 28-29, 2006
June 23-24, 2006
October 27-28, 2006
April 13-14, 2007
June 22-23, 2007
October 26-27, 2007
April 11-12, 2008
April 24-25, 2009
June 12-13, 2009

Medicolegal Assessment of Hearing Loss (Co-Director)
June 25-27, 1998 Allegheny University Hospitals held in Hilton Head, South Carolina

Hearing and Balance Disorders in Primary Care
November 11, 1999 Allegheny General Hospital, Pittsburgh, PA

Louisiana State University Residents Course at Allegheny General Hospital
May 6-7, 2006 and 2007

Louisiana State University Health Sciences Center -- Temporal Bone Dissection Course, New Orleans, LA
(Course Director)

DATE	GUEST INSTRUCTOR
November 22, 2009	Fred Owens, MD
November 20, 2010	John McElveen, MD
October 29, 2011	Jeffrey Vrabec, MD
December 10-11, 2011	Barry Hirsch, MD
January 20-21, 2012	Tim Maloney, MD
April 13-14, 2012	
October 27, 2012	Douglas Green, MD
December 7-8, 2012	John House, MD
January, 2013	Sam Levine, MD
April, 2013	Maura Cosetti, MD
November, 2013	Roland Eavey, MD
December, 2013	Peter Roland, MD
January 17-18, 2014	Craig Buchman, MD
April 11-12, 2014	Nik Blevins, MD
November 1, 2014	Timothy Molony, MD
February 6-7, 2015	Judith White, MD
May 22-23, 2015	Ashkan Manfared, MD
November 20, 2015	Jeffrey Sharon, MD

COURSE INSTRUCTOR:

Colegio de Médicos y Cirujanos, Hospital Nacional de Niños, San José, Costa Rica. Latin America Otitis Media Research and Training Group Seminar and Workshop. January 20-23, 1989.

Simposio de Infecciones Severas, Guadalajara, Mexico Latin America Otitis Media Research and Training Group Seminar and Workshop. January 24-26, 1989.

Curso de Infecciones en Niños del Ministerio de Salud de Chiapas; Tuxtla Gutiérrez, Chiapas, México. Latin America Otitis Media Research and Training Group Seminar and Workshop. January 10-14, 1990.

Surgical Dissection Course, House Ear Institute Los Angeles, California. April 8-10, 1992.

Jornadas de Pediatría de la Asociación de Médicos del Hospital Infantil de México y la Universidad Autónoma del Edo. de Hidalgo, Pachuca, Hgo, México. Latin America Otitis Media Research and Training Group Seminar and Workshop. November 18, 1992.

Curso de Otitis Media de la Asociación de Pediatras de Culiacán, México. Latin America Otitis Media Research and Training Group Seminar and Workshop. January 18, 1993.

Dallas Foundation of Otology, Surgical Dissection of the Temporal Bone Course. Dallas, Texas, January 24-26, 1993

Dallas Foundation of Otology, Surgical Dissection of the Temporal Bone Course Dallas, Texas. February 28 -March 3, 1993.

Dallas Foundation of Otology, Surgical Dissection of the Temporal Bone Course Dallas, Texas. August 31 - September 2, 1993.

Neurosurgery and Neurology Update for Primary Care Physicians, Emory University School of Medicine, Atlanta, Georgia. December 10-11, 1993.

Curso de Otitis Media de la Asociación de Pediatras de Yucatán, Mérida, México. Latin America Otitis Media Research and Training Group Seminar and Workshop. January 17, 1994.

Dallas Foundation of Otology, Surgical Dissection of the Temporal Bone Course, Dallas, Texas. January 23-25, 1994.

House Ear Institute, Temporal Bone Dissection Course, Los Angeles, CA. June 8-9, 1994.

Dallas Foundation of Otology, Temporal Bone Dissection Course, Dallas, Texas. September 6-7, 1994.

Taller Practico Sobre la Otitis Media, Latin American Otitis Media Training Group Seminar and Workshop, San Cristobal, Táchira, Venezuela S.A. October 30-31, 1994.

Taller Practico Sobre La Otitis Media, Latin American Otitis Media Training Group Seminar and Workshop, Morelia, Michoacán, Mexico. January 15-16, 1995.

Dallas Foundation of Otology, Temporal Bone Dissection Course, Baylor University Medical School. January 29-31, 1995.

Mayo Clinic Temporal Bone Anatomy Course, Rochester, Minnesota. February 10-11, 1995.

Carolina Ear Institute Temporal Bone Dissection Course, Raleigh, North Carolina. May 18-20, 1995.

Dallas Foundation of Otology, Temporal Bone Dissection Course, Baylor University Medical School, Dallas, Texas. January 28-29, 1996.

Dallas Foundation of Otology, Baylor University Medical School, Dallas, Texas. August 31 - September 1, 1996.

Allegheny Neuroscience Institute Temporal Bone Microanatomy and Hands-On Dissection Workshop, Allegheny General Hospital, Pittsburgh, PA. June 12-14, 1997.

Dallas Foundation of Otology, Temporal Bone Dissection Course, Dallas, Texas. October 1 -5, 1997.

Temporal Bone Surgical Dissection Course, House Ear Institute, Los Angeles, CA. October 13, 1997.

American Academy of Otology, "Hearing Preservation Acoustic Neuroma Surgery", San Antonio, Texas. September 13, 1998.

American Academy of Otolaryngology, "Management of Iatrogenic Facial Paralysis", San Antonio, TX. September 14, 1998.

Temporal Bone Surgical Dissection Course, House Ear Institute, Los Angeles, CA. January 18, 1999.

Dallas Foundation of Otolaryngology, "Cirugía de Tumores Acústicos", Dallas, Texas. 14 March, 1999.

Temporal Bone Course, Allegheny General Hospital, Pittsburgh, PA . October 21, 1999

Hearing and Balance Disorders in Primary Care, Allegheny General Hospital, Pittsburgh, November 11, 1999.

"Vértigo: Médicos Básicos y Avanzados". American Academy of Otolaryngology - Head and Neck Surgery. Washington, DC. September 24, 2000.

"Update on Implantable Middle Ear Hearing Devices". American Academy of Otolaryngology - Head and Neck Surgery. Washington, DC. September 25, 2000.

"Prevention and Management of Iatrogenic Facial Nerve Injury". Temporal Bone Dissection Course University of Michigan. October 11, 2000.

"The Difficult Chronic Ear". Temporal Bone Dissection Course University of Michigan. October 12, 2000.

"Descompressao do Saco Endolinfático vs. Seccao do Nervo." CUF Congresso de ORL, Lisbon, Portugal. October 27, 2000.

"Diagnostico Gama Knife vs. Cirugía". CUF Congresso de ORL, Lisbon, Portugal. October 27, 2000.

"Vias de Abordagem Qual escolher Preservacao da Audicao". CUF Congresso de ORL, Lisbon, Portugal. October 27, 2000.

"Cirugía da Vertigo" CUF Congresso de ORL, Lisbon, Portugal. October 27, 2000.

"Facial Nerve Paralysis". 10th Annual Temporal Bone Surgical Dissection Course. Wilford Hall Medical Center, Lackland AFB, San Antonio, TX. February 2, 2001.

"Chronic Ear Surgery". Temporal Bone Dissection Course Allegheny General Hospital. June 22, 2001

"Individualizing Acoustic Neuroma Surgery". Temporal Bone Dissection Course Allegheny General Hospital, Pittsburgh, PA. June 23, 2001.

"Surgery for the Difficult Chronic Ear". 10th Annual Temporal Bone Surgical Dissection Course. Wilford Hall Medical Center, Lackland AFB, San Antonio, TX. February 2, 2001.

"Cements in Otolaryngology". American Academy of Otolaryngology - Head and Neck Surgery, San Diego, CA, September, 2002.

"Vértigo - Métodos Básicos y Avanzados". American Academy of Otolaryngology - Head and Neck Surgery, San Diego, CA. September, 2002.

"Chronic Ear Surgery". Temporal Bone Dissection Course, Allegheny General Hospital, Pittsburgh, PA . October 29, 2004.

"New Horizons in Hearing Restoration". Temporal Bone Dissection Course, Allegheny General Hospital, Pittsburgh, PA. October 30, 2004.

"Advances in Implantable Hearing Aid Technology", Hands-on Hearing and Balance Workshop. American Academy of Otolaryngology-Head and Neck Society/ANS, Chicago, IL, September 20, 2008.

"Petrous Bone Anatomy for Middle Cranial Fossa and Anterior Petrosal Approaches", Microscopic and

Endoscopic Approaches for Skull Base Surgery Course, Allegheny General Hospital, Pittsburgh, PA, October 11, 2008.

Otology Didactic Lectures, Louisiana State University, Pittsburgh, PA Baton Rouge, LA New Orleans, LA Lafayette, LA, Weekly 2006 – Present.

Transtemporal Approaches in Skull Base Surgery (lecture) At " Endoscopic and Endonasal Surgery of the Pituitary and Cranial Base and Advanced Techniques in Open Skull Base Surgery: A Skull Base Course for Senior Neurosurgery and Otolaryngology Residents. September 10-11,2010. Center for Advanced Surgery, Louisiana State University, New Orleans, LA

American Neurotology Society, May 1, 2011, "Vestibular Schwannoma" invited commentator/moderator.

AAO-HNS Instructional Course, "Practical Applications of Vestibular Testing", Vancouver, October 2, 2013.

Course instructor: North American Skull Base Society, Advanced Course in Surgical Technique, Translabyrinthine, Transcochlear and Transotic exposure, July 11, 2015, New Orleans, La.

Instructor, Temporal Bone Dissection Course; UPMC, August 2015, Pittsburgh, Pa.

Summer Course Faculty, North American Skull Base Society, "Translabyrinthine Approach" July 30, 2016, LSU Center for Advanced Practice, New Orleans, LA.

VISITING PROFESSOR / INVITED GUEST:

Emory University, Neurosurgical Grand Rounds, Atlanta, Georgia. December 9, 1993.

Mayo Clinic Jacksonville, Otolaryngology Grand Rounds, "Expanding Applications of Neurotologic Skull Base Surgery" Jacksonville, Florida. April 23, 1994.

University of Mississippi, Otolaryngology Grand Rounds, "Indications and Applications of Cochlear Implants" Jackson, Mississippi. June 3, 1994.

Mayo Clinic, Otology Grand Rounds, "Decisions in Chronic Otitis Media". June 9, 1995.

Organization of Puerto Rican Audiologists and Speech Pathologists, Annual Meeting, Humacao Puerto Rico, 1995.

University of Colorado Department of Otolaryngology Grand Rounds, Expanding Applications of Neurotologic Cranial Base Surgery, Denver, Colorado. November 30, 1995.

XXI Congreso Venezolano de Otorrinolaringología. San Cristóbal, Venezuela. 12-15, November, 1997.

University of Texas Southwestern Medical School. Dallas, TX. 1 - 2, October, 1998.

Real Academia de Medicina y Cirugía, "Manejo Multidisciplinario de vértigo y desequilibrio". La Corona, Spain, 20 May, 1999.

Invited Guest of Honor - XXX Congreso Nacional de Otorrinolaringología y Cirugía de Cabeza y Cuello del la Sociedad Colombiana de Otorrinolaringología y Cirugía de Cabeza y Cuello, San Adres, Isla, Columbia May 31 - June 4, 2000.

Grand Rounds - University of Michigan "Totally Implantable Hearing Aids". October 12, 2000.

Invited Foreign Speaker - XXI Congreso Nacional de Otorrinolaringología del Centro Medico La Raza. Ixtapa, Zihuatanejo, México, February 14 - 17, 2002.

Invited Foreign Speaker - Curso Teórico Practico de Otolología, México DF, México December 4 - 7, 2002.

- Invited International Speaker – III Triological Congress of Otorhinolaryngology. Rio de Janeiro, Brazil, October 9-10, 2003.
- Invited Foreign Speaker – Instituto Mexicano de Seguros Social, DIAGNOSTICO Y TRATAMIENTO DE LOS TUMORES GLOMICOS DE CABEZA Y CUELLO, Hospital Siglo XXI, México City, March 17 – 20, 2003.
- “Descompresión Microvascular”. Invited International Lecturer, Pan American Society of Otolaryngology Meeting, Guatemala City, Guatemala, November 5, 2004.
- “Eutal y Manejar Daño al Nervio Facial” - Invited International Lecturer, Pan American Society of Otolaryngology Meeting, Guatemala City, Guatemala, November 5, 2004.
- “Silla Rotatoria vs ENG en el Diagnóstico de vértigo”. Invited International Lecturer, Pan American Society of Otolaryngology Meeting, Guatemala City, Guatemala, November 5, 2004.
- “Manejo de Atresia Congénita” – Round Table Discussion - Invited International Lecturer, Pan American Society of Otolaryngology Meeting, Guatemala City, Guatemala, November 5, 2004.
- “Cirugía Oído Crónico”. Mesa Discusión. Invited International Speaker. Congreso Nacional de la Sociedad Mexicana de Otorrinolaringología Cirugía de Cabeza y Cuello, A.C. LV Congreso Nacional SMORL Y CCC. México, May 1, 2005.
- “Como Evitar y Manejar Parálisis del Nervio Facial en Cirugía del Oído”. Invited International Speaker. Congreso Nacional de la Sociedad Mexicana de Otorrinolaringología Cirugía de Cabeza y Cuello, A.C. LV Congreso Nacional SMORL Y CCC. México, May 2, 2005.
- “Tratamientos Transtimpánicos de Audición y Vértigo”. Invited International Speaker, Congreso Nacional de la Sociedad Mexicana de Otorrinolaringología Cirugía de Cabeza y Cuello, A.C. LV Congreso Nacional SMORL Y CCC. México, May 3, 2005.
- “Neurinomas del Acústico 2005”. Invited International Speaker, Congreso Nacional de la Sociedad Mexicana de Otorrinolaringología Cirugía de Cabeza y Cuello, A.C. LV Congreso Nacional SMORL Y CCC. México, May 3, 2005.
- “Controversias en Cirugía del Nervio Facial. Mesa Discusión. Invited International Speaker, Congreso Nacional de la Sociedad Mexicana de Otorrinolaringología Cirugía de Cabeza y Cuello, A.C. LV Congreso Nacional SMORL Y CCC. México, May 3, 2005.
- Manejo Quirúrgico Otitis Media Crónica. Mesa Discusión. Invited International Speaker, Congreso Nacional de la Sociedad Mexicana de Otorrinolaringología Cirugía de Cabeza y Cuello, A.C. LV Congreso Nacional SMORL Y CCC. México, May 3, 2005.
- “Tres Dimensiones de Abordajes Neurootológicos”. Curso Internacional de Actualización en otología laringología, Bogotá, Colombia. August 25, 2005.
- “Cirugía del Vértigo”. Curso Internacional de Actualización en otología laringología, Bogotá, Colombia. August 25, 2005.
- “Nuevos Horizontes en la Rehabilitación Auditiva”. Curso Internacional de Actualización en otología laringología, Bogotá, Colombia. August 25, 2005.
- “Otosclerosis Nueva Prótesis”. Curso Internacional de Actualización en otología laringología, Bogotá, Colombia. August 26, 2005.
- “Colesteatoma Congénito”. Curso Internacional de Actualización en otología laringología, Bogotá, Colombia. August 27, 2005.

- “Cual Abordaje en Cirugía Del Neurinoma Del Acústico”. Curso Internacional de Actualización en otología laringología, Bogotá, Columbia. August 27, 2005.
- “Casos Clínicos Básicos y Avanzados”. Curso Internacional de Actualización en otología laringología, Bogotá, Columbia. August 27, 2005.
- “Avances en el diagnóstico y Manejo del Vértigo y Mareo.” Invited Speaker, XXI Congreso Centroamericano de Otorrinolaringología y Cirugía de Cabeza y Cuello, La Ceiba, Atlántida, Honduras C.A. February 8, 2006.
- “Tratamiento de la Enfermedad de Meniere”. Invited Speaker, XXI Congreso Centroamericano de Otorrinolaringología y Cirugía de Cabeza y Cuello, La Ceiba, Atlántida, Honduras C.A. February 9, 2006.
- “Neurinoma del Acústico”. Invited Speaker, XXI Congreso Centroamericano de Otorrinolaringología y Cirugía de Cabeza y Cuello, La Ceiba, Atlántida, Honduras C.A. February 10, 2006.
- “Complicaciones vasculares de cirugía otológica y base de cráneo”. Curso Internacional Urgencias y Complicaciones en Otorrinolaringología, México. February 17, 2006.
- Round Table: “Complicaciones quirúrgicas del oído crónicamente infectado”. Curso Internacional Urgencias y Complicaciones en Otorrinolaringología, México. February 17, 2006.
- “Cirugía del vértigo”. Curso Internacional Urgencias y Complicaciones en Otorrinolaringología, México. February 18, 2006.
- “Lesiones de cadena oscicular”. Curso Internacional Urgencias y Complicaciones en Otorrinolaringología, México. February 18, 2006.
- “Rotational Chair Testing in the 21st Century”. Invited Speaker. St. Louis, MO. May 5, 2006.
- “Rotational Chair in Peripheral Vestibulopathy and Migraine”. Grand Rounds, Cleveland Clinic. October 6, 2006.
- “Vertigo: Gentamicin Versus Nerve Section Versus Sac Decompression”. International Meeting of Otolaryngology and Phono Audiology Joint Meeting of American Academy of Otolaryngology and Federation of Argentine Societies of Otolaryngology in Rosario, Argentina. August 2, 2007.
- Round Table: “Cochlear Implantation Modern Strategies”. International Meeting of Otolaryngology and Phono Audiology Joint Meeting of American Academy of Otolaryngology and Federation of Argentine Societies of Otolaryngology in Rosario, Argentina. August 2-3, 2007.
- “Experience with Totally Implantable Hearing Aid – Envoy”. International Meeting of Otolaryngology and Phono Audiology Joint Meeting of American Academy of Otolaryngology and Federation of Argentine Societies of Otolaryngology in Rosario, Argentina. August 3, 2007.
- Round Table: “Vertigo: Gentamicin Versus Nerve Section Versus Sac Decompression”. International Meeting of Otolaryngology and Phono Audiology Joint Meeting of American Academy of Otolaryngology and Federation of Argentine Societies of Otolaryngology in Rosario, Argentina. August 3, 2007.
- Invited International Speaker, Sociedad de Otorrinolaringología del Centro Medico del Occidente XVII Congress, Puerto Vallarta, September 2006, 2007, 2008, 2009.
- Invited International Speaker, Sociedad de Otorrinolaringología y Audiología del Centro México Nacional (3^a. Reunión), Puebla, México, January 22 - 23, 2010.
- “Nuevas Estrategias en Neurinoma del Acústico.” Invited International Speaker, Sociedad de Otorrinolaringología del Centro Médico Nacional de Occidente. Puerto Vallarta, Jalisco, México, September 18, 2010.

“Audífonos Implantables.” Invited International Speaker, Sociedad de Otorrinolaringología del Centro Médico Nacional de Occidente. Puerto Vallarta, Jalisco, México, September 18, 2010.

“Cirugía de Vértigo.” Invited International Speaker, Sociedad de Otorrinolaringología del Centro Médico Nacional de Occidente. Puerto Vallarta, Jalisco, Mexico, September 18, 2010.

Chandler Society Resident Research Day. Invited Professor and Distinguished Judge. University of Miami, Department of Otolaryngology. Miami, FL, June 10, 2011.

Program Organizing Committee -9th International Conference on Cholesteatoma and Ear Surgery
June 3-7, 2012; Nagasaki, Japan

Staging Systems for Temporal Bone Carcinoma, 9th International Conference on Cholesteatoma and Ear Surgery, June 3-7, 2012; Nagasaki, Japan

Visiting professor: Cherry Blossom ENT Update, Washington DC, George Washington University, April 4-6 2014; Lectures: “Cartilage Tympanoplasty”, “Vertigo Management”, “Facial Nerve Paralysis”.

Visiting Professor: North American Skull Base Annual Chief Resident Course, New Orleans, Louisiana, July 12, 2014; “Trans-labyrinthine Surgery”.

Visiting Professor: Peru National Congress of Otolaryngology, Head and Neck Surgery, August 17- August 20, 2014; Lectures: “Telemedicina en Otolaringología”, “Cirugía del Nervio Facial”, “Cirugía de Vértigo”, “Estado Actual de Neurinomas del Acústico 2014”.

Visiting professor, UPMC, Department of Otolaryngology Grand Rounds: "Acoustic Neuroma 2015 - What's New," August 2015, Pittsburgh, Pa.

Guest of honor, visiting lecturer: “Acoustic Neuroma Surgery – What’s new 2017” and “Cartilage Tympanoplasty,” February 9-10, 2017, 27th Annual Wilford Hall – Brooke Army Medical Center Temporal Bone Dissection Course, San Antonio, TX.

Invited speaker: “Changing Priorities in Neurotology” – San Antonio Society of Otolaryngology, Feb. 9, 2017.

Invited guest, grand rounds: “Meniere’s Disease: Diagnosis and Treatment” and “Changing Priorities in Neurotology” – Michigan Ear Institute, Otology Update for the Practicing Otolaryngologist, June 24-25, 2017, Traverse City, MI.

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