

Curriculum Vitae

Chaim B. Colen, M.D., Ph.D.

Personal Data:

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Education:

- 1987-95 - **Yeshiva Keser Chaim** (Jewish Seminary), Brooklyn, N.Y.,
Rabbinical Theology, GPA 4.00/4.00
- 1995-98 - **Inter American University of Puerto Rico**, San German Campus, B.S.
Biomedical Sciences, GPA 3.96/4.00, Summa Cum Laude
- 1998-02 - **University of Puerto Rico School of Medicine**, San Juan, P.R.,
Doctorate in Medicine, GPA 3.95/4.00, Suma Cum Laude
- 1999-00 - **Harvard Medical School**, Mass. General Hospital, Boston, Massachusetts
Neurology Rotation, GPA 4.00/4.00

Post Graduate Training:

- 2002-03 – **Wayne State University/ Detroit Medical Center**, Detroit, MI
General Surgery Internship PGY-1
- 2003-05 – **Wayne State University/ Detroit Medical Center**, Detroit, MI
Doctorate in Tumor Physiology
- 2003-09 – **Wayne State University/ Detroit Medical Center**, Detroit, MI
Neurological Surgery Residency

Honors and Awards:

- 1996-98 - **Chancellor's Honors List**, Inter American University of Puerto Rico
<http://www.chancellorlist.com/2makethegrade/mtgrade.aspx>
- 1996-98 - **Honor Program**, Inter American University of PR, San German, PR
- 1996-98 - **Scholarship for Talented Students**, Honor Program, Inter American
University of Puerto Rico
- 1997-98 - **Tri Beta Biology Honor Society**, Inter American University of Puerto Rico
- 1997-98 - **Who's Who Among American Students**, Inter American University of Puerto Rico
<http://www.eci-whoswho.com>,
- 1997-98 - **National Dean's List**, Inter American University of Puerto Rico
<http://www.thenationaldeanslist.com>,

- 1998-99 - **Honor Student for Neuroscience** (for entering freshmen). University of Puerto Rico School of Medicine
- 2001- -- - **Alpha Omega Alpha Medical Honor Society**, Selected as 3rd -year medical student, University of Puerto Rico School of Medicine
- 2000-01 - **Honor Student Tutor**, University of Puerto Rico School of Medicine
- 2004- 05- **Research Award -Basic Science**, MANS Meeting, (Michigan Association of Neurological Surgeons), Traverse City, MI
- 2005- 06- **Robert V. Dantos Cancer Memorial Award**, MCACS Meeting, (Michigan Chapter of the American College of Surgeons), Grand Rapids, MI
- 2005- 06- **Research Award -Basic Science**, MANS Meeting, (Michigan Association of Neurological Surgeons), Crystal Lake, MI
- 2005- 06- **Research Award –Neurological Surgery Department, Tumor Physiology**, Department of Neurosurgery, Wayne State University, MI
- 2006- 07- **Research Award -Basic Science**, MANS Meeting, (Michigan Association of Neurological Surgeons), Crystal Lake, MI
- 2006- 07- **Robert V. Dantos Cancer Memorial Award**, MCACS Meeting, (Michigan Chapter of the American College of Surgeons), Traverse City, MI
- 2006- 07- **Select Abstract, Congress of Neurological Surgeons**, Tumor Section, CNS Meeting, Chicago, Illinois
- 2007- -- - **Gold Humanism Honor Society**, Inducted as a PGY-5 neurosurgery resident Wayne State University School of Medicine, Detroit, MI
- 2006- -- - **Award, Best Oral Presentation**, Neuroscience Day, McGregor Hall, Wayne State University, Detroit, MI
- 2007- 08- **Research Award -Clinical Science**, MANS Meeting, (Michigan Association of Neurological Surgeons), Mackinac Island, MI
- 2007- --- **Teaching Award, Gold Humanism Honor Society**, Wayne State University School of Medicine, Detroit, MI
- 2008- 09- **Vesalius Award**, AANS Meeting, (American Association of Neurological Surgeons), Chicago, Ill
- 2009- 10- **History Award**, 3rd Place, AANS Meeting, (American Association of Neurological Surgeons), San Diego, CA
- 2009- 10- **Research Award -Clinical Science**, 3rd Place, MANS Meeting, (Michigan Association of Neurological Surgeons), Boyne Mountain, MI

Laboratory/Clinical Research Experience:

- 1995-96 - **Research, Ecotoxicology**, Inter American University of Puerto Rico, San German Campus
 I wrote a research paper on the detrimental effects of pesticides, herbicides, fertilizers, their incorporation into organisms of different trophic levels, with emphasis on their negative impact in human health.

- 1996-97 - **Research**, Evolutionary Differentiation, Inter American University of Puerto Rico, San German Campus.
Using quantitative and qualitative procedures, I measured the physical characteristic variations and color of the lizard, Anolis Cristateleus, found in the mountainous tropical forest versus the coastal lowlands of Puerto Rico. Found phenotypic differences to be statistically significant depending on the location.
- 1997-98 - **Research**, Physiology population densities:, Inter American University of Puerto Rico, San Germán Campus.
I conducted field research on three shrimp species endemic to Puerto Rico rivers. I compared two different island headwater population densities versus water contaminants found in each.
- 1998-99 – **Research**, Diabetic Neuropathy: Nitric oxide effects on the peripheral nervous system. University of Puerto Rico, Medical Science Campus.
An extensive literature research among a group of 8 investigators, analyzing the role played by nitric oxide on the peripheral nervous system (PNS) and how the metabolism of this compound is affected by the high blood glucose levels seen in diabetes.
- 2000-01 - **Research**, Arnold Chiari Type I Malformations Case Reports on 27 Patients, In collaboration with Dr. Jose Dones, Dr. Orlando De Jesus, Dept. of Neurosurgery, University of Puerto Rico
- 2000-01 - **Research**, Trials to Influence the Healing of Incised Cerebral Wounds by Administration Of Antireticular Cytotoxic Serum, in collaboration with the Department of Neurosurgery. University of Puerto Rico.

Analysis of effects of ACS on cerebral wound healing.
- 2003-05 - **Research**, Gene Therapy and Radiation of Malignant Glioma by Targeting Glioma Specific Lactate Transporter in collaboration with Saroj Mathupala, Ph.D, Andrew Sloan, M.D., Dept. of Neurosurgery, Wayne State University
Established the in-vitro and in-vivo therapeutic efficacy of anti-monocarboxylate Transport (anti-MCT) therapy to treat gliomas. Concluded that anti-MCT therapy when combined with low-dose irradiation is a valuable adjunctive therapy in treating gliomas.

Dissertations:

- 1997-98 - **Cloning - Techniques and Ethics**, Senior Honors Thesis, Inter American University Library. San Germán, Puerto Rico
I wrote a paper and gave a conference on the different techniques used in animal cloning and their possible application to human cloning. I also presented the ethical dilemmas that are involved in cloning, specifically human cloning. **(unpublished)**
- 2003-05 - **Gene Therapy and Radiation of Malignant Glioma by Targeting Glioma Specific Lactate Transporter**, Doctoral Thesis, Tumor Physiology, Dept. of Neurosurgery, Wayne State University **(published)**
<http://digitalcommons.wayne.edu/dissertations/AA13198666/>

Grants/Funding:

- 2003-05 - **\$50,000.00**
RESEARCH GRANT
Fund for Medical Research and Education (FMRE) Wayne State University
Gene Therapy and Radiation of Malignant Glioma by Targeting Glioma

Specific Lactate Transporter

2006-10 - **\$1,860,000.00**

CO-INVESTIGATOR

NIH GRANT, R01

PRINCIPAL INVESTIGATOR: Saroj Mathupala, Ph.D.

Membership in Professional Societies:

- 1996- -- - **Member**, CECIA (Center of Environmental Education, Conservation, Interpretation)
- 1998- -- - **Member**, National Wildlife Federation (NWF)
- 1999- -- - **Member**, American Academy of Neurology
- 2000- -- - **Member**, AMA (American Medical Association)
- 2001- -- - **Member**, **Alpha Omega Alpha Medical Honor Society**
- 2001- -- - **Member**, American Academy of Family Physicians
- 2002- -- - **Member**, Michigan State Medical Society
- 2002- -- - **Member**, University of Puerto Rico, Alumni Medical Society
- 2002- -- - **Member Honorarium**, Wayne State University, Alumni Medical Society
- 2002- -- - **Member**, AMPAC
- 2003- -- - **Member**, World Wildlife Federation (WWF)
- 2003- -- - **Member**, NAD (National Association of Doctors)
- 2003- -- - **Member**, Congregation B'nai Moshe Synagogue
- 2003- -- - **Member**, American Association of Neurological Surgeons
- 2003- -- - **Member**, American Association of Neurological Surgeons, Tumor Society
- 2003- -- - **Member**, Congress of Neurological Surgeons
- 2006- -- - **Member**, **Gold Humanism Honor Society**

Additional Training in Basic and Clinical Neurosciences

- 2003- -- - **RUNN Course** (Research Update for Neurosurgeons and Neuroscience), Woods Hole, Mass.
- 2003- -- - **Rodent Surgery Training**, The Animal Investigation Committee, Wayne State University
- 2003- -- - **Radiation Training**, Health Physics Office, Wayne State University
- 2007- -- - **Skull Base Microsurgery Workshop/Medtronic**, Dallas, Texas
- 2007- -- - **Skull Base Endoscopic Microsurgery Workshop**, Allegheny, PA
- 2008- -- - **Depuy Spine Cadaver Workshop**, Las Vegas, Nevada
- 2008- -- - **Senior Residents Skull Base Course**, Memphis, TN
- 2008- -- - **3-D Neuroanatomy Senior Residents Skull Base Course**, St. Louis, MO

Teaching:

- 1988-90 - **Hebrew Tutor**, Yeshiva Keser Chaim, NY
- 1998-00 - **Lecturer -Neuroscience** (hippocampus and limbic system). University of Puerto Rico, School of Medicine

- 2000-01 - **Pathology, Pathophysiology, Microbiology Tutor**, Center of Excellence, University of Puerto Rico School of Medicine
- 2000-01 - **Biochemistry Tutor**, Center of Excellence University of Puerto Rico School of Medicine
- 2000-01 - **Pathology Tutor, Microbiology Tutor**, Summer 2000 USMLE Step I
- 2000-01 - **Tutor, Basic Sciences**, Ponce School of Medicine, Ponce, Puerto Rico.
- 2004-05 - **Anatomy Examination Proctor**, Wayne State School of Medicine, Detroit, MI
- 2004-05 - **Neurotrauma Examination Proctor**, Wayne State School of Medicine, Detroit, MI
- 2005-06 - **Medical Specialty Information Series**, Wayne State School of Medicine, Detroit, MI
http://www.med.wayne.edu/news_media/streamingmedia/somevents/student_affairs.asp
- 2006-09 - **Lecturer -Neuroscience Course**, Physician Assistant Graduate Program (Cranial nerves and correlative imaging, brain anatomy and correlative imaging, spinal tracts, spinal cord injury and correlative imaging. Wayne State School of Medicine, Detroit, MI
- 2006-09 - **Reviewer –Spine Journal**, review scholarly neurosurgical articles submitted.
- 2007-09 - **Reviewer –Map of Medicine**, review scholarly neurosurgical articles submitted.

Service Activities:

- 1997-98 - **Volunteer**, Caguas Regional Hospital, emergency room, infectious diseases and trauma unit.
- 1997-98 - **Spokesman Student Government**, Inter American Univ. of Puerto Rico
- 1998-01 - **Volunteer**, Noche Sin Techo, Outreach Prevention Activity for the Homeless, Old San Juan.
- 1998-99 - **Student Vice-President of Academic Affairs**, University of Puerto Rico School of Medicine
- 1999-00 - **Pathology Course Representative**, University of Puerto Rico School of Medicine
- 2001-01 - **Talent Show Art Expo, Participant**, Med Class 2001 Event, San Juan, Puerto Rico
- 2000-01 - **Usher**, 50th Anniversary of the Univ. of Puerto Rico School of Medicine, Fund raising ceremony, Held at the Tropical School of Medicine, San Juan, P.R.
- 2000-02 - **Director of Medical Track Rotations**, Univ. of Puerto Rico School of Medicine
- 2001-02 - **Member**, Institutional Self-Study Steering Committee, University of Puerto Rico School of Medicine (Governance and Administration), Forum at Embassy Suites, San Juan Puerto Rico
- 2001-02 - **Member**, Committee of Curricular Revision, University of Puerto Rico School of Medicine

- 2000-02 - **Member**, Committee of Educational Programs for the Liaison Committee for Medical Education (LCME) 2002 Accreditation, University of Puerto Rico School of Medicine
- 2001-02 - **President, Alpha Omega Alpha Medical Honor Society, Alpha Chapter**, University of Puerto Rico School of Medicine, San Juan, PR
- 2003-04 - **Volunteer**, Michigan Pre-Olympic Games, provided First Aid, Ford Field, Detroit MI
- 2004-- - - **Sergeant-in-Arms**, Congress of Neurological Surgeons
- 2004-09 - **Marshall**, American Association of Neurological Surgeons
- 2004-07 - **Organizer, Sponsorship for Monthly Journal Club**, Department of Neurosurgery, Wayne State University, Detroit, MI
- 2005-06 - **Organizer, CPC Conference (ClinicoPathologic Correlations)**, Department of Neurosurgery, Wayne State University, Detroit, MI
- 2006-07 - **Treasurer, Resident Executive Council Detroit Medical Center/WSU**, Detroit Medical Center/Wayne State University, Detroit, MI
- 2006-07 - **Resident Delegate, Council Society of Neurosurgical Surgery**, American Association of Neurological Surgeons, Congress of Neurological Surgeons
- 2006-09 - **Resident Delegate, Website Design Committee**, NeuroWiki, American Association of Neurological Surgeons, Congress of Neurological Surgeons
- 2006-09 - **Resident Delegate, Education and Publications Committee**, American Association of Neurological Surgeons, Congress of Neurological Surgeons
- 2007-08 - **Resident Representative, Executive Board Committee, Gold Humanism Honor Society**, Wayne State University, Detroit, Michigan
- 2007-09 - **Resident Delegate, SANS-wired Committee**, American Association of Neurological Surgeons, Congress of Neurological Surgeons
- 2007-08 - **Resident Representative, Task Force, Revision of Gold Humanism Honor Society Constitution Committee, Gold Humanism Honor Society**, Wayne State University, Detroit, Michigan
- 2007-09 - **Selections Committee, Gold Humanism Honor Society**, Wayne State University, Detroit, Michigan
- 2007-09 - **Resident Delegate, Education and ABNS Committee**, American Association of Neurological Surgeons, Congress of Neurological Surgeons
- 2007-09 - **Resident Fellow, Council of State Neurosurgical Societies (CSNS)**, American Association of Neurological Surgeons, Congress of Neurological Surgeons
- 2008-09 - **Resident Delegate, Washington Committee**, American Association of Neurological Surgeons, Congress of Neurological Surgeons
- 2008-09 - **CSNS Resident Delegate, Brain Death Guidelines Taskforce**, American Association of Neurological Surgeons, Congress of Neurological Surgeons
- 2009-10 - **Member, Planning Committee AANS 2010, American Association of**

Publications:

- 1996-98 – **Colen CB**
Maricao: The Ancients, Diez, Trigo. Pueblos de Puerto Rico. San Juan, P.R.: La Biblioteca Inc., 1988 Sánchez, Rosado. Maricao: notas para su historia. San Juan, 1986, <http://www.sg.inter.edu/green/maricao.htm> Puerto Rico History Collection
- 2003-04 - [Dones J](#), [De Jesus O](#), **Colen CB**, [Toledo MM](#), [Delgado M](#).
Clinical outcomes in patients with Chiari I malformation: a review of 27 cases. Surg Neurol. 2003 Aug;60(2):142-7; discussion 147-8. PMID: 12900124
- 2006- -- - **Colen CB**, [Rengachary S](#).
Spontaneous Resolution of a Cervical Synovial Cyst, Spontaneous resolution of a cervical synovial cyst. Case illustration. J Neurosurg Spine. 2006 Feb;4(2):186. PMID: 16506489
- 2006- -- - **Colen CB**, [Sloan AE](#), [Mathupala S](#).
Metabolic Remodeling in Malignant Glioma for Enhanced Sensitization During Radiotherapy: In Vitro Study, Neurosurgery, 2006 Dec;59(6):1313-23; discussion 1323-4 PMID: 17277695
- 2006- -- - **Colen CB**, [Rayes M](#), [Kupsky WJ](#), [Guthikonda M](#),
Synchronous Meningioma and Primary T-Cell Lymphoma: A Case Report and Literature Review, ID NEU-09-0025, Journal of Neuropathology (in press), 2009
- 2006- -- - **Colen CB**, [Krishnan A](#), [Steele JJ](#), [Colen RR](#), [Diaz F](#).
Spinal Angiolipoma: a Novel Classification, Submitted to Neurosurgery.
- 2006- -- - **Colen CB**, [Rayes M](#), [Krishnan A](#), [Eltahawy H](#), [Guthikonda M](#), [Rengachary S](#),
The Detroit Experience with Spinal Epidural Abscess: Concepts in Evolution, manuscript in progress.
- 2006- -- - **Colen CB**, [Rayes M](#), [McClendon J](#), [Rabah R](#), [Ham S](#).
Pediatric Spinal Clear Cell Meningioma: Case Report and Literature Review J Neurosurg Pediatr. 2009 Jan;3(1):57-60
- 2006- -- - **Colen CB**, [Sloan AE](#), [Mathupala S](#),
Combined Radiotherapy and Chemotherapy in Malignant Glioma: In Vivo Targeting of the Monocarboxylate Transporters, manuscript in progress.
- 2006- -- - **Colen CB**, [Farias F](#), [Rengachary S](#),
The Evolution of Mexican Neurosurgery, manuscript in progress.
- 2007- -- - **Colen CB**, [Rayes M](#), [Guthikonda M](#), [Rengachary S](#)
Outcome of Cerebral Abscess by C. Perfringens, Neurosurgery. 2007 Dec;61(6):E1339; discussion E1339.PMID: 18162868
- 2007- -- - [Rengachary S](#), **Colen CB**,
Neurosurgery Residency Training in North America May be in Need of a Reform, manuscript in progress.
- 2007- -- - [Stevens O](#), **Colen CB**, [Sood S](#), [Ham S](#).
Delayed Lateral Rectus Palsy Following Resection of a Pineal Cyst in Sitting Position: Direct Nerve Injury or Elevated Intracranial Pressure?

J Child Neurol. 2007 Dec;22(12):1411-4

- 2007- --- [Mathupala SP](#), [Colen CB](#), [Parajuli P](#), [Sloan AE](#).
Lactate And Malignant Tumors: A Therapeutic Target At The End Stage Of Glycolysis. J Bioenerg Biomembr. 2007 Feb;39(1):73-7.
- 2008- --- [Colen CB](#), [Guthikonda M](#), [Rengachary S](#)
Charles-Edouard Brown-Sequard: An Eccentric Genius,
Neurosurgery. 62(4):954-964, April 2008.
- 2008- --- [Eltahawy H](#), [Colen CB](#), [Rayes M](#), [Guthikonda M](#), [Rengachary S](#),
Spinal Infection: Safety of Instrumentation,
manuscript submitted to JNS.
- 2008- --- [Colen CB](#), [Ketko A](#), [George E](#), [Van Stavern G](#),
Periodic Alternating Nystagmus with Periodic Alternating Skew Deviation: A Case Report, J Neuroophthalmol. 2008 Dec;28(4):287-8.
- 2008- --- [Rengachary S](#), [Colen CB](#), [Dass K](#), [Guthikonda M](#),
Development Of Anatomic Science In The Late Middle Ages: The Roles Played By Mondino De Liuzzi And Guido Da Vigevano,
Neurosurgery 63(3):598-606, September 2008

Books Authored:

- 2006- --- [Colen CB](#),
Handbook of Neurosurgery and Neurology in Pediatrics
Colen Publishing, 2006
<http://www.colenpublishing.com/books/neurosurgery.html>
- 2007- --- [Colen CB](#), [Colen R](#),
[Faculty Reviewers: Guthikonda M, Kupsky WJ, Rengachary S](#),
Colen Flash-Review: Neurosurgery
Colen Publishing, 2007
<http://www.colenpublishing.com/flashcards/neurocards.html>
- 2007- --- [Colen CB](#), [Colen R](#), [Bergmann L](#),
[Faculty Reviewers: Eltahawy H, Guthikonda M, Rengachary S](#),
Colen Educards – Patient Educational Brochures
(Lumbar laminectomy, cervical laminectomy, ACDF, ALIF, PLIF, DBS, craniotomy for aneurysm clipping, endovascular-aneurysm coiling, craniotomy for brain tumor, radiosurgery, transphenoidal hypophysectomy)
Colen Publishing, 2007. (in progress)
- 2008- --- [Colen CB](#), [Colen R](#),
[Faculty Reviewers: Guthikonda M, Rengachary S, Lisak R](#)
Colen Flash-Review: Neurology
Colen Publishing, 2009
- 2008- --- [Colen CB](#), [Fakhry H](#), [Franco-Palacios C](#),
[Faculty Reviewers: Sobel J, Rossi N](#)
Colen Flash-Review: Internal Medicine
Colen Publishing, 2008
(in progress)
- 2008- --- [Colen CB](#), [Gayer C](#), [Lam J](#),
[Faculty Reviewers: Ledgerwood A](#),

Colen Flash-Review: General Surgery

Colen Publishing, 2008
(in progress)

2008- -- -[Colen CB, Martinez V, Colen R,](#)
[Faculty Reviewers: Sobel J,](#)
Colen Flash-Review: Physician Assistant
Colen Publishing, 2008
(in progress)

2008- -- -[Colen CB, Colen R,](#)
[Faculty Reviewers: Sobel J, Rossi N](#)
Colen Flash-Review: USMLE Step I
Colen Publishing, 2008
(in progress)

2009- -- -[Colen CB, Colen R,](#)
[Faculty Reviewers: Guthikonda M, Kupsky WJ, Rengachary S,](#)
Colen Flash-Review: Neurosurgery, 2nd Edition
Colen Publishing, 2009
<http://www.colenpublishing.com/flashcards/neurosurgerycards.html>

2009- -- -[Colen CB, Colen R,](#)
[Faculty Reviewers: Guthikonda M, Kupsky WJ, Rengachary S,](#)
Colen Flash-Review: NeuroPathology
Colen Publishing, 2009
<http://www.colenpublishing.com/flashcards/pathologycards.html>

2009- -- -[Colen CB, Colen R,](#)
[Faculty Reviewers: Scarrow A, Pryzbylski G,](#)
Operative Dictations: Neurosurgery
Colen Publishing, 2009
<http://www.colenpublishing.com/books/neurosurgery.html>

Presentations/Abstracts:

- 1998-99 - **Poster Presentation: Diabetic Neuropathy: Nitric oxide effects on the peripheral nervous system.** University of Puerto Rico, Medical Science Campus.
- 2000-01 - **Guestspeaker, Organizer, Curriculum Orientation for 2nd Year Medical Students. Pharmacology and Pathology courses.** University of Puerto Rico School of Medicine.
- 2000-01 - **Outcomes of Chiari Malformation Patients: a Review of Twenty-Seven Cases.** Neurological Surgery Grand Rounds, University of Puerto Rico School of Medicine.
- 2000-01 - **Sellar & Suprasellar Tumors,** Neurological Surgery Grand Rounds, University of Puerto Rico School of Medicine, San Juan, PR
- 2000-01 - **Prevalence and pattern of tobacco consumption among medical students at the UPR School of Medicine,** University of Puerto Rico School of Medicine, San Juan, PR
- 2000- -- - **Anatomy of the Cavernous Sinus,** Neurological Surgery Grand Rounds, New York University, Tisch Hospital, New York, NY

- 2000- -- - **Postgastrectomy Syndromes & Diarrhea**, Mt. Sinai Hospital, New York
- 2000-01 - **Alpha Omega Alpha Medical Honor Society Candidates 2002**, Induction Ceremony, Presented new Inductees, University of Puerto Rico School of Medicine, San Juan, PR
- 2002-03 - **Trauma of the facial nerve**, Neurological Surgery Grand Rounds, Detroit Receiving Hospital, Wayne State University, Detroit, MI
- 2003- -- - **In Vivo Evaluation of siRNA Mediated Gene Knockout in Rat Malignant Glioma by Bicistronic PET Imaging**, Guest speaker, PET Imaging Update, Children's Hospital of Michigan, Wayne State University
- 2003- -- - **The Birth of a Tumor**, Neurological Surgery Grand Rounds, Harper Hospital Wayne State University, Detroit, MI
- 2003- -- - **Gene Therapy and Radiation of Malignant Glioma by Targeting Glioma Specific Lactate Transporter**, Neurological Surgery Grand Rounds, Harper Hospital Wayne State University, Detroit, MI
- 2004- -- - **Inhibition of the Lactate/Pyruvate Transport in Malignant Glioma Reveals Increased Presence of Radioresistant Agents: Taurine and Glutathione**, MANS Meeting, Michigan Association of Neurological Surgeons, Traverse City, MI
- 2004- -- - **Synovial Cysts: A Review**, Neurological Surgery Grand Rounds, Harper Hospital Wayne State University, Detroit, MI
- 2004- -- - **Magnetic Resonance Spectroscopy Analysis of Inhibition of Lactate-Pyruvate Transport in Malignant Glioma: DEMONSTRATES A TARGET FOR ANTICANCER THERAPY?**, Graduate Research Day, Scott Hall, WSU, Detroit, MI
- 2004- -- - **Facial Pain Syndromes: A Review Update**, Neurological Surgery Grand Rounds, Harper Hospital, Wayne State University, Detroit, MI
- 2005- -- - **High Resolution Magnetic Resonance Spectroscopy Analysis of the Inhibition of Lactate/Pyruvate Transport in Malignant Glioma**, AANS Meeting 2005, American Association of Neurological Surgeons, New Orleans, Louisiana
- 2005- -- - **Inhibition of Lactate-Pyruvate Transport in Malignant Glioma: A Novel Chemo-Radiosensitizing Approach**, MCACS Meeting, (Michigan Chapter of the American College of Surgeons), Grand Rapids, MI
- 2005- -- - **Yeoman's: A Review of Pediatric Birth Trauma, Spinal Disorders and Brain Tumors**, Neurological Surgery Grand Rounds, Harper Hospital, Wayne State University, Detroit, MI
- 2005- -- - **A Novel Chemo-Radiosensitizing Approach in Glioma Therapy: Inhibition of Lactate-Pyruvate Transport in Malignant Glioma**, MANS Meeting, (Michigan Association of Neurological Surgeons), Crystal Lake, MI
- 2005- -- - **Percutaneous Discectomy: Coblation Disc Nucleoplasty**, Neurological Surgery Grand Rounds, Harper Hospital, Wayne State University, Detroit, MI
- 2005- -- - **The Detroit Receiving Hospital Experience**, Neurological Surgery Grand Rounds, Harper Hospital, Wayne State University, Detroit, MI
- 2005- -- - **Medical Specialty Information Series**, Wayne State School of Medicine, Detroit, MI

- 2006- -- - **MRI Neuroanatomy**, Neurological Surgery Grand Rounds, Harper Hospital, Wayne State University, Detroit, MI
- 2006- -- - **Chemoradiosensitization in Malignant Glioma Therapy**, AANS Meeting 2006, American Association of Neurological Surgeons, San Francisco, California
- 2006- -- - **The Poro-Elastic Theory-Convection-Enhanced Delivery**, Neurological Surgery Grand Rounds, Harper Hospital, Wayne State University, Detroit, MI
- 2006- -- - **Am I Competent? The Six Competencies of Medicine**, Neurological Surgery Grand Rounds, Harper Hospital, Wayne State University, Detroit, MI
- 2006- -- - **A Novel Chemo-Radiosensitizing Approach in Glioma Therapy: AN IN-VIVO STUDY**, MCACS Meeting, (Michigan Chapter of the American College of Surgeons), Traverse City, MI
- 2006- -- - **An In-vivo study of Chemoradiosensitization in Malignant Glioma Therapy**, MANS Meeting 2006, Michigan Association of Neurological Surgeons, Crystal Lake, MI
- 2006- 07- **Spinal Angiolipoma: A Novel Classification**, Poster Presentation, CNS (Congress of Neurological Surgeons) Meeting, Chicago, Illinois
- 2006- 07- **An In-Vivo Study Of Radiosensitization By Inhibiting The Monocarboxylate Transport In Malignant Glioma -Select Abstract** Poster Presentation
CNS (Congress of Neurological Surgeons) Meeting, Chicago, Illinois
- 2006- 07- **Shunt Study -Select Abstract** Poster Presentation, CNS/AANS Pediatric Section Neurological Surgery Meeting, Denver, Colorado
- 2006- -- - **Radiosensitization of Malignant Glioma By Inhibiting The Monocarboxylate Transport: An In-Vivo Study**, Neuroscience Day, McGregor Hall, Wayne State University, Detroit, MI
- 2006- 07- **Novel Classification of Spinal Angiolipoma**, MANS Meeting, (Michigan Association of Neurological Surgeons), Mackinac Island, MI
- 2006- 07- **Education in Neurosurgery: Comprehensive Neurosurgery Board Review Flashcards**, MANS Meeting, (Michigan Association of Neurological Surgeons), Mackinac Island, MI
- 2006- 07- **Education in Neurosurgery: Comprehensive Neurosurgery Board Review Flashcards**, Poster Presentation, CNS (Congress of Neurological Surgeons) Meeting, San Diego, CA
- 2006- 07- **Stand-alone PEEK Cage without Anterior Plating in Fusion after Cervical Discectomy**, Poster Presentation, CNS (Congress of Neurological Surgeons) Meeting, San Diego, CA
- 2006- 07- **Dynamic Stabilization: Indications and Outcome. Case Series**, Poster Presentation, CNS (Congress of Neurological Surgeons) Meeting, San Diego, CA
- 2007- 08 - **Pediatric Spinal Clear Cell Meningioma: Case Report and Literature Review**
Poster Presentation, Pediatric CNS (Congress of Neurological Surgeons) Meeting, Miami, Florida
- 2008- 09 – **The Hexamethonium Man: Autonomic Nervous System**, Neurological Surgery

Grand Rounds, Harper Hospital, Wayne State University, Detroit, MI

- 2008- 09 – **Charles-Edouard Brown-Sequard: An Eccentric Genius**, Neurological Surgery Grand Rounds, Harper Hospital, Wayne State University, Detroit, MI
- 2008- 09 – **Charles-Edouard Brown-Sequard: An Eccentric Genius**, AANS Meeting 2008, American Association of Neurological Surgeons, Chicago, Illinois
- 2008- 09 – **Cranial Nerve Zero: Anatomy of the Cranial Nerves and Syndromes**, Neurological Surgery Grand Rounds, Harper Hospital, Wayne State Univ., Detroit, MI
- 2009- 10 – **Cerebrovascular Anatomy 101**, Neurological Surgery Grand Rounds, Harper Hospital, Wayne State Univ., Detroit, MI
- 2009- 10 – **Board Review Q/A Session: Neurology, Neurosurgery and Neurocritical care** Chicago Board Review Course, Chicago, Illinois
- 2009- 10 – **Landmarks in the History of Neurosurgery**, Neurological Surgery Grand Rounds, Harper Hospital, Wayne State Univ., Detroit, MI
- 2009- 10 – **Surgical treatments of Parkinson's Disease**, Parkinson Patient Awareness group Huron Valley Hospital, Commerce Township, MI
- 2009- 10 – **The Legacy of Elihu Yale**, AANS Meeting 2009, American Association of Neurological Surgeons, San Diego, CA
- 2009- 10 – **Neurosurgery Operative Dictation Templates**, MANS Meeting, (Michigan Association of Neurological Surgeons), Boyne Mountain, MI

Board Examinations/Licensure

- 2000--- - **United States Medical License Examination STEP I –PASSED**
- 2001--- - **United States Medical License Examination STEP II -PASSED**
- 2003--- - **United States Medical License Examination STEP III -PASSED**
- 2006--- - **American Board of Neurological Surgery-written boards -PASSED**

Other Experience

- 1992-97 - **Owner, *Colen Cabinets***, professional cabinet designer and cabinetmaker.
- 2000-01 - **Vice-President, *Empleomundo.com***, job seeking website for Latin American countries.
- 2003- -- - **Consultant, *MEDACorp***, providing advice to companies on biologic materials and future therapeutic modalities.
- 2000-01 - **President, *Colen Publishing*** www.colenpublishing.com, medical publishing company.
- 2003- -- - **Consultant, *Confluent Surgical***, providing insight on biologic materials and future therapeutic modalities. Presenting clinical results of Duraseal.

2000-01 - **President, Colen Innovations** www.coleninnovations.com, focused on medical innovative technologies.

Languages

English, Spanish, Hebrew, some Yiddish, Aramaic and German

Extra-curricular activities

1997-98 - **Pageant participant**, King and Queen of Health

2000-01 - **Aron Kodesh Project**, 2 weeks, I crafted the local synagogue's holy ark out of solid oak:

Value: over \$18,000.00

2000-01 - **Essay** "Medicine & Its Evolutionary Rationale" submitted to Alpha Omega Alpha Journal Pharos

2000-01 - **Shofar Factory Project**. Local Jewish community event. I manufactured over 65 shofarim for children.

Funded by Chabad Lubavitch.

2000-01 - **Art Expo**, I displayed Shofarim (ram's horns), Menorah(candelabrum), and chessboard all handcrafted during my spare time. University of Puerto Rico School of Medicine.

2004-05 - **Gamma Knife-Rat Head Holder Project**, 2 weeks, I crafted an MRI compatible Frame, attuned to the APS system on the Leksell Gamma Knife.

Value: over \$16,000.00

References:

Furnished upon request.