

CURRICULUM VITAE

A. Name **Jody Leonardo, MD, FAANS, FACS**

B. Address

Home

812 Grandview Avenue 2B, Pittsburgh, PA 15211

Professional

Allegheny General Hospital, Department of Neurosurgery

320 East North Avenue, Suite 302, Pittsburgh, PA 15212

Phone: 412-359-6200 Fax: 412-359-6615

Email: jody.leonardo@ahn.org

C. Education

Medical Doctor

Medical College of Pennsylvania and Hahnemann University

1998-2002

Bachelor of Liberal Arts, *Summa Cum Laude*

Duquesne University

1994 -1998

D. Post-Graduate Training

Fellowship, Intracranial and Skull Base Neuroendoscopy

St. Radboud University Medical Center

Nijmegen, The Netherlands

2008

Chief Resident of Neurosurgery

University at Buffalo

Buffalo, NY

2007- 2008

Resident of Neurosurgery

University at Buffalo

Buffalo, NY

2003 - 2008

Intern of General Surgery

Allegheny General Hospital

Pittsburgh, PA

2002 - 2003

E. Employment History

Allegheny Health Network (AHN)

Sewickley Hospital – Sewickley, PA
Attending Staff
March 2022 - Present

Wexford Hospital – Wexford, PA
Attending Staff
October 2021 – Present

Allegheny General Hospital - Pittsburgh, PA
Attending Staff
June 2016 - Present

Canonsburg Hospital – Canonsburg, PA
Attending Staff
July 2016 - Present

Forbes Hospital - Monroeville, PA
Attending Staff
July 2016 - Present

West Penn Hospital - Pittsburgh, PA
Attending Staff
July 2016 - Present

Kaleida Health

Buffalo General Hospital - Buffalo, NY
Attending Staff
February 2009 – April 2016

Millard Suburban Hospital - Buffalo, NY
Attending Staff
February 2009 – April 2016

Women & Children’s Hospital of Buffalo - Buffalo, NY
Attending Staff
February 2009 – April 2016

Faculty Appointments

Associate Professor of Neurosurgery
Drexel University College of Medicine
2020 - Present

Program Director of Neurosurgery Residency
Allegheny Health Network (AHN) Neuroscience Institute
Department of Neurosurgery
Accreditation Council of Graduate Medical Education

Chicago, Illinois
2018 – Present

Associate Program Director of Neurosurgery Residency
Allegheny Health Network (AHN) Neuroscience Institute
Department of Neurosurgery
Accreditation Council of Graduate Medical Education
Chicago, Illinois
2017 – 2018

Program Director of Neurosurgery Residency
University at Buffalo Neurosurgery
Accreditation Council of Graduate Medical Education
Chicago, Illinois
2014 – 2016

Associate Program Director of Neurosurgery Residency
University at Buffalo Neurosurgery
Accreditation Council of Graduate Medical Education
Chicago, Illinois
2013 – 2014

Assistant Professor of Neurosurgery – Tenure Tract
University at Buffalo
State University of New York
2013 - 2016

Clinical Assistant Professor of Neurosurgery
University at Buffalo
State University of New York
2009- 2013

Clinical Professional Appointments

Department of Neuroendoscopy
AHN Neuroscience Institute
June 2016 - Present

Department of Neurosurgery
AHN Neuroscience Institute
June 2016 - Present

Director of AHN Pituitary Center
AHN Neuroscience Institute
June 2016 – Present

Director of AHN Adult Hydrocephalus Center
AHN Neuroscience Institute

June 2016 - Present

Assistant Director of Endoscopic Neurosurgery
AHN Neuroscience Institute
June 2016 - Present

Medical Director of Neurological Progressive Care Unit
Kaleida Health
July 2014 – May 2016

Medical Director of Neurosurgical Intensive Care Unit
Kaleida Health
July 2013 – May 2016

Medical Director of Brain and Skull Base Endoscopic Neurosurgery
University at Buffalo Neurosurgery
Kaleida Health
July 2012- April 2016

Consultant Advisorship

Aesculap, Inc.
Consultant
July 2020 – Present

F. Certification & Licensure

Medical License – State of Pennsylvania
MD456336, 2015 – Present

Medical License – State of New York
251350, 2008 – Present

Board Certified in Neurological Surgery
2012-2022

American Board of Neurological Surgery
Written Exam – March 2007

American Board of Neurological Surgery
Oral Exam – November 2012

G. Honors & Awards

Undergraduate
Duquesne University Dean's Honors List
1994-1998

Duquesne University Honors Society
1994-1998

Medical School

Medical Scholars' Society
1998-2002

Medical School "Honors" Clerkships
2000-2002

Neurosurgery

Allegheny General Hospital

Temple University Hospital

University of Pittsburgh Medical Center

Vascular Surgery

General Surgery

Pediatrics

Family Medicine

Psychiatry

Residency

Golden Stethoscope Award

Granted for excellence in teaching medical students

2003

Allegheny General Hospital Bronze Torch Award

Awarded for service excellence, professionalism, commitment to patient care

2003

"WOW" Award

Granted by hospital administration for providing excellent patient care

2004

Resident of the Year Award

2007

Fellow

Congress of Neurosurgery Cushing Fellowship Scholarship Award

2008

Attending

Gold Humanism Society

2016

Oksana Korzeniowski Patient Care Award

Presented to a faculty member who has demonstrated outstanding skills and commitment in the clinical care of patients and through their teaching has substantially improved the skills and knowledge of residents, students and medical colleagues.

2022

H. Memberships & Offices in Professional Societies

Allegheny County Medical Society
Editorial Board
January 2023 – Present

Pennsylvania Neurosurgical Society
Treasurer
July 2022 - Present

Pennsylvania Neurosurgical Society
Executive Council; Counselor, Western Geographic
July 2018 – Present

Pennsylvania Neurosurgical Society
Program Chair
July 2019 – 2021

Pennsylvania Neurosurgical Society
Assistant Program Chair
July 2017 – July 2019

Pennsylvania Neurosurgical Society
2017 – Present

Pennsylvania Medical Society
2016 – Present

Fellow of the American College of Surgeons
2016 – Present

American Association of Neurological Surgeons Resident Mentor
Program Member
2014 – 2015

Fellow of the American Association of Neurological Surgeons
2013 – Present

Foundation for International Education in Neurological Surgery
2013 – Present

Fellow of the American Board of Neurological Surgery
2012 - Present

Hydrocephalus Association
2012 – Present

The Pituitary Society
2012 – Present

American Medical Association
2011 – Present

Erie County Medical Society
2009 – 2016

Medical Society of New York State
2009 – 2016

Congress of Neurosurgical Surgeons
2004 – Present

American Association of Neurological Surgeons
2003 – Present

Alumni & Alumni Association of Medical College of Pennsylvania
1998 – Present

I. Professional Committees and Administrative Services

1. Institutional

Departmental

Data Safety Monitoring Board; Chuck Knoll Foundation Grant
Member
2022 – Present

AHN Clinical Events Committee
Member
2021-Present

AHN Allegheny General Hospital Medical Executive Committee
Elected Member
2021 - Present

AHN Neuroscience Leadership Committee
Member
2020 - Present

AHN Neuroscience Institute Cabinet
Member
2019 - Present

Allegheny General Hospital Peri-Operative Committee
Member
2019 - 2020

AHN Academic Officer - Neurosurgery
2018 – Present

AHN Continuing Medical Education Committee
Member
2018 - Present

AHN Neurosurgery Resident Research Committee
Director
2018 – Present

AHN Neuroscience Institute Post-Acute Spine Pathway Committee
Physician Leader
2017 – 2019

AHN Neuroscience Quality, Safety, and Patient Experience Committee
Member
2016 – Present

Kaleida Health Medical Executive Committee
Elected Member
2014-2016

University at Buffalo Neurosurgery, INC.
Elected Officer - Secretary
2012-2013

University at Buffalo Neurosurgery, INC.
Financial Committee
Member
2012-2013

Kaleida Health Credentials Committee
Representative
2009-2010

Graduate Medical Education/University Service
Drexel University College of Medicine Continuing Medical Education
Committee
Elected Member
July 2022 - Present

AHN Academic Officer, Neurosurgery
July 2018 - Present

AHN Graduate Medical Education Committee
Member
2017 – Present

AHN Neurosurgical Residency Program
Program Executive Committee
Member
2016 – Present

AHN Neurosurgical Residency Program
Clinical Competency Committee
Member
2016 – Present

University at Buffalo
Resident Fellowship Leadership Advisory Team
Member
2015 - 2016

University at Buffalo Neurosurgical Residency Program
Program Executive Committee
Member
2013 - 2016

University at Buffalo Neurosurgical Residency Program
Clinical Competency Committee
Member
2013 - 2016

Neurosurgical Resident Educational Support Committee
Director
2012 - 2016

FPMP Governing Board
Member
2008 - 2016

University at Buffalo Faculty Council Representative
Member
2008 - 2013

2. Extramural

American Board of Neurological Surgery
Oral Board Examination
Invited Examiner
May 2023

Duquesne University-College of Medicine Advisory Council

Invited Member
August 2021-Present

American Board of Neurological Surgery
Oral Board Examination
Invited Examiner
May 2021

Program Directors Patient Safety and Quality (PDPQ) Educators
Network - *Accreditation Council for Graduate Medical Education*
Invited Member
January 2021 – Present

Neurosurgery Journal
Ad hoc reviewer
2014 – 2015

Health Science Charter School Internship Advisory Board
Member
2013 – 2015

J. Community Service

Holiday Party for the Northside Children
Participant
2019

Holiday Party for the Northside Children
Participant
2018

Western Pennsylvania Hydrocephalus Association Walk
Organizer of AHN Neuroscience Institute Division
2017 - Present

Neurosurgical Outreach Foundation
Board of Directors
July 2014 – Present

North Catholic High School Alumni Career Day
Professional Panel
2016

Buffalo Niagara Medical Center Rotary Club
Member
2014 – 2016

Unaffiliated Neurotrauma Consultant for the National Football League
and the National Football League Players Association

Buffalo Bills; Buffalo, NY
2013 – 2016

Endothon 2015 Event for Neurosurgical Outreach Foundation
Chair
Raised 40K to purchase two endoscopic towers for use in the Philippines
2014 – 2015

Western New York Hydrocephalus Association Walk
Organizer of UBNS division
2013 – 2015

K. Educational Activities

Courses/Clerkships/Programs Taught

Microscopic and Endoscopic Skull Base Surgery and Vascular Bypass Course; Pittsburgh, PA.
Invited Laboratory Proctor
November 3- 5, 2022

Pittsburgh Spine Summit; Pittsburgh, PA
Invited Laboratory Faculty
August 11 – 13, 2022

Multidisciplinary Endocrine Tumor Conference (Biannual)
Invited Faculty
2017-Present

AHN Neurosurgical BIOSKILLS Laboratory Session
“Approaches to the Pineal Gland”
Faculty
March 9, 2022

Congress of Neurological Surgery Annual Meeting
“Residency Challenges in 2021: It’s not like it used to be”
Invited Faculty
Austin, TX
October 2021

AHN Neurosurgical BIOSKILLS Laboratory Session
“Approaches to the Third Ventricle”
Faculty
September 8, 2021

AHN Neurosurgical BIOSKILLS Laboratory Session

“Cervical Laminectomy and Posterior Instrumented Fusions”

Faculty

September 22, 2021

AHN Neurosurgical BIOSKILLS Laboratory Session

“Anterior Cervical Discectomy, Artificial Disc, Corpectomy”

Faculty

August 25, 2021

Pittsburgh Spine Summit; Pittsburgh, PA

Invited Laboratory Faculty

August 12 – 14, 2021

AHN Neurosurgical BIOSKILLS Laboratory Session

“Endoscopic Endonasal Anatomy and Approach to Skull Base, Anterior Skull Base to Clivus”

Faculty

August 11, 2021

AHN Neurosurgical BIOSKILLS Laboratory Session

“Pineal Region Approaches”

Faculty

March 10, 2021

AHN Neurosurgical BIOSKILLS Laboratory Session

“Microdiscectomy, Laminectomy, Foraminotomy”

Faculty

July 28, 2021

AHN Neurosurgical BIOSKILLS Laboratory Session

“Interhemispheric Transtentorial; Infratentorial Supracerebellar; Posterior Transcallosal,”

Faculty

March 10, 2021

AHN Neurosurgical BIOSKILLS Laboratory Session

“Suboccipital Craniotomy/Telovelar Approach to Fourth Ventricle”

Faculty

February 10, 2021

Pittsburgh Spine Summit; Pittsburgh, PA

Invited Laboratory Faculty

November 5 – 7, 2020

Society of Neurological Surgeons: Boot Camp/Fundamental Course

Invited Faculty
Philadelphia, PA
July 2020 (*Cancelled due to COVID-19 Pandemic*)

AHN Neurosurgical BIOSKILLS Laboratory Session
“Approach to 3rd Ventricle; Interhemispheric, Transcallosal, Transchoroidal,”
Faculty
September 9, 2020

AHN Neurosurgical BIOSKILLS Laboratory Session
“Approach to 3rd Ventricle; Interhemispheric, Transcallosal, Transchoroidal”
Faculty
September 11, 2019

Pittsburgh Spine Summit; Pittsburgh, PA
Invited Laboratory Faculty
August 22-25, 2019

AHN Neurosurgical BIOSKILLS Laboratory Session
“Cervical Laminectomy and Decompression and Fusion”
Faculty
July 24, 2019

Society of Neurological Surgeons: Boot Camp/Fundamental Course
Invited Faculty
Philadelphia, PA
July 2019

AHN Neurosurgical BIOSKILLS Laboratory Session
“Approach to 3rd Ventricle; Interhemispheric, Transcallosal, Transchoroidal”
Faculty
October 10, 2018

AHN Neurosurgical BIOSKILLS Laboratory Session
“Supraorbital Minicraniotomy and Endoscopic Exploration”
Faculty
September 12, 2018

Society of Neurological Surgeons: Boot Camp/Fundamental Course
Invited Faculty
Philadelphia, PA
July 2018

American Association of Neurological Surgeons Goodman Oral Board Review Course
Invited Faculty
Phoenix, AZ

May 2018

AHN Neurosurgical BIOSKILLS Laboratory Session
“C1-C2 Approaches”

Faculty

April 11, 2018

AHN Neurosurgical BIOSKILLS Laboratory Session

“Approach to Pineal Region Lesions; Interhemispheric Transtentorial, Infratentorial, Supracerebellar”

Faculty

March 14, 2018

AHN Neurosurgical BIOSKILLS Laboratory Session

“Suboccipital Craniotomy and Telovelar Approach”

Faculty

January 10, 2018

Society of Neurological Surgeons: Boot Camp/Fundamental Course

Invited Faculty

Philadelphia, PA

July 2017

American Association of Neurological Surgeons Goodman Oral Board Review Course

Invited Faculty

Houston, TX

May 2017

American Association of Neurological Surgeons Goodman Oral Board Review Course

Invited Faculty

Houston, TX

April 2016

American Association of Neurological Surgeons Goodman Oral Board Review Course

Invited Faculty

Houston, TX,

November 2015

Congress of Neurological Surgery Annual Meeting

“Endoscopic Cranial Base Live Surgery”

Moderator

New Orleans, LA

September 2015

Congress of Neurological Surgery Annual Meeting

“Endoscopic Endonasal and Key Hole Cranial Surgery”

Invited Faculty (Cadaver Laboratory Session)
New Orleans, LA
September 2015

**Congress of Neurological Surgery Annual Meeting
“Endoscopic Endonasal Skull Base Surgery”**

Invited Faculty (Cadaver Laboratory Session)
New Orleans, LA
September 2015

**American Association of Neurological Surgeons Goodman Oral
Board Review Course**

Invited Faculty
Houston, TX
May 2015

Congress of Neurological Surgery Annual Meeting

**“Endoscopic Endonasal and Key Hole Approaches to Anterior Skull
Base”**

Invited Faculty (Cadaver Laboratory Session)
Boston, MA
October 2014

Congress of Neurological Surgery Annual Meeting

**“Endoscopic Endonasal Surgery of the Pituitary, Parasellar Areas,
and Ventral Skull Base”**

Invited Faculty (Cadaver Laboratory Session)
Boston, MA
October 2014

**American Association of Neurological Surgeons Goodman Oral
Board Review Course**

Invited Faculty
Houston, TX
May 2014

Neuroscience and Behavior Module

University at Buffalo Medical School
Preceptor/Faculty
2011-2016

Courses/Clerkships/Programs Coordinated

AHN Neurosurgical Residency In-Service – “Shunts”

Coordinator
September 2019 - Present

AHN Neuroscience Institute Annual Resident Research Symposium

Co-coordinator
June 2017 - Present

Medical Student Fourth Year Surgical Elective Clerkship

Neurosurgical Rotation
AHN Neuroscience Institute
Coordinator
June 2016-2019

Medical Student Third Year Surgical Elective Clerkship

Neurosurgical Rotation
AHN Neuroscience Institute
Coordinator
June 2016-2019

Exercise Clerkship, School of Public Health and Health Professions

University at Buffalo
Director and Preceptor
July 2013 – June 2015

Medical Student Neurosurgical Rotations

University at Buffalo
Coordinator
2011 - 2016

Courses/Clerkships/Programs Developed

AHN Aesculap Cerebrospinal Fluid Diagnosis, Disorder, and Dynamics (3-D) Course

Program Director
October 21-22, 2022

Developed and organized national two day course including didactic presentations and discussions as well as cadaver laboratory sessions to teach attending and resident neurosurgeons how to surgically treat patients with hydrocephalus and intraventricular pathology via neuroendoscopy and shunting.

Inaugural AHN – Ohio State University (OSU) Neurosurgical Summit

Co-Founder and Director
September 24 – 25, 2022

Founded, developed and organized the inaugural two day event between the AHN and OSU Department of Neurosurgery bringing the two departments together in Pittsburgh, Pennsylvania to collaborate and learn about surgical approaches via didactic and cadaveric laboratory sessions. Obtained financial support for entire event.

AHN Department of Neurosurgery Summer Internship Program

Founder and Director
Summer 2022 - Present

Updated 1/22/2023

Founded, developed and organized a funded summer internship opportunity for medical students (national) to submit a research proposal reviewed by the AHN Department of Neurosurgery Resident Research Council under an AHN Department of Neurosurgery faculty mentor. Two students per year are chosen for two available positions. The students work closely with the faculty mentor and the residents during the three months of their summer break writing the IRB, compiling the data, and submitting an abstract and eventual manuscript for publication.

Dr. Walter Grand Neurosurgical Forum Live Stream Conference

Co-Founder and Director

September 17, 2021

Developed and organized national and international webinar to provide insight into the topic of mentorship during neurosurgical training and practice for practicing neurosurgeons, neurosurgical faculty and residents, and medical students

AHN Department of Neurosurgery Indications Conference

Founder and Director

August 2021 – August 2022

Developed and organized a department wide virtual conference (spanning hospitals within the neurosurgical institute) to discuss challenging neurosurgical diagnostic and management conundrums encountered in practice attended by faculty, attendings, residents and APPs.

AHN Neurosurgery Residency Simulation Bi-annual Evaluations Star Simulation Center

Co-Founder and Assistant Coordinator

June 2020 – Present

Developed a biannual four hour simulation exercise for PGY 1 & 2 year neurosurgical residents at the West Penn Star Simulation Center to assess their knowledge and technical skill base utilizing patient actors and actresses as well as computerized mannequins to simulate a real-life educational experience to grade the residents and to tailor curriculum. In the Fall of 2022, the curriculum will be extended to PGY 4 and 5 year residents and will expand to a full day session where surgeries will be performed on cadavers in our BIOSKILLS lab under direct supervision for evaluation.

Dr. Susan Bennett Legacy Lecture

Founder and Director

November 2020 – Present

Organized an annual multidisciplinary lecture to honor Dr. Susan Bennett, PT and her contributions to neurological physical therapy and multidisciplinary clinics in conjunction with the Bennett Rehabilitation Institute, Buffalo, NY.

AHN Department of Neurosurgery Winter Series

Founder and Director

January – March 2020

Organized an evening monthly socioeconomic lecture series over ZOOM during the Covid-19 Pandemic to engage and facilitate discussion between residents, faculty, and program alumni on topics future job opportunities, types of practice, and contract negotiations.

AHN Neurosurgery APP Lecture Series

Founder and Director

October 2018 – Present

Organized a series of pertinent lectures appropriate for APPs from intradepartmental faculty to facilitate patient care and understanding of neurological disorders. Lectures occur monthly.

AHN Neurosurgery Resident Written Board Review Mini-Series

Founder and Director

October 2018 – Present

Organized a series of high yield lectures from inter-departmental and outside departmental faculty to facilitate neurosurgical resident board preparation. Lectures structured to be engaging and to invoke participation and interaction occurring twice a month.

AHN Neurosurgery Resident BIOSKILLS Laboratory Curriculum

Founder and Director

July 2017 – Present

Organized a twice a month didactic and cadaver dissection curriculum focusing on cranial and spinal topics for the neurosurgical residents and medical students to further deepen their understanding of basic neurosurgical anatomy and surgical approaches translating into greater understanding of neuroanatomy and proficiency in the operating room. Funding is secured through medical educational grants through industry.

AHN Hydrocephalus Society

Founder and Director

2017 - Present

Created a multi-disciplinary focused educational opportunity involving neurology, neurosurgery, physical therapy involvement through faculty, resident, student, allied care professional, and industry interactions to meet on a quarterly basis and discuss the care of hydrocephalic patients with the goal of facilitating discussion, expanding the general knowledge base as well as identifying future growth areas within the field that can impact and improve patient care.

Neurosurgical 4th Year Medical Student Sub-Internship Clerkship

AHN Neuroscience Institute

Developed and Coordinated

2017 - 2019

Restructured the 4th year medical student neurosurgical rotation providing organized exposure to neurosurgical faculty through outpatient clinics as well as neurosurgical and neuroendovascular procedures. Curriculum for the rotation was composed based on the Congress of Neurosurgeons guidelines including specific rotational goals, expectations, and objectives. Opportunity for biweekly student evaluations for student feedback from faculty in addition to end of rotation student feedback was introduced. Curriculum enhancements also included providing organized exposure to all departmental educational events including team building social activities with the residents as well as the opportunity to attend the national and international departmental educational courses hosted in the AHN Center for Surgical Arts. Attending these courses provide the students with a novel opportunity to learn from internal and external faculty as well as the opportunity to participate in hands on cadaver laboratory sessions.

Adult Hydrocephalus Center

AHN Neuroscience Institute, 2016 – Present
University at Buffalo Neurosurgery, 2011-2016

Founder and Director

The Adult Hydrocephalus Center provides a clinical forum through which hydrocephalus patients are evaluated through a multidisciplinary approach to determine best means of medical and/or surgical treatment. Through this comprehensive clinic, both clinical and surgical data is collected and analyzed to further expand our understanding of hydrocephalus. Medical students, physical therapist students, and residents/fellows of various disciplines including neurology, neurosurgery, and radiology participate in this educational endeavor. A deeper understanding of hydrocephalus is cultivated which provides more cohesive and higher quality of care across the disciplines.

Multidisciplinary Pituitary Conference

AHN Neuroscience Institute, 2016 – Present
University at Buffalo Neurosurgery, 2011-2016

Founder and Director

This multidisciplinary accredited CME conference provides a forum in which discussion regarding pituitary disorders is facilitated to promote advances in diagnosis, treatment, and minimally invasive surgical care of skull base pathology involving the sella and suprasellar areas. The conference takes place quarterly and is attended by Neurologists, Neurosurgeons, Otolaryngologists, Radiologists, Endocrinologists, Internists, and Pathologists as well as their residents, fellows, and other health care professions.

AHN Pituitary Edition Subspecialty Endocrine Conference

Co-Founder and Co-Director

2016 – Present

This integrated multidisciplinary twice a year conference in which multiple disciplines serves to review complex pituitary patient cases to promote discussion, facilitate education, and to provide recommendations for the best management options for patients. Endocrinologists, radiologists, pathologists, and neurosurgeons convene with the residents, medical students, and fellows to review the cases in detail and to facilitate discussion.

AHN Dr. Walter Grand Brain Endoscopy Course

Founder and Director

2016 - Present

This annual conference includes a two day course consisting of didactic lectures and cadaver dissection. The course faculty is comprised of national and international neurosurgeons focusing on teaching minimally invasive skull base and intraventricular approaches to skull base/ intraventricular pathology. The course is attended by attending neurosurgeons as well as residents/fellows and medical students nationally and internationally. Funding is secured for this conference through private educational and industry grants. The course is a CME accredited event (16.5 MA PRA Category 1 Credit(s)™).

Dr. Walter Grand Neurosurgical Forum

Founding Board Member and Director

2016 - Present

Forum created to promote neurosurgical education and foster neurosurgical collaboration across the county through an annual neurosurgical conference held in springtime yearly called the Dr. Walter Grand Neurosurgical Forum Conference (11

Updated 1/22/2023

MA PRA Category 1 Credit(s)™ through a non-for-profit organization. Neurosurgeons from academia and private practice across the country are invited to lecture and to join forum discussions. Medical students and neurosurgical residents and fellows are invited to participate as well. An annual award, the Dr. Walter Grand Neurosurgical Forum Resident Award, is given to recognize an outstanding neurosurgical resident who has demonstrated focus on surgical excellence, integrity, and compassion.

Neurosurgical/NICU Clerkship

University at Buffalo

Founder and Director

2015-2016

Developed this novel medical student rotation in collaboration with the Department of Neurology exposing every 3rd and 4th year medical student at the University at Buffalo to the field of Neurosurgery by developing a core rotation through the neurosurgical and neurosurgical intensive care unit services during the required neurology rotation. Rotation development included construction of formal curriculum, objective, and evaluations. Through this rotation, students were given the unique opportunity to rotate through the neurosurgical ICU and on the neurosurgical service via a patient focused model. They were assigned to specific neurosurgical patients and would accompany them throughout each of their NICU procedures and neurosurgical operative experiences exposing them to neurological conditions and their management.

University at Buffalo Neurosurgical Clinic Office Internship

Founder and Director

2014 - 2015

Created, developed, and instituted internship in response to undergraduate interest in Neurosurgery by creating an opportunity for undergraduate students from the University at Buffalo to shadow Neurosurgeons clinically and in the operating arena in order to provide them exposure to the field of neurosurgery. During their internship, students are paired with a resident mentor and have the opportunity to become involved in various research projects.

University at Buffalo Neurosurgical Medical Student Summer Internship Program

Founder and Director

2012 - 2014

Organized, updated, and developed neurosurgical curriculum in collaboration with the University at Buffalo to provide medical students the opportunity to rotate through the Neurosurgical department, exposing them to the field of Neurosurgery appropriate to their level of education and interest. Organization consisted of updating curriculum, formalizing the evaluation system, and creating a more formal introduction to the Neurosurgical Department.

University at Buffalo Brain Endoscopic Conference

Co-Founder and Co-Director

2008-2016

This annual conference includes a two day course consisting of didactic lectures and cadaver dissection and is attended by national and inter-national neurosurgeons in order to teach novel minimally invasive skull base and intraventricular approaches to skull base tumors and intraventricular lesions as well as hydrocephalus. Funding is secured for this conference through private educational

and industry grants and is a CME accredited event (17.5 MA PRA Category 1 Credit(s)™).

Advising/Mentoring/Tutoring

AHN Neurosurgical Resident Research Council

Founder and Director

2016 – Present

Advisory council created in which twice a month meetings are held between academic and research advisors with individual Neurosurgery residents, medical students, and fellows to promote research, identify obstacles to publishing, increase awareness of grant/funding opportunities, track student research progress, and identify areas of interest for future academic endeavors including workshops pertaining to CV management, grant funding, and bibliography management.

AHN Neurosurgical Medical Student Interest Group

Founder and Director

2016 – Present

University at Buffalo Neurosurgical Medical Student Interest Group

Founder and Director

2012-2016

L. Clinical Activities

Major Clinical Activities

a. Rounds

Neurosurgical Patient Rounds: Daily rounds with residents and medical students focused on managing inpatient care

b. Clinics

Neurosurgical Clinic, twice a week

AHN Adult Hydrocephalus Clinic (Multidisciplinary), every other week

AHN Pituitary Clinic (Multidisciplinary), once per month

c. Procedures

Neurosurgical Operations and Procedures

d. Development and /or implementation for clinical programs, quality assessment of programs

Monthly Adult Hydrocephalus Center Quality Meeting

Biannual AHN Pituitary Center Administrative Meeting

Health Care Education of the Lay Community

a. Presentations

Hydrocephalus Association “Speak with the Expert”
Invited Guest Speaker
October 27, 2021

National CBS TV Network “A Celebration of PGA Professionals”
Invited Guest Speaker
July 18, 2021

KDKA TV “Eye on Health”
Invited Guest (Awake Brain Surgery)
February 27, 2019.

KDKA-AM Radio “Medical Frontiers”
Invited Guest (Pituitary Tumors)
August 13, 2018

KDKA-AM Radio “Medical Frontiers”
Invited Guest (Pituitary Tumors)
December 18, 2017

KDKA-AM Radio “Medical Frontiers”
Invited Guest (Hydrocephalus Awareness)
September 13, 2017

Health Now Conference
“Cerebrovascular Accidents”
Invited Guest Panel Participant
May 9, 2017

Ministers’ Wives and Widows Annual Breakfast
"Neurological Disease and Disorders Impacting Women and Children"
Invited speaker
May 19, 2012

b. Publications in lay press

Buffalo Tales: “I am one of the Lucky Ones”
Featured in <https://www.buffalotales.net/post/i-m-one-of-the-lucky-ones>
January 2022

AHN Ventricular Peritoneal Shunt Brochure
@2021AHN

AHN Neuroscience Institute - Brainwaves
Featured in “A Center for Pituitary Tumors”
July 2021

AHN Neuroscience Institute - Brainwaves
Featured in “Frontline Fortitude”
December 2020

AHN Pituitary Center Brochure
@2019 AHN
HC404151

Adult Hydrocephalus Center Brochure
@2017 AHN
NEURi37076m

M. Support

1. Extramural

ADvance II: A 12-month double-blind, randomized, controlled study to evaluate the safety and efficacy of Deep Brain Stimulation of the fornix (DBS-f) in patients with mild probable Alzheimer’s Disease

Protocol No.: FNMI-002 WCG IRB Protocol #20181983
Role: Sub-Investigator
Source/Type: Industry
Sponsor: Functional Neuromodulation

Characterization of intervertebral disc inflammation following discectomy for treatment of lumbar disc herniation. RC-6186

Role: Investigator
Source/Type: None
Sponsor: None

**ENRICH – Early Minimally Invasive Removal of ICH.
A multi-center, randomized, adaptive clinical trial comparing standard medical management to early surgical hematoma evacuation using minimally invasive parafascicular surgery in the treatment of acute spontaneous supratentorial intracerebral hemorrhage.**

Role: Principle Investigator
Source/Type: Industry
Sponsor: NICO Corporation

A Phase 2b/3, Double-blind, Randomized, Placebo Controlled, Multicenter Study to Assess the Efficacy and Safety of VX-210 in Subjects With Acute Traumatic Cervical

Spinal Cord Injury

Role: Sub-Investigator
Source/Type: Industry
Sponsor: Vertex Pharmaceuticals Incorporated

The INSPIRE Study: InVivo Study of Probable Benefit of the Neuro-Spinal Scaffold™ for Safety and Neurologic Recovery in Subjects with Complete Thoracic AIS A Spinal Cord Injury

Role: Sub-Investigator
Source/Type: Industry
Sponsor: InVivo Therapeutics

NIH:

**MISTIE III
1U01NS080824-01A1**

Role in Project: Principle Investigator at University of Buffalo
Years Inclusive: 09/01/2013-04/30/2016
Total \$ Amount: \$23,335,454.00
\$ Site Amount: \$368,166.00
Role: Site director responsible for screening and randomization process as well as managing and providing surgical treatment and follow-up care to enrolled patients

Clot Lysis: Evaluating Accelerated Resolution of IVH Phase III (Clear III)

5U01NS062851-03

Role in Project: Principle Investigator at University of Buffalo
Years Inclusive: 07/01/2009-06/30/2015
\$ Total Amount: \$2,606,211.00
\$ Site Amount: \$525,000.00
Role: Site director responsible for screening and randomization process as well as managing and administering drug as well as providing follow-up care to enrolled patients

2. Intramural

Funded Research Activities

Lipinski L, Shakir H, **Leonardo J.** "Solving the 'Lost to Follow Up' Dilemma: A Retrospective Cohort Study," 2013-2014 Quality Improvement Award (\$3,000); University at Buffalo's Graduate Medical Dental Education Program.

Meyers J, Fanous A, **Leonardo J.** "Role of Preoperative Worksheets in Reducing Surgical Cancellations and Decreasing Patient Morbidity."

2013-2014 Quality Improvement Award (\$3,000); University at Buffalo's Graduate Medical Dental Education Program.

Leonardo J, Rozzelle C. "Post-Operative Re-Tethering Study." 2006-2007

Fellowship Support

University at Buffalo Department of Neurosurgery, Brain and Skull Base Neuroendoscopic Fellowship; Storz Educational Grant, \$10,000; 2015-2016.

University at Buffalo Department of Neurosurgery, Brain and Skull Base Neuroendoscopic Fellowship; Storz Educational Grant, \$15,000; 2014-2015.

N. Graduate Students, Postdoctoral Fellows and Postgraduate Medical Trainees

Fellowship (Pre-Residency)

Brain and Skull Base Neuroendoscopic Fellowship
University at Buffalo

Dr. Alexander Dorsch 2015-2016

Dr. Cletus Cheyou 2014-2015

Neurosurgical Residents

AHN Neurosurgical Residents (2016 – Present):

Diana Jho, MD

Derrick Dupre, MD

Alejandro Castellvi, MD

Bertram Richter, MD

Raj Nangoonuri, MD

Gordon Mao, MD

Chris Paine, MD

Chen Xu, MD

Brandon Kujawski, MD

Kristen Stabingas, MD

Dan Meyers, MD

Dorian Kusyk, MD

Rocco Dabecco, DO

Nathan Esplin, MD

Shahed Elhamdani, MD

Seung Jeong, MD

Andrea Alonso, MD

Kevin Sexton, MD

Cody Woodhouse, MD

Clementina Aiyudu, MD

Dallas Kramer, MD

Stephen Jaffee, MD

Lance Valls, MD
Jose Sandoval Consuegra, MD
Alejandro Matos Cruz, MD
Coby Cunnningham, MD
Ethan Fitzgerald, MD

University at Buffalo Neurosurgical Residents (2009-2016):

Ken Snyder, MD, PhD
Andrew Fabiano, MD
Andrea Chamczuk, MD
Thomas Gruber, MD
Regis Hoppinot, MD
Jason Pryzbylo, MD
Craig J. Berg, MD
Justin Michael Thomas, MD
Grant Sorkin, MD
Sabareesh Natarajan, MD
Nasser Jaleel, MD
Gursant Atwal, MD
Lindsay Lipinski, MD
Andrew Fanous, MD
Hakeem Shakir, MD
Evan Winograd, MD
Kunal Vakharia, MD
Michael Kogan, MD
Justice Agyei, MD
Joti Thind, MD
Amade Bregy, MD

Neurosurgical Medical Students (Internal)

Justin Meinert, 2022 – Present
Gersham Rainone, 2022 – Present
Katy Locke, 2022 – Present
Terry Xia, 2022 – Present
Michael Moran, 2022 – Present
Awinita Barpujari, 2021- Present
Hirmand Daniel Sarafian, 2021- Present
Hunter King, 2021- 2022
Chiara Flores, 2020-2022
Abhijith Bathini, 2021-2022
Joshua Lucas, 2021-2022
Ethan Fitzgerald, 2020-Present
Coby Cunningham, 2020-Present
Sarah Danehower, 2020-2021
Joshua Weinberg, 2020-2021
Shyle Metha, 2020 – 2021t
Steven Jaffe, 2020 – 2021
Alfredo Munoz, 2020 – 2021
Charles Fencil, 2019 – 2020

Gordon Hill, 2019 - 2020
Dorian Mambelli, 2018 - 2019
Varun Padmanahan, 2017-2018
Shiwei Huang, 2017 - 2018
Brandon Laing 2017 - 2018
Alexander Becker, 2017-2018
Patrick Jowdy, 2016-2017

Neurosurgical Medical Students (External)

Shane Miller, 2021-Present
Vaibhav Sharma, Geisinger University, 2021-Present
Alice Wang, Western University of Health Sciences, 2021-Present
Monica Mureb, PCOM, 2019 - 2020
Michael Bamimore, PCOM, 2019-2020
Clementina Aiyudu, NEOMED, 2019-2020
Michael Gigliotti, 2018 - 2019
Daniel Kreatsoulas, Ohio Neo Medical School, 2016-2017

Neurosurgical Undergraduate Students

Francisco Delgado, Carnegie Mellon University, 2017 - Present

Undergraduate University at Buffalo Neurosurgical Summer Interns

Richard Law, 2014
Anthony Turner, 2014
Alyssa Aldridge, 2014
DJ Augenblick, 2013
Jared Getz, 2012

Undergraduate University at Buffalo Bioengineering Students

Senior Capstone Bioengineering Class BE498/BE494: Development of Endoscopic Introducer, Patent pending Katherine Czerniejewski 2015-2016

Lauren Roberts, 2015 - 2016
Nikki Scerrra, 2015 - 2016
Nicole Wawrzyniak, 2015 - 2016

Senior Capstone Bioengineering Class BE498/BE494: Development of Non-Occluding Cerebral Shunt for Shunted Hydrocephalus

Richard Izzo, 2014 - 2015
Nicole Griffin, 2014 - 2015

Neurosurgical University at Buffalo Clinical Office Interns

Joseph Sciacca, 2014 - 2015
Pramod Rao, 2014 - 2015

O. Bibliography

1. Journal Articles

Peer Reviewed

Ashraf O, Bajwa O, **Leonardo J**, Altenbaugh M. Nontraumatic Neurosurgical Emergencies. *Crit Care Nurs Q.* 2023 Jan-Mar 01;46(1):2-16. doi: 10.1097/CNQ.0000000000000434. PMID: 36415064.

Rana T, Hackett C, Quezada T, Chaturvedi A, Bakalov V, **Leonardo J**, Rana S. Medicine and surgery residents' perspectives on the impact of COVID-19 on graduate medical education. *Med Educ Online.* 2020 Dec;25(1):1818439. doi: 10.1080/10872981.2020.1818439. PMID: 32924869; PMCID: PMC7534325.

Ares WJ, Jankowitz BT, Kan P, Spiotta AM, Nakaji P, Wilson JD, Fargen KM, Ramos E, **Leonardo J**, Grandhi R. The neurosurgical marriage: evaluating the interplay of work life and home life from the perspective of partners of neurosurgical residents. *J Neurosurg.* 2022 Sep 9:1-8. doi: 10.3171/2022.7.JNS221493. Epub ahead of print. PMID: 36087329.

Munoz F, Xu C, **Leonardo J**. Septostomy of septum pellucidum – Salvage technique for reversal of ventricular collapse during pure endoscopic surgical resection of third ventricular colloid cyst. *Interdisciplinary Neurosurgery, Technical Notes, and Surgical Techniques.* 2022 June; 28: 101513.

Venugopal A, Moccia S, Foti S, Routray A, MacLachlan RA, Perin A, Mattos LS, Yu AK, **Leonardo J**, De Momi E, N Riviere C. Real-time vessel segmentation and reconstruction for virtual fixtures for an active handheld microneurosurgical instrument. *Int J Comput Assist Radiol Surg.* 2022 Mar 16. doi: 10.1007/s11548-022-02584-5. Epub ahead of print. PMID: 35296950.

Woodhouse C, Abdel Aziz K, Kusyk D M, Chen F, Pace J, **Leonardo J**. (January 12, 2022) A Rare Third Ventricular Dermoid Cyst in an Adult With Imaging Characteristics Consistent With a Colloid Cyst. *Cureus* 2022 Jan 12; 14(1): e21172. doi:10.7759/cureus.21172

Lucas JM, Esplin N, Happ EM, **Leonardo J**. It's not always the shunt: Microthrombi formation in venous collaterals causing symptoms of shunt failure in the setting of shunted hydrocephalus. *Clin Neurol Neurosurg.* 2021 Oct;209:106932. doi: 10.1016/j.clineuro.2021.106932. Epub 2021 Sep 3. PMID: 34509140.

Wegner R, Horne Z, Liang Y, Goss M, Yu A, Pace J, Williamson R, **Leonardo J**, Karlovits S, Fuhrer R. Single Fraction Frameless Stereotactic Radiosurgery on the Gamma Knife Icon for Patients With Brain Metastases: Time to Abandon the Frame?, *Advances in Radiation Oncology*, Volume 6, Issue 5, 2021, 100736, ISSN 2452-1094, <https://doi.org/10.1016/j.adro.2021.100736>.

Updated 1/22/2023

Algattas HN, McCarthy D, Kujawski B, Agarwal N, Brown J, Forsythe RM, **Leonardo J**, Walsh K, Gross BA, Friedlander RM, Okonkwo DO, Whiting D, Miele VJ. Impact of Coronavirus Disease 2019 Shutdown on Neurotrauma Volume in Pennsylvania. *World Neurosurg*. 2021 Jul;151:e178-e184. doi: 10.1016/j.wneu.2021.04.004. Epub 2021 Apr 20. PMID: 33857673.

Zha X, Wehbe L, Sciabassi RJ, Mace Z, Liang YV, Yu A, **Leonardo J**, Cheng BC, Hillman TA, Chen DA, Riviere CN. A Deep Learning Model for Automated Classification of Intraoperative Continuous EMG. *IEEE Trans Med Robot Bionics*. 2021 Feb;3(1):44-52. doi: 10.1109/tmrb.2020.3048255. Epub 2020 Dec 30. PMID: 33997657; PMCID: PMC8117925.

Sianati B, Rana S, Sari M, **Leonardo J**, Scott T. Large Hemispheric Lesions in Autoimmune Encephalitis Associated with Anti-GAD 65 Antibodies. *Mult Scler Relat Disord*. 2020 September; 44; 102331. doi: 10.1016/j.msard.2020.102331. Epub 2020 Jun 25.

Rana T, Hackett C, Quezada T, Chaturvedi A, Bakalov V, **Leonardo J**, Rana S. Medicine and Surgery Residents' Perspectives on the Impact of COVID-19 on Graduate Medical Education. *Medical Education Online*. 2020 September. <https://doi.org/10.1080/10872981.2020.1818439>

Jean WC, Tai AX, Hogan E, Herur-Raman A, Felbaum DR, **Leonardo J**, Syed HR. An anatomical study of the foramen of Monro: implications in management of pineal tumors presenting with hydrocephalus. *Acta Neurochir (Wien)*. 2019 May;161(5):975-983.

Yan J, Sipei L, Cartieri F, Wang Z, Hitchens K, **Leonardo J**, Averick S, Matyjaszewski K. Iron Oxide Nanoparticles with Grafted Polymeric Analogue of Dimethyl Sulfoxide as Potential Magnetic Resonance Imaging Contrast Agents. *ACS Appl. Mater. Interfaces* 2018; 10: 21901-21908.

Vakharia K, Siasios ID, Dorsch AB, **Leonardo J**: Spontaneous Intraventricular Rupture of a Craniopharyngioma Cyst: A Case Report. *Int J Crit Illn Inj Sci* 2017; 7: 126-8.

Agyei JO, Lipinski LJ, **Leonardo J**: Case Report of a Primary Pituitary Abscess and Systematic Literature Review of Pituitary Abscess with a Focus on Patient Outcomes. *J World Neurosurg*. 2017 Jan 30. Pii: S1878-8750(17)30100-6. Doi: 10.1016/j.wneu.2017.01.077.

Dorsch AB, **Leonardo J**: Use of the Swiveling Technique for Endoscopic Removal of a Colloid Cyst of the Third Ventricle: A Technical Note. *J Neurol Surg A Cent Eur Neurosurg*. 2017 Jan; 78(1):

78-81. (epub July 18, 2016 DOI <http://dx.doi.org/10.1055/s-0036-1584828>). PMID: 27429416

Meyers JE, Fanous AA, Jowdy PK, **Leonardo J**: Use of a Preoperative Checklist in Reducing Neurosurgical Procedure Cancellations: A Quality Assurance Initiative. *AANS Neurosurgeon (Peer-reviewed Research)* 25(2), June 2016.

Grand W, **Leonardo J**, Chameczuk AJ, Korus AJ: Endoscopic Third Ventriculostomy in 250 Adults With Hydrocephalus: Patient Selection, Outcomes, and Complications. *Neurosurgery* 78:101-119, January 2016. (epub August 20, 2015 DOI: 10.1227/NEU.0000000000000994).

Morr S, Shakir H, Lipinski LJ, Dimopoulos VG, **Leonardo J**, Pollina J: Patient Variables and Referral Paradigms Associated with Osteoporosis Screening and Treatment in Neurosurgical Patients Undergoing Kyphoplasty. *Neurosurg Focus* 39:E15, December 2015.

Fanous AA, Lipinski LJ, Krishna C, Roger EP, Siddiqui AH, Levy EI, **Leonardo J**, Pollina J: The Impact of Preoperative Angiographic Identification of the Artery of Adamkiewicz on Surgical Decision Making in Patients Undergoing Thoracolumbar Corpectomy. *Spine* 40:1194-1199, August 2015.

Shakir HJ, Garson AD, Sorkin GC, Mokin M, Eller JL, Dumont TM, Popat SR, **Leonardo J**, Siddiqui AH: Combined Use of Covered Stent and Flow Diversion to Seal Iatrogenic Carotid Injury with Vessel Preservation During Transphenoidal Endoscopic Resection of Clival Tumor. *Surg Neurol Int* 5:81, May 2014.

Van Lindert EJ, Delye H, **Leonardo J**: Prospective Review of a Single Center's General Pediatric Neurosurgical Intraoperative and Postoperative Complication Rates. *J Neurosurg Pediatr* (epub November 15, 2103 DOI 10.3171/2013.9.PEDS13222). PMID 24236448

Grand W, **Leonardo J**: Normal Pressure Hydrocephalus. *J Neurosurg*. 2012 Feb; 116(2):472-3Epub2011 Nov 25.

Munich SA, **Leonardo J**: Spontaneous Involution of a Rathke's Cleft Cyst in a Patient with Normal Cortisol Secretion. *Surg Neurol Int* 3:42, April 2012.

Munich SA, **Leonardo J**, Sazgar M, Grand W: An Episode of Severely Suppressed Electrocerebral Activity Recorded by EEG During Endoscopic Resection of a Colloid Cyst. Case Report, *J Neurosurg* 116:385-389, February 2012 (epub November 18, 2011 DOI 10.3171/2011.10.JNS11268).

Updated 1/22/2023

Grand W, Chameczuk AJ, **Leonardo J**, Snyder KV: Endoscopic Third Ventriculostomy for Hydrocephalus after Perimesencephalic Subarachnoid Hemorrhage: Initial Experience in Three Patients. *Acta Neurochir* (epub July 31, 2011 DOI 10.1007/s00701-011-1106-2).

Grand W, **Leonardo J**: Endoscopic Third Ventriculostomy in Adults: A Technique for Deal with the Neural (Opaque) Floor. *J Neurosurg* 114:446-453, February 2011 (epub November 19, 2010 doi: 10.3171/2010.10.JNS101000).

Leonardo J, Hanel RA, Grand W: Endoscopic Tracking of a Ventricular Catheter for Entry into the Lateral Ventricle: Technical Note. *Minim Invasive Neurosurg* 52:287-289, October 2009 (epub January 14, 2010).

Fabiano AJ, **Leonardo J**, Grand W: Posterior Cerebral Artery P1 Segment at the Stoma during Endoscopic Third Ventriculostomy in Adults. *J Neurol Neurosurg Psychiatry* 81:374-378, April 2010 (epub September 2, 2009; doi:10.1136/jnnp.2009.177360).

Leonardo J, Grand W: Enlarged Thalamostriate Vein Causing Unilateral Monro Foramen Obstruction. Case report. *J Neurosurg Pediatrics* 3:507-510, June 2009.

Rozzelle CJ, **Leonardo J**, Li V. Antimicrobial Suture Wound Closure for Cerebrospinal Fluid Shunt Surgery: A Prospective, Double-blinded, Randomized Controlled Trial. *J Neurosurg Pediatr.* 2008 Aug; 2 (2): 111-7.

Leonardo J, Rozzelle CJ. Antimicrobial Suture Use Associated with a Decreased Incidence of Cerebrospinal Fluid Shunt Infections. *Neurosurgery.* 2006 Aug 1;59(2):478.

Harrigan MR, **Leonardo J**, Gibbons KJ, Guterman LR, Hopkins LN: CT Perfusion Cerebral Blood Flow Imaging in Neurological Critical Care. *Neurocrit Care* 2 (3) 352-366, 2005.

Non Peer Reviewed

Shakir H, Sheehan D, **Leonardo J**: Mentoring From the Trenches: Why and How Neurosurgical Residents Can Be Career Mentors for Medical Students. *Congress Quarterly (CNS Q)*, Fall 2015.

McVige J, **Leonardo J**: Neuroimaging and the Clinical Manifestations of Chiari Malformation Type I. *Curr Pain Headache Rep* 19: 491, June 2015

McVige J, **Leonardo J**: Imaging of Chiari Type I Malformation and Syringohydromyelia. *Neurol Clin* 32:95-126, February 2014.

2. Book Chapters

Leonardo J: Monro Foraminoplasty (Chapter 24). In Torres-Corzo JG, Rangel-Castilla L, Nakaji P (eds) Neuroendoscopic Surgery, New York, Thieme Medical Publishers, January 2016, p. 247-255

Leonardo J: Principles of Endoscopic-Assisted Microneurosurgery (Chapter 30). In Torres-Corzo JG, Rangel-Castilla L, Nakaji P (eds) Neuroendoscopic Surgery, New York, Thieme Medical Publishers, January 2016, p. 291-30

3. Published Abstracts and Posters

Meinert, Justin W. BPhil; Locke, Katherine MS; Myers, Daniel MD; Yu, Alexander MD, MBSE, MS; and **Leonardo, Jody MD**, FACS, "Endoscopic Third Ventriculostomy as Primary Treatment of Fourth Ventricle Outlet Obstruction in a Patient with Foramen Magnum Meningioma Providing Complete Resolution of Symptoms Delaying Definite Skull Base Resection by 3 Years" (2022). *Tower Health Research Day*. 43.

https://scholarcommons.towerhealth.org/th_researchday/2022/onlineposters/43

Cunningham C, Barpujari A, Kujawski B, Thompson D, Lonich I, **Leonardo J**. Evaluation of Trends in Gait Function Following Ventriculoperitoneal Shunt Placement in Patients with Idiopathic vs. Secondary vs. Neurodegenerative NPH: A Long Term Follow-up of 63 Patients. Congress of Neurological Surgeons Annual Meeting, (Oral) San Francisco, CA, October, 2022

Cunningham C, Rainone G, Elhamdani, Xu C, **Leonardo J**, Yu A. A Novel Technique for Placement of the Shunt Catheter in the Pleural Space: The Single Incision Thoroscopic Approach with Complete Visualization. Congress of Neurological Surgeons Annual Meeting, (Poster) San Francisco, CA, October, 2022

Cunningham C, Kujawski B, Rainone G, Thompson D, Lonich I, **Leonardo J**. The Lumbar Tap Trial Experience: An evaluation of Efficacy in predicting Long term Shunt Outcomes. Congress of Neurological Surgeons Annual Meeting, (Poster) San Francisco, CA, October, 2022

Rainone G, Woodhouse C, Kramer D, Elhamdani S, **Leonardo J**. Endoscopic Third Ventriculostomy in Hydrocephalus Patients with Functioning Ventriculoperitoneal Shunts: Shunts Don't Treat All Hydrocephalus. Congress of Neurological Surgeons Annual Meeting, (Poster) San Francisco, CA, October, 2022

Meinert J, Locke K, Myers D, Yu A, **Leonardo J**. Endoscopic Third Ventriculostomy as Primary Treatment of Fourth Ventricle Outlet Obstruction in a Patient with Foramen Magnum Meningioma Providing

Updated 1/22/2023

Complete Resolution of Symptoms Delaying Definite Skull Base Resection by 3 Years. Tower Health Research Day (Online poster), Philadelphia, PA. October 12, 2022.

Mehta S, **Leonardo J.** Liliequist Membrane Encircling Basilar Artery during Endoscopic Third Ventriculostomy: A Case Report. Pennsylvania Neurosurgical Society's (PNS) 107th Annual Scientific Meeting (Poster), Hershey, PA. December 10-11, 2021.

Algattas H, McCarthy D, Kujawski B, Brown J, **Leonardo J**, Walsh K, Gross BA, Friedlander RM, Okonkwo DO, Whiting D, Miele VJ. Effects of Quarantine and Social Distancing During the COVID-19 Pandemic on Neurotrauma Presentations Among Western Pennsylvania Level I Trauma Centers. American Association of Neurological Surgeons Annual Meeting 2021, Section VI: Neurotrauma. (Oral) Orlando, FL. Aug 23 2021.

Cunningham C, **Leonardo J.** Rate of Subdural Hematoma Following Ventriculoperitoneal Shunt Placement While on Anticoagulants: A Study of 59 patients at a Single Center. Congress of Neurological Surgeons Annual Meeting, (Oral) Austin, TX, October, 2021

Cunningham C, Kujawski B, Elnacky M, **Leonardo J:** The Lumbar Tap Trial Experience: An Analysis of Outcomes in 133 Adult Normal Pressure Hydrocephalus Patients Undergoing 2-Day Lumbar Tap Trial at a Single Center. Congress of Neurological Surgeons Annual Meeting (Oral), Austin, TX, October, 2021

Cunningham C, **Leonardo J:** Rate of Infection following VP Shunt placement for Adult Normal Pressure Hydrocephalus. Congress of Neurological Surgeons Annual Meeting, (Poster) Austin, TX, October, 2021

Cunningham C, **Leonardo J:** Complications reported in an elective "2-Day Lumbar Tap Trial (LTT)" for a single Adult Hydrocephalus Center: An Update with 131 patients. Congress of Neurological Surgeons Annual Meeting, (Poster) Austin, TX, October, 2021

Kujawski B, Munoz A, Elnokaly M, **Leonardo J:** Auto-reprogramming of Programmable Differential Pressure Valves with and without an Active Locking Mechanism in Normal Pressure Hydrocephalus Patients. *Neurosurgery*, Volume 67, Issue Supplement_1, December 2020, nyaa447_489, https://doi.org/10.1093/neuros/nyaa447_489

Elnokaly M, Kujawski B, Munoz A, **Leonardo J:** Complications reported in an Elective "2-Day Lumbar Tap Trial (LTT)" for a Single Adult Hydrocephalus Center *Neurosurgery*, Volume 67, Issue Supplement_1, December 2020, nyaa447_486, https://doi.org/10.1093/neuros/nyaa447_486

Kujawski B, **Leonardo J:** Monitoring of Intra-Operative Intracranial Pressure During Intraventricular Endoscopy. Pennsylvania Neurosurgical Society Annual Meeting, (Poster) Hershey, PA, July 13, 2019.

Mambelli D, **Leonardo J**: Subdural hematoma development in elderly patients with NPH due to resetting by external magnetic field. Pennsylvania Neurosurgical Society Annual Meeting, (Poster) Hershey, PA, July 21, 2018.

Mambelli D, **Leonardo J**: Providing a Comprehensive Patient Experience and Longitudinal Care in an Adult Hydrocephalus Clinic: A Single Center Study. Congress of Neurological Surgeons Annual Meeting, (Poster) Houston, TX, October 6 -10, 2018.

Mambelli D, **Leonardo J**: Importance of the Second Day of Testing in a Two-Day Outpatient Lumbar Tap Trial (LTT). Congress of Neurological Surgeons Annual Meeting, (Poster) Houston, TX, October 6 -10, 2018.

Kreatsoulas D, Brentzel T, Lonich I, Saxer I, Baser B, **Leonardo J**: AHN Adult Hydrocephalus Center Experience; A Preliminary Analysis of Lumbar Tap Trial Prediction of Gait Improvement in Normal Pressure Hydrocephalus. Pennsylvania Neurological Society Annual Meeting, (Poster) Pittsburgh, PA, September 26, 2017.

Kreatsoulas D, **Leonardo J**: Intra-operative Complications and Extent of Capsular Resection Associated with the Swiveling Technique. Congress of Neurological Surgeons Annual Meeting, (Poster) Boston, MA, October 7-11, 2017.

Kreatsoulas D, **Leonardo J**: Stereotactically-placed Ventricular Catheter Assisted Endoscopic Fenestration for Management of Trapped Temporal Horn. Pennsylvania Neurosurgical Society Annual Meeting, (Poster) Hershey, PA, July 14-15, 2017.

Izzo R, Griffin N, Shaw R, **Leonardo J**, Reynolds R, Ionita C, Springer M: Development of a Non-Occluding Cerebral Shunt for the Treatment of Pediatric Hydrocephalus. Biomedical Engineering Society Annual Meeting, (Oral) Tampa, FL, October 7-10, 2015.

Grand W, **Leonardo J**. Endoscopic Third Ventriculostomy in 250 Adults at a Single Institution: Outcomes, Techniques, Complications, and Comparison to Ventriculo-peritoneal Shunts. European Association of Neurological Societies Annual Meeting, (Oral) Prague, Czech Republic, October 12-17, 2014.

Grand W, **Leonardo J**. The Application of Endoscopic Exploration of the Lateral Ventricles for Uncertain Lesions: Report of 16 Cases. European Association of Neurological Societies Annual Meeting, (Oral) Prague, Czech Republic, October 12-17, 2014.

Updated 1/22/2023

Fanous AA, Krishna C, Roger E, Siddiqui A, Levy E, **Leonardo J**, Pollina J. Impact of diagnostic spinal angiograms on surgical decision making in patients undergoing thoracolumbar corpectomy. Congress of Neurological Surgeons Annual Meeting, (Poster) Boston, MA, October 18-22, 2014.

Lipinski L, **Leonardo J**. A Case Report of a Synchronous Suprasellar and Pineal Region Glioblastoma Multiforme Mimicking a Germ Cell Tumor. Congress of Neurological Surgeons Annual Meeting, (Poster) Boston, MA, October 18-22, 2014.

Vaz, Cherie Lisa MD, **Leonardo, J**. MD, Mechtler, Laszlo MD, Balos, Lucia MD, Chaudhuri, Ajay MD: Idiopathic Cavernous Sinus Inflammation; The Tolosa-Hunt Syndrome with Sellar extension presenting with hypopituitarism. AACE 22nd Annual Scientific and Clinical Congress, (Poster) Phoenix AZ, May 1-5, 2013

Joh J, Grand W, Getzel J, **Leonardo J**: Fate of Failed ETV. AANS Annual Scientific Meeting (Poster) New Orleans, LA, April 27-May 1, 2013.

Marumganti A, Makdissi A, **Leonardo J**: Metastatic Renal Cell CA Mimicking a Pituitary Macroadenoma. American Association of Clinical Endocrinologists Annual Meeting (Poster) San Diego, CA, 2011.

Memon MZ, Hagan MC, Mian AY, Roger J, **Leonardo J**, Roger EP: Randomized Comparison of Translational Plates versus Rigid Plates in Multilevel Anterior Cervical Discectomy and Fusion (ACDF) – Preliminary Results (abstract 8144, final 1387). 2010 Congress of Neurological Surgeons Annual Meeting, (Poster) San Francisco CA, October 16-21, 2010.

Leonardo J, Li V: Prospective Review of a Single Center's General Pediatric Neurosurgical Intra-operative and Post-operative Complication Rates (Masters of Neuroendoscopy). World Congress of Neurological Surgery of the World Federation of Neurosurgical Societies (Oral), Boston, MA, August 30-Sept 9, 2009.

Leonardo J, Grand W: Delayed Arousal in Endoscopic Procedures: Possible Contributing Factors. Annual Meeting of the American Association of Neurological Surgeons (Poster), San Diego CA, May 2-6, 2009.

Leonardo J, Grand W: Episode of Electrical Silence Serendipitously Recorded by EEG during Endoscopic Resection of Colloid Cyst. Annual Meeting of the American Association of Neurological Surgeons (Poster), San Diego CA, May 2-6, 2009.

Grand W, Fabiano A, **Leonardo J**, “The Eyebrow Craniotomy: Technique and Applications.” Congress of Neurological Surgeons Annual Meeting (Poster), San Diego, 2007.

Leonardo J, Rozzelle C. “Pediatric Applications of Neuro-Endoscopy.” First Annual New York State Resident Neuro-Endoscopy Conference and Course (Oral), Dr. Walter Grand Neuroanatomy Laboratory, Buffalo 2007.

Harrigan M, **Leonardo J**, Hopkins LN, Guterman L. “Subtotal Endovascular Treatment of Aneurysms after Subarachnoid Hemorrhage.” Congress of Neurological Surgeons Annual Meeting (Poster), San Francisco 2004.

Leonardo J, Oh M, Jannetta P. “Long-term Results of Microvascular Decompression for the Treatment of Glossopharyngeal Neuralgia.” American Association of Neurological Surgeons Annual Meeting (Poster), Chicago 2002.

P. Presentations

International

Neurointerventional Endovascular and Neurological Symposium: Department of Neurosurgery - Tuzla, Bosnia Herzegovina

Live Surgeries: Endoscopic Third Ventriculostomy

Invited Speaker: “Endoscopic Third Ventriculostomies,” “Endoscopic Transnasal Transphenoidal Approach to Sellar and Parasellar Lesions”
October 2014

Philippine Advanced Neuro-Endoscopy Symposium: Neurosurgery Outreach Foundation - Manila, Philippines

Live Surgeries: Endoscopic Transnasal Transphenoidal Pituitary Tumor Resection, Endoscopic Transnasal Transphenoidal Arachnoid Cyst Resection

Invited Speaker: “Practical Considerations in Intracranial Endoscopic Surgery,” “Intraventricular Tumors,” “Practical Considerations for Skull Base Endoscopy,” “Sellar Neuroendoscopy,” “Parasellar Neuroendoscopy,” “Skull Base Closure and Reconstruction”
June 2014

National

Aesculap Cerebrospinal Fluid Dynamics, Disorders, and Dilemmas (CSF 3D Course)

Pittsburgh, PA

October 21, 2022:

“Cerebrospinal Fluid Dynamics”

“Introduction to Neuroendoscopy”

“Endoscopic Third Ventriculostomy”

October 22, 2022:

“Endoscopic Approach to Colloid Cysts”

“Endoscopic Approach to Arachnoid Cysts”

“Endoscopic Septum Pellucidum Fenestration”

“Neuroendoscopy Complications”

Global Neurosciences Institute Neurosurgical Department Grand Rounds; Philadelphia, PA

Invited Visiting Professor: “Endoscopic Third Ventriculostomies”

September 16, 2022

Ochsner Neurosurgical Department Grand Rounds; New Orleans, LA

Invited Visiting Professor: “The Pars Paper: Perceptions verses

Misconceptions ~ Training the Modern Day Neurosurgical Resident”

September 9, 2022

Mayo Clinic Jacksonville Grand Rounds; Jacksonville, Florida

Invited Visiting Professor: “The Pars Paper: Perceptions verses

Misconceptions ~ Training the Modern Day Neurosurgical Resident”

July 11, 2022

AHN Department of Neurosurgery Sub-Intern Prep Course

Invited Faculty and Panelist

“Neurosurgical Sub-internship: From the Perspective of a Program Director”

May 7, 2022

Medical Student Neurosurgery Training Center (MSNTC); East Virtual Training Camp

Invited Faculty and Panelist

“Being Successful in the Match: Sub-internships and the Application Process”

May 7, 2022

Dr. Walter Grand Neurosurgical Forum; Jacksonville, Florida,

Invited Speaker: “The Pars Paper: Perceptions verses Misconceptions ~ Training the Modern Day Neurosurgical Resident.”

April 25, 2022

Khaled Aziz Microscopic/Endoscopic Skull Base Surgery Course; Pittsburgh, PA.

Invited Speaker: “Intraventricular Endoscopic Anatomy”

November 5, 2021

Updated 1/22/2023

AMSER (Alliance of Medical Student Educators in Radiology) - Case of the Month

“25-year-old female with galactorrhea, amenorrhea, fatigue, and ‘squeezing’ pressure in head”

Case Contributor

July 2021

Aesculap Mobile Learning Lab

Intracranial Neuroendoscopy

Clinical and Surgical Thoughts and Pearls

June 23, 2021

Aesculap Academy Digital Dialogue From Diagnosis to Clinic – Panel Discussion of Adult Hydrocephalus

Invited Speaker: “Hydrocephalus: Diagnosis and Management”

December 2, 2020

Khaled Aziz Microscopic/Endoscopic Skull Base Surgery Course; Pittsburgh, PA.

Invited Speaker: “Endoscopic Anatomy” and “Pineal Gland Approaches”

November 2020 (*Postponed due to COVID-19 Pandemic*)

Dr. Walter Grand Neurosurgical Forum; Jacksonville, Florida,

Invited Speaker: “AHN Adult Hydrocephalus Center – Lumbar Tap Trail for Normal Pressure Hydrocephalus.”

April 2020 (*Postponed due to COVID-19 Pandemic*)

Aesculap Annual Meeting

Invited Panelist: “Shunt Perspectives”

February 13, 2020

Khaled Aziz Microscopic/Endoscopic Skull Base Surgery Course; Pittsburgh, PA.

Invited Speaker: “Endoscopic Anatomy” and “Pineal Gland Approaches”

November 14-16, 2019

Dr. Walter Grand Neurosurgical Forum; Jacksonville, Florida,

Invited Speaker: “Monitoring of Intra-Operative Intracranial Pressure During Intraventricular Endoscopy.”

April 25-27, 2019

Dr. Walter Grand Neurosurgical Forum; Jacksonville, Florida,

Invited Speaker: “Dr. Walter Grand, In Memorial”

April 25-27, 2019

Khaled Aziz Microscopic/Endoscopic Skull Base Surgery Course;
Pittsburgh, PA.

Invited Speaker: “Endoscopic Anatomy” and “Pineal Gland Approaches”

November 16 and 17, 2018

American Association of Neurological Surgeons Goodman Oral Board Review Course; American Association of Neurological Surgeons - Houston, TX

Invited Speaker: “Plenary Session ~ Tumors”

May 4, 2018

Dr. Walter Grand Neurosurgical Forum; Jacksonville, Florida,

Invited Speaker: “Adult Hydrocephalus Center: A Single Center Experience”

April 20, 2018

Eleventh Annual Microscopic/Endoscopic Skull Base Surgery Course and Vascular Bypass Animal Lab; Pittsburgh, Pa,

Invited Speaker: “Lateral Ventricular Tumor: Complications and Avoidance”

November 17, 2017

Ochsner Neurosurgical Department Grand Rounds; E-lecture; New Orleans, LA,

Invited Speaker: “A Whole New World; Neuroendoscopic Tumor Resection”

July 21, 2017

American Association of Neurological Surgeons Goodman Oral Board Review Course; American Association of Neurological Surgeons - Houston, TX

Invited Speaker: “Plenary Session ~ Tumors”

May 5, 2017

Dr. Walter Grand Neurosurgical Forum; Jacksonville, Florida,

Invited Speaker: “Pure Endoscopic Colloid Cyst Resection; Reflections and Personal Experience”

March 31, 2017

Tenth Annual Microscopic/Endoscopic Skull Base Surgery Course and Vascular Bypass Animal Lab; Pittsburgh, Pa,

Invited Speaker: “Lateral Ventricular Tumor: Complications and Avoidance”

November 11, 2016

Mayo Clinic’s Microsurgical and Endoscopic Cranial Base Approach to Aneurysms and Skull Base Diseases; Jacksonville, FL

Updated 1/22/2023

Invited Speaker: “Basics of the Endoscopic Approach to the Sellar and Parasellar Area”
August 20, 2016

Mayo Clinic’s Microsurgical and Endoscopic Cranial Base Approach to Aneurysms and Skull Base Diseases; Jacksonville, FL,
Invited Speaker: “Management of Intraoperative Complications”
August 20, 2016

American Association of Neurological Surgeons Goodman Oral Board Review Course; American Association of Neurological Surgeons - Houston, TX,
Invited Speaker: “Plenary Session ~ General Tumors”
April 16, 2016

American Association of Neurological Surgeons Goodman Oral Board Review Course; American Association of Neurological Surgeons - Houston, TX,
Invited Speaker: “Plenary Session ~ General Tumors”
November 8, 2015

American Association of Neurological Surgeons Goodman Oral Board Review Course; American Association of Neurological Surgeons - Houston, TX,
Invited Speaker: “Plenary Session ~ General Tumors”
May 18, 2015

Allegheny General Hospital Visiting Professor Grand Rounds; Pittsburgh, PA,
Invited Visiting Professor: “*A Dutch Fellowship-trained American Neurosurgeon’s Perspective.... Endoscopic Transnasal Transphenoidal Approach to Pituitary Lesions*”
April 8, 2015

Jacksonville Neurological Forum; Jacksonville, Florida,
Invited Speaker: “Neurosurgery in the Philippines”
March 2015

Jacksonville Neurological Forum; Jacksonville, Florida,
Invited Speaker: “Solving the Pseudotumor Dilemma: Review, Update, and Lessons Learned”
March 2014

Jacksonville Neurological Forum; Jacksonville, Florida,
Invited Speaker: “AANS Oral Board Certification Process”
March 2013

Jacksonville Neurological Forum; Jacksonville, Florida,

Invited Speaker: “A Netherland Fellowship Trained American Neurosurgeon’s Perspective on Endoscopic Skull Base Procedures”
March 2011

Annual Meeting of the American Association of Neurological Surgeons;
American Association of Neurological Surgeons – Philadelphia, PA,
Invited Speaker: “Endoscopic Endonasal Transphenoidal Approach”
May 2010

World Congress of Neurological Surgery; World Federation of Neurosurgical Societies – Boston, MA,
Invited Speaker: “Masters of Neuroendoscopy Session: Endoscopic Transnasal Odontoidectomy ”
August 2009

Regional

AHN Neurosurgery Written Board Review Series;
“High Yield - Pituitary”
January 17, 2022

AHN Neurosurgery APP Lecture Series;
“Intracranial Hypotension and Spontaneous CSF Leaks”
November 10, 2022

AHN Neurology Board Review;
“Blood Brain Barrier and Cerebral Spinal Fluid”
November 9, 2022

AHN Neuroscience Grand Rounds;
“The Pars Paper: Perceptions verses Misconceptions ~ Training the Modern Day Neurosurgical Resident”
July 6, 2022

Pennsylvania Pain Society Annual Meeting; Pittsburgh, PA.
Invited Speaker and Panelist: “Headaches”
June 10, 2022.

AHN Nursing Lunch and Learn Series;
“Lumbar Drains – Management and Complications”
June 1, 2022

AHN Medical Grand Rounds;
“Management of Derangements of Water Balance in Peri-operative Pituitary Patients”
February 2, 2022

AHN Neuroscience Grand Rounds;
“Management of Derangements of Water Balance in Peri-operative
Pituitary Patients”
February 2, 2022

AHN Neurosurgery Written Board Review Series;
“High Yield - Pituitary Lesions 2020”
January 18, 2022

AHN Nursing Lunch and Learn Series;
“Hydrocephalus and External Ventricular Drains”
September 15, 2021

AHN Neurosurgery APP Lecture Series;
“Pituitary Apoplexy”
September 16, 2021

AHN Medical Grand Rounds;
Prolactinomas
September 1, 2021

AHN Neuroscience Grand Rounds;
Prolactinomas
September 1, 2021

AHN Neurology Board Review;
“Blood Brain Barrier and Cerebral Spinal Fluid”
June 16, 2021

AHN Medical Grand Rounds;
“Cushing’s Disease – A Patient’s Rare Perspective”
March 3, 2021

AHN Neuroscience Grand Rounds;
“Cushing’s Disease – A Patient’s Rare Perspective”
March 3, 2021

AHN Neurosurgery APP Lecture Series;
“Hydrocephalus”
November 10, 2020

Carnegie Mellon University Bioengineering Medical Device Class – Virtual
Presentation;
“Hydrocephalus ~ A Beautiful Complexity: Ventricular Peritoneal Shunts”
October 21, 2020

AHN Neurosurgery Resident Lecture Series;

“Hydrodynamics”
August 18, 2020

Pennsylvania Neurosurgical Society Future of Health Care Webinar;
Moderator
August 26, 2020

AHN Neurosurgery APP Lecture Series; “Pituitary 101”
August 13, 2020

AHN Department of Endocrinology Grand Rounds;
“Endoscopic Endonasal Management of Pituitary Tumors”
August 12, 2020

AHN Neurosurgery Resident Lecture Series;
“Confidential Realia”
June 24, 2020

AHN Neurosurgery Resident Lecture Series;
“Colloid Cysts”
June 24, 2020

Carnegie Mellon University Bioengineering Medical Device Class;
“Hydrocephalus ~ A Beautiful Complexity: Ventricular Peritoneal Shunts”
February 26, 2020

AHN Emergency Medicine Lecture;
“Pituitary Lesions – When to Admit and Consult”
January 30, 2020

AHN Neurology Board Review;
“Blood Brain Barrier and Cerebral Spinal Fluid”
January 29, 2020

AHN Neurosurgery Written Board Review Series;
“High Yield - Pituitary Lesions 2020”
January 21, 2020

AHN Pituitary Center Multidisciplinary Endocrine Tumor Conference;
“Pituitary Hypophysitis”
November 6, 2019

Carnegie Mellon University Bioengineering Medical Device Class;
“Hydrocephalus ~ A Beautiful Complexity: Shunts”
October 16, 2019

AHN Neurosurgery APP Lecture Series;
“Lumbar Drain Scenarios and Management”
August 1, 2019

AHN Pituitary Center Multidisciplinary Endocrine Tumor Conference;
“Secretory Tumors”
May 5, 2019

AHN Neurosurgery APP Lecture Series;
“Hydrocephalus”
May 2, 2019

AHN Multidisciplinary Pituitary Conference;
“Cushing’s Disease”
May 1, 2019

Carnegie Mellon University Bioengineering Medical Device Class;
“Hydrocephalus: Understanding Medical Devices”
March 6, 2019

AHN Neurosurgery Written Board Review Series;
“Pituitary Tumors”
January 29, 2019

AHN Neurosurgery APP Lecture Series;
“Basic MRI Interpretation”
December 6, 2018

AHN Multidisciplinary Pituitary Conference;
“Understanding Acromegaly”
December 5, 2018

Carnegie Mellon University Bioengineering Medical Device Class;
“Hydrocephalus: A Beautiful Complexity”
October 17, 2018

AHN Nursing Grand Rounds;
“Hydrocephalus”
October 9, 2018

Pennsylvania Neurosurgical Society;
“High Impact Literature: Hydrocephalus and Minimally Invasive
Surgery”
July 21, 2018

AHN Multidisciplinary Pituitary Conference;
“Pituitary Puzzlers”
May 16, 2018

Carnegie Mellon University Bioengineering Medical Device Class;
“Hydrocephalus: A Beautiful Complexity”
February 28, 2018

AHN Neurosurgical Resident Written Boards Review;
“Pituitary Boards”
February 27, 2018

AHN Anesthesia Grand Rounds;
“Neuroendoscopy: Anesthesia Considerations”
February 13, 2018

Allegheny General Hospital Nursing Grand Rounds;
“Hydrocephalus”
December 12, 2017

Carnegie Mellon University Bioengineering Medical Device Class;
“Introduction to Neurosurgery ~ Laboratory Lecture and Demonstration”
November 17, 2017

Carnegie Mellon University Bioengineering Medical Device Class;
“Hydrocephalus ~ A Beautiful Complexity”
October 4, 2017

Allegheny General Hospital Neurosurgical Residents Educational Conference,
“Pituitary Boards”
March 7, 2017

Allegheny Health Network Marketing Department Symposium,
“Adult Hydrocephalus”
February 14, 2017

Allegheny General Hospital Nursing Grand Rounds;
“Lumbar Drains and Hydrocephalus”
December 7, 2016

Allegheny General Hospital Emergency Medicine Grand Rounds;
“Neuroanatomy 101”
September 28, 2016

Allegheny General Hospital Neuroscience Institute Grand Rounds;
“Intracranial Endoscopy: A Whole New World”
September 14, 2016

Allegheny General Hospital Neurosurgical Resident Case Presentation Series;
“Case Presentations”
July 19, 2016

Allegheny General Hospital Neurosurgical Resident Case Presentation Series;
“Case Presentations”
June 28, 2016

University at Buffalo Medical School; Endocrine Series Lecture
“Pituitary Lesions: Endoscopic Transnasal Transphenoidal Surgery”
February 22, 2016

Diabetes and Endocrinology of Western New York, University at
Buffalo;
“Neuroimaging 101”
August 14, 2015

University at Buffalo Medical School; Endocrine Series Lecture,
“Endoscopic Transnasal Transphenoidal Pituitary Surgery”
February 22, 2015

Department of Neurosurgery, University at Buffalo Grand Rounds;
“ABNS Oral Neurosurgical and Mock Oral Examinations”
August 7, 2014

Buffalo General Hospital Nursing In-service;
“MISTIE Trial: Nursing Issues and Involvement”
July 8, 2014

Department of Neurosurgery, University at Buffalo Grand Rounds,
“MISTIE Trial: Update”
June 26, 2014

Department of Neurosurgery, University at Buffalo Grand Rounds,
“Philippine Endoscopic Experience,=”
June 19, 2014

Department of Neurosurgery, University at Buffalo Grand Rounds,
“Solving the Pseudotumor Dilemma: Review, Update, and Lessons
Learned”
April 4, 2014

Buffalo Public School #33; Invited presenter and anatomical
demonstrator, “Introduction to Neuroanatom,”
February 14, 2014

Department of Ear, Nose, and Throat Surgery, University at Buffalo;
Grand Rounds,
“A Netherland Fellowship Trained American Neurosurgeon’s
Perspective on Endoscopic Skull Base Procedures”
October 17, 2013

Health Sciences Charter School MASH Camp; Invited presenter and
anatomical demonstrator, “Introduction to Neuroanatomy”
October 3, 2013

Updated 1/22/2023

Department of Neurosurgery, University at Buffalo; Resident Teaching Session,
“Adult Hydrocephalus”
October 3rd, 2013

Diabetes and Endocrinology of Western New York, University at Buffalo; Resident Teaching Session,
“Neuroimaging 101”
August 23, 2013

Health Science Charter School Faculty; Invited presenter and anatomical demonstrator,
“Introduction to Neuroanatomy”
August 16, 2013

Department of Neurosurgery, University at Buffalo;
Grand Rounds, “A Whole New World ~ Advancing Surgical Techniques: Minimally Invasive Neuroendoscop,”
May 30, 2013

Health Science Charter High School;
“Health Sciences ~ Looking Towards the Future,”
May 13, 2013

Department of Neurosurgery, University at Buffalo; Multidisciplinary Pituitary Conference,
“Pituitary Puzzlers”
March 21, 2013

Health Science Charter School; Student Lecture Session,
“Hopes, Dreams and the Future”
February 4, 2013

Department of Neurosurgery, University at Buffalo Grand Rounds, “The Hunger Games - AANS Oral Boards”
January 31, 2013

Women at Pepsi Bottling Company Quarterly Meeting;
“Neurological Diseases Affecting Women and Children”
February 21, 2012

Diabetes and Endocrinology of Western New York, University at Buffalo; Resident Teaching Session,
“Pituitary Imaging”
February 10, 2012

Department of Neurosurgery, University at Buffalo; Multidisciplinary Pituitary Conference,
“Cushing’s Disease”

January 19, 2012

Department of Neurosurgery, University at Buffalo; Multidisciplinary Pituitary Conference,
“Acromegaly”
November 17, 2011

Olean General Hospital; Grand Rounds,
“Cervical Spondylosis with Myelopathy”
August 30, 2011

WCA Hospital; Grand Rounds,
“Cervical Spondylosis with Myelopathy”
May 25, 2011

Department of Neurosurgery, University at Buffalo; Grand Rounds,
“Cervical Spondylosis with Myelopathy”
February 3, 2011

Department of Neurosurgery, University at Buffalo; Grand Rounds,
“Pituitary Imaging”
January 21, 2011

Kaleida Health; State-Of-The-Art Neuroscience Symposium,
“A Whole New World ~ Advancing Surgical Techniques”
October 1, 2010

WCA Hospital Grand Rounds
“Minimally Invasive Endoscopic Brain Surgery”
July 21, 2010

Millard Fillmore Suburban Hospital; Healthy U Education Series,
“Cervical Pain”
July 15, 2010

Department of Neurosurgery, University at Buffalo Grand Rounds,
“Neuroimaging”
May 26, 2010

Department of Neurosurgery, University at Buffalo; Grand Rounds,
“Endoscopic Management of Hydrocephalus”
April 8, 2010

Department of Neurosurgery, University at Buffalo; Grand Rounds,
“Pituitary Tumors”
February 19, 2010

Veterans Administration Medical Center; Grand Rounds,
“Intracranial Hemorrhages”

April 16, 2009

Department of Neurosurgery, University at Buffalo; Grand Rounds,
“Intracranial Hemorrhages”

April 16, 2009

Erie County Medical Center, Department of Medicine; Grand Rounds,
“Intracranial Hemorrhages”

April 17, 2009

Physicians Association of Western New York; Invited Speaker,
“Minimally Invasive Intracranial Endoscopy”

November 10, 2009

Q. Conference Participation

Invited

Drexel University 2022 Faculty Professional Development Day;
Philadelphia, PA, June 9, 2022.

Allegheny Health Network Medical Education Consortium, Graduate
Medical Education Retreat; Pittsburgh, PA, April 2020 (Cancelled due to
COVID-19 Pandemic)

Allegheny Health Network Medical Education Consortium, Graduate
Medical Education Retreat; Pittsburgh, PA, November 2017.

Pittsburgh Spine Summit; *Invited Faculty and Laboratory Proctor*;;
Pittsburgh, Pa, August 2017.

AANS Leadership Development Course (*Selected Participant*) – Los
Angeles, California, April 2017.

Allegheny Health Network Medical Education Consortium, Graduate
Medical Education Retreat; Pittsburgh, PA, November 2016.

Senior Society of Neurosurgeons – Miami, FL, June 2015.

Senior Society of Neurosurgeons – Atlanta, GA, May 2014.

Normal Pressure Hydrocephalus Conference – Berlin, Germany,
September 2013.

Neurosurgical Senior Society – Boston, MA, June 2013.

Nuvasive East Marquis Visit Program – Paramus, NJ, December 2012.

Neurosurgical Society of America – Park City, UT, June 2012.

Senior Society of Neurosurgeons – Atlanta, GA, May 2012.

Jacksonville Neurological Forum – Ponte Vedra, Florida, March 2010.

Jacksonville Neurological Forum – Ponte Vedra, Florida, March 2009.

Complications in Spine Surgery - Teton Village, WY, August 2009.

Jacksonville Neurological Forum – Ponte Vedra, Florida, March 2008.

Attended

Pennsylvania Neurosurgical Society – Hershey, PA, July 2022.

Drexel University CV Workshop – Virtual, June 2022.

American Society of Neuroradiology – Update on Normal Pressure Hydrocephalus – ZOOM, March 2, 2022.

Pennsylvania Neurosurgical Society – Hershey, PA, December 2021.

Pennsylvania Neurosurgical Society – Hershey, PA, July 2019.

University of Pittsburgh Principles and Practice of Gamma Knife Radiosurgery Perfexion/ICON Training – June 17-21, 2019.

Pennsylvania Neurosurgical Society – Hershey, PA, July 2018.

Pennsylvania Neurosurgical Society – Hershey, PA, July 2017.

ACGME Annual Educational Conference – Washington, DC, February 2014.

State-of-the-Art Endoscopic Skull Base Surgery Course – Columbus, OH, October 2013.

Goodman Oral Board Review – Houston, TX, November 2012.

Congress of Neurological Surgeons – Washington, D.C., October 2011.

Intraventricular and Skull Base Neuroendoscopy Course – Atlanta, GA, June 2011.

Cleveland Spine Review – Cleveland, OH, July 2009.

Updated 1/22/2023

Endoscopic Transnasal Approaches to the Skull Base – Trier, Germany,
November 2008.

Neuroendoscopic Training Course – Vienna, Austria, November 2008.