



**MILITARY:** none

**ACADEMIC APPOINTMENTS:**

Clinical Assistant Professor; Rutgers Department of Neurological Surgery, July 2017-March 2020

Affiliated Faculty of Biomedical Engineering Department; New Jersey Institute of Technology; April 2021- current

**HOSPITAL APPOINTMENTS:**

Hackensack University Medical Center; Pediatric Neurosurgeon  
July 2002 – Present

Atlantic Health Systems – Morristown Medical Center, Goryeb Children’s Hospital and Overlook Hospital  
Director, Pediatric Neurological Surgery  
July 2005 – February 2019

St. Barnabas Medical Center  
Pediatric Neurosurgeon  
July 2005 - Present

Kessler Institute of Rehabilitation  
Neurosurgeon, Consulting Medical Staff  
May 2009 - 2018

Children’s Specialized Hospital  
Neurosurgeon, Consulting Medical Staff  
September 2014 – Present

University Hospital  
Neurological Surgeon  
Newark, New Jersey  
July 2017 - Present

**OTHER EMPLOYMENT OR MAJOR APPOINTMENTS:**

NJ Craniofacial Center  
Founder; Director  
Morristown, NJ  
February 2019 - Current

Craniofacial and Plagiocephaly Center  
Atlantic Health Systems – Goryeb Children’s Hospital  
Founder and Co-Director  
July 2005 – February 2019

Pediatric Spasticity and Gait Disorder Center  
Atlantic Health Systems – Goryeb Children’s Hospital  
Founder and Co-Director  
January 2013 – February 2019

Pediatric Brain and Spine Tumor Center  
Atlantic Health Systems – Goryeb Children’s Hospital  
Founder and Co-Director  
January 2012 – February 2019

**PRIVATE PRACTICE:**

New Jersey Pediatric Neuroscience Institute  
President and Chief Executive Officer / Pediatric Neurosurgeon  
July 2009 – present

**OTHER EXECUTIVE POSITIONS:**

U.S. Medical Credentialing Company; founded 2011  
President & CMO; Co-founder

MedEChat; founded 2018  
Co-founder & CMO

**LICENSURE:**

State of New Jersey, Medical License # 64816  
September 1996 - current

State of Pennsylvania, Medical License: MD-073624L  
June 2001 (expired, not renewed)

**DRUG LICENSURE:** *(numbers available upon request)*

CDS: exp 10/31/2021  
DEA: exp 04/30/2024

**CERTIFICATION:** American Board of Neurological Surgery/26096 exp. 12/2026  
American Board Pediatric Neurological Surgery 07-0128 exp. 12/2026

**MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:**

American Association of Neurological Surgeons (AANS); Member, 1997 – Current

AANS/ Congress of Neurological Surgeons (CNS) Council of State Neurosurgical Societies; Member  
2002 – Current

AANS/ Congress of Neurological Surgeons (CNS) Council of State Neurosurgical Societies; Chair,  
Medicolegal Committee, 2019 – 2021

AANS/ Congress of Neurological Surgeons (CNS) Council of State Neurosurgical Societies; Treasurer,  
2021 - 2023

AANS/ Congress of Neurological Surgeons (CNS) Council of State Neurosurgical Societies;  
Corresponding Secretary, 2023 - current

AANS/ CNS Section of Pediatric Neurological Surgery; Member, 2001- Current

AANS/ CNS Section of Pediatric Neurological Surgery; Co-Chair Diversity Committee, 4/2021- Current

American Board of Neurological Surgeons (ABNS); Guest Examiner and Scholar in Residence; August 2017 – 2019

American Cleft Palate and Craniofacial Association; Member, 2007- Current

American Medical Association; Member, January 1990- Current

American Medical Association – Women Physician Congress; Member, January 2003-Current

American College of Radiology Committee on Diagnostic Imaging: Imaging of Pediatric Head Trauma and Appropriateness Criteria; AANS Representative; June 2013 – 2019

American Society of Pediatric Neurological Surgeons (ASPN); Member, 2009 – Current

Bergen County Medical Society; Member, January 2002- January 2010

Congress of Neurological Surgeons (CNS); Member, 1997-Current

International Society of Pediatric Neurosurgery; Member; 2005-Current

Lions Club of Franklin Lakes, NJ; 2015- Current

Medical Society of New Jersey; Member, 2003 – Current

Medical Society of New Jersey; Member-At-Large, Board of Directors, 2019 – 2022

Medical Society of New Jersey; District 1 Trustee, Board of Directors, 2022 - Current

Morris County Medical Society Member; 2010 – Current

Morris County Medical Society Executive Board; Member-at-Large; 2015 - Current

Morris County Medical Society; Secretary June 2018-2020

New Jersey Neurosurgical Society; Member, 2001-Current

New Jersey Neurosurgical Society; Advisory Board March 2017 – December 2019

Republican Club of Franklin Lakes, 2013 – Current

Sigma Xi Research Society; Member, January 1989 - January 2002

#### **HONORS AND AWARDS:**

“2019 Humanitarian Award” from the Hope for Children Research Foundation  
March 2019

Medical Society of NJ Biennial Quality Recognition Award  
May 2015

“Spirit of Community” Service Award Honoree Community Blood Services  
October 2011

**BOARDS OF DIRECTORS/TRUSTEES POSITIONS:**

Executive Committee; Council of State Neurosurgical Societies; 2007 – Current

Executive Committee; Morristown Medical Staff Organization; January 2018 – 2022

Board Member of Executive Committee; Congress of Neurological Surgeons; 2008-2013

Board Member; Medical Society of New Jersey; May 2019 – Current

Board Member: Push to Walk; November 2017 – Current

Medical Advisory Board for the Hydrocephalus Association; August 2015 - 2019

Medical Advisory Board for the International Chiari Association; May 2014 - 2019

Executive Committee; AANS/ CNS Section of Pediatric Neurosurgery; 9/08 – Present

Executive Committee; Morris County Medical Society; Member at Large; 2015 – Current

NJIT Biomedical Engineering Department Advisory Board; April 2023 - current

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:**

American Association of Neurological Surgeons (AANS)/ Congress of Neurological Surgeons (CNS) - Joint Guidelines Committee; 2009 – 2019

AANS Neurosurgeon Editorial Board; September 2013 – 2016

AANS NREF Development Committee; 2015 – 2017

AANS Nominating Committee; 2016- May 2019

American College of Radiology (ACR): Committee on Diagnostic Imaging Appropriateness Criteria; AANS Representative; June 2013 – current (4-year term)

Co-Chair, Annual Meeting Scientific Planning Committee for the Section of Pediatric Neurosurgery of the AANS/ CNS; 2014- 2016

Annual Meeting Scientific Planning Committee of the Congress of Neurological Surgeons (CNS); 2010 – 2013

Associate Editor, Congress Quarterly; 2012 – 2014

Chair; AANS/ CNS Section of Pediatric Neurological Surgery Guidelines Committee; 12/15 – 12/18

Chair; AANS Ethics Committee and Liaison to the Nominating Committee; May 2016 – May 2019

Chair; Joint Brain Death Task Force; AANS/ CNS Joint Guidelines Committee; 2008 – 2013

Chair, CNS Bylaws Committee; 2010-2013

Chair; CNS – Resident Membership Committee; 4/09 – 10/10

Chair; Council of State Neurosurgical Societies (CSNS) – Northeast Quadrant; 4/11 – 4/14

Chair; CSNS – Medico-legal Committee; 2014 - 2016

Chair; CSNS – Workforce Committee; 4/09 – 4/11

Chair, CSNS – Young Physicians Committee; 4/07 – 4/09

CSNS Awards Committee; 2011-2014

CSNS Leadership Development Committee; 2011-2014

CSNS Membership and State Societies Committee; 2011- 2014

CSNS Nominating Committee; 2011-2014

CSNS Rules and Regulations Committee; 2011- 2014

Education Committee of the CNS; 2009 - Current

Instructor for CNS Oral Board Remediation Course; 2009 – 2013

Information Technology & Web Committee CNS; 2010 – 2013

Member-At-Large; Political Action Committee (PAC) of the AANS/ CNS; 10/10 – Current

Reviewer of Scientific Abstracts for CNS and AANS annual meetings; 2008 – 2013

Reviewer for *Advances in Medical Education and Practice*; 5/2019 – Current

Reviewer for Child's Nervous System; 2023 - Current

Reviewer for NEUROSURGERY; 2019- Current

Reviewer for PEDIATRICS; 2022 - Current

Reviewer for *Pediatric Neurosurgery*; 2020 – Current

Reviewer for *World Neurosurgery*; 2015 – Current

Vice-Chair; Council of State Neurosurgical Societies - Northeast Quadrant; 4/08 – 4/11

Vice-Chair; Congress of Neurological Surgery – Membership Committee; 4/08 – 4/09

#### **SERVICE ON HOSPITAL COMMITTEES:**

Hackensack University Medical Center – Trauma Committee 2014 – 2018

Morristown Medical Center – Medical Executive Committee; Member-at-Large; 2018 – 2020

Morristown Medical Center - Bylaws Committee; 2020- Current

Morristown Medical Center - Credentials Committee; 2020- Current

Morristown Medical Center – Operating Room Committee; February 2015 – February 2019

Morristown Medical Center – Medical Executive Committee; Treasurer; 2020 - Current

Morristown Medical Center – Trauma Committee; 2007- 2020

Morristown Medical Center - Pediatric Trauma Committee; 2011- Current

University Hospital – Pediatric Trauma Committee; 2019- current

### **TEACHING RESPONSIBILITIES:**

Lectures or Course Directorships:

Mazzola CA: Pediatric Neurosurgery Procedure Coding. Section of Pediatric Neurosurgery; AANS/ CNS; August 17, 2021.

Mazzola CA: Toe walking, spastic diplegia, hemiparesis, and gait analysis: Assessing gait in an objective and analytical manner. Department of Pediatrics; Grand Rounds. Morristown Medical Center. April 14, 2021

Mazzola CA. Cranioplasty Considerations in the Developing Child. Department of Oral-Maxillofacial Surgery; Rutgers/ New Jersey Medical School; Newark, NJ, March 17, 2021.

Mazzola CA: Post-hemorrhagic Hydrocephalus, the DRIFT study, and Ventricular Lavage. Department of Pediatrics; Grand Rounds. Morristown Medical Center. March 10, 2021

Mazzola CA: Plagiocephaly and Craniosynostosis: When the baby’s head shape is not quite right. Rutgers, Children’s Hospital of NJ; Department of Pediatrics Grand Rounds Lecture; February 24, 2021.

Mazzola CA: GENERAL SESSION III: Diversity in Pediatric Neurosurgery, American Society of Pediatric Neurological Surgery, January 29, 2021.

Mazzola CA. Pediatric Polytrauma and the Route 80 Bus Accident: Lessons Learned by a Pediatric Neurosurgeon. Rutgers New Jersey Medical School, Department of Surgery, Division of Trauma and Surgical Critical Care, Trauma Grand Rounds. May 13, 2020

Mazzola CA. “Congress of Neurological Surgeons NEW Spina Bifida Guidelines and How they Will Change Our Management Strategies.” Department of Pediatrics Grand Rounds; RWJ Newark Beth Israel Hospital. Newark, NJ, October 30, 2019.

Mazzola CA. “Pediatric Movement Disorders: A Neurosurgical Perspective.” Department of Pediatrics; Rutgers/ New Jersey Medical School; Newark, NJ, May 1, 2019.

Mazzola CA. Craniosynostosis and Plagiocephaly. Department of Oral-Maxillofacial Surgery; Rutgers/ New Jersey Medical School; Newark, NJ, March 13, 2019.

Mazzola CA: Spina Bifida for Neonatologists. Department of Pediatrics; Division of Neonatology; Grand Rounds. Morristown Medical Center. February 27, 2019.

Mazzola CA. Multidisciplinary approach to the Management of Spasticity: The Goryeb Spasticity and Gait Disorders Center. Grand Rounds, Department of Pediatrics; Goryeb Children’s Hospital, July 26 and 27, 2018.

Mazzola CA. Advances in Non-invasive Neurosurgery. Atlantic Health Systems Perioperative Nursing Symposium, November 11, 2017

Mazzola CA. Pediatric Hydrocephalus Guidelines; Department of Pediatrics; Goryeb Children’s Hospital, October 3, 2017

Mazzola CA. Neurosurgical Management of Pediatric Brain Tumors; Grand Rounds, Department of Pediatrics; Goryeb Children's Hospital, April 27, 2017

Mazzola CA. The New Pediatric Hydrocephalus Guidelines. Department of Pediatrics; Rutgers/ New Jersey Medical School; Newark, NJ, December 21, 2016

Mazzola CA. Neuropathology of Pediatric Brain Tumors; Grand Rounds, Department of Pathology; Rutgers/ NJMS; Newark, NJ; December 14, 2016

Mazzola CA. Spina bifida and hydrocephalus. Presentation for the Spina Bifida Resource Network, October 22, 2016

Mazzola CA. The Pediatric Hydrocephalus Guidelines. Goryeb Children's Hospital; Department of Pediatrics Grand Rounds, October 13, 2016

Mazzola CA. Pediatric Head Trauma: Review of the Guidelines. Thomas Jefferson Hospital, Department of Neurological Surgery Visiting Professor, September 30, 2016.

Pediatric Resident Lecture: The Current Guidelines for the Management of Hydrocephalus in Infants and Children. Goryeb Children's Hospital; September 16, 2015.

Mazzola CA. The Pediatric Hydrocephalus Guidelines. Hackensack University Medical Center; Division of Neonatology; September 15, 2016.

The Current Guidelines for the Management of Hydrocephalus in Infants and Children. Grand Rounds, Department of Pediatrics, St. Barnabas Medical Center; August 4, 2015.

Let's Talk About Concussion in Kids  
Bergen County School Nurses Association; March 16, 2015.

Pediatric ICU Nursing Lecture: The Current Guidelines for the Management of Hydrocephalus in Infants. Goryeb Children's Hospital; March 3, 2015.

Management of the Patient with Spina Bifida: Infancy to Senior Citizen  
Association of Neurosurgical Physician Assistants annual meeting  
Boston, MA October 2014

Pediatric Resident Lecture: The Management of Hydrocephalus in Infants. Goryeb Children's Hospital; August 20, 2014.

Pediatric Resident Lecture: The Management of Dystonia in Children. Goryeb Children's Hospital; April 30, 2014.

Pediatric Neurological Surgery in Kijabe, Kenya.  
Morristown Medical Center Operating Room Nursing Staff; April 30, 2014.

Let's Talk Concussions  
Hackensack University Medical Center; conference for school nurses, coaches, and athletic trainers; April 30, 2014.

Pediatric Head Trauma: a review of the current guidelines  
Department of Surgery Grand Rounds; Hackensack University Medical Center, March 2014

Pediatric Resident Lecture: urogenital anomalies and other signs of spina bifida occulta. Goryeb Children's Hospital; March 2013



Moderator: SCIENTIFIC SESSION I – SAFETY, QUALITY & OUTCOMES; AANS/ CNS Section of Pediatric Neurosurgery Meeting; St. Louis, MO, November 2012

Moderator and Lecturer: Socioeconomic / CSNS Breakfast Seminars; AANS/ CNS Section of Pediatric Neurological Surgery Meeting; St. Louis, MO, November 2012

Pediatric Hydrocephalus lecture.  
NJ Hydrocephalus Support Group. August 2012

Pediatric Resident Lecture: Hydrocephalus in Children  
Goryeb Children's Hospital; July 25, 2012

Invited Lecturer; Young Neurosurgeons of the AANS/ CNS, 2011

Management of Pediatric Cervical Spine Disorders  
Morristown Memorial Hospital – Goryeb Children's Hospital  
Pediatric Grand Rounds. January 2011

Moderator – Trauma Session: AANS/ CNS Joint Section of Pediatric Neurological Surgery Annual Meeting; 2010.

Moderator – General Scientific Section III; Congress of Neurological Surgeons. San Francisco, CA. 2010.

Moderator – Consensus Session III: Brain Death; Congress of Neurological Surgeons. San Francisco, CA. 2010.

Moderator – Socioeconomic Section – Ancillary Services; Congress of Neurological Surgeons. San Francisco, CA. 2010.

Web 2.0 and Marketing Your Neurosurgical Practice 1: Developing an Effective Website. November 11, 2010. Online seminar for CNS University.

Dystonia: diagnosis, botulinum toxin, baclofen pump and other medical treatments. Movement Disorders: The Neurology of Motion. Atlantic Neuroscience Conference Series. Overlook Hospital. October 30, 2010

Pediatric Head Injury and Concussion. Bayonne Hospital. October 29, 2010

Instructor, Congress of Neurological Surgery Oral Boards Remediation Course; Pediatric Neurological Surgery Section. 2009 – Present

New Techniques in Craniofacial Surgery  
NJ Association of Surgical Technicians Annual Meeting; September 18, 2010

Craniofacial Disorders and Endoscopic Cranial Reconstruction.  
Chilton Memorial Hospital Department of Pediatrics Grand Rounds. September 2011

Pediatric Neurosurgery: Review of Pediatric Brain Tumors; Atlantic Health System: Operating Room Nursing Rounds, August 20, 2008

Pediatric Hydrocephalus: NJ Hydrocephalus Support Group. August 2008

Hydrocephalus and Shunts; NJ Hydrocephalus Association, First Annual Conference. May 2008

Spina Bifida Occulta in Children; Morristown Memorial Hospital – Goryeb Children's Hospital; Pediatric Grand Rounds. March 2008

Update in Neurosurgery; Morris County Developmental Disabilities Nurses Association. January 2008

Craniofacial Surgery; St. Clare's Hospital Department of Pediatrics Grand Rounds. January 2008

Pediatric Brain and Spinal Cord Tumors  
Goryeb Children's Hospital; Pediatric Grand Rounds. October 2007

Pediatric Neurosurgery: Review for Neuroscience Nurses  
Atlantic Health System: Nursing Review Course. October 2007

Craniofacial Surgery; Morristown Memorial Hospital – Goryeb Children's Hospital, Pediatric Grand Rounds. July 2007

Pediatric Neurosurgery Review: Part I and II  
Valley Hospital, Ridgewood, New Jersey. January 2007

Management of Spasticity and Dystonia in Children  
The Matheny School and Hospital. New Jersey. August 2006

Management of Spasticity and Dystonia in Adults  
Kessler Institute of Rehabilitation; Saddlebrook, NJ, July 2006

Pediatric Closed Head Injuries  
St. Joseph's Regional Medical Center, Trauma Surgery Grand Rounds, June 2006

Pediatric Head Injury  
Morristown Memorial – Atlantic Health System, Critical Care Update 2006

Cerebral palsy: causes and concerns (a lecture for parents and therapists)  
The A. Harry Moore School, Jersey City, New Jersey; March 2006

Moderator for the live webcast at St. Joseph's Regional Medical Center: "The Management of Spasticity using Neurotoxins: The Consequences of Aging People with Developmental Disabilities;" hosted by Exceptional Parent Magazine; February 2006

"The Post-Operative Pediatric Neurosurgical Patient in the Intensive Care Unit"  
Morristown Memorial Hospital; January 2006

The Management of Spasticity and Dystonia in Children with Cerebral Palsy  
The Stony Hill Inn, Hackensack, New Jersey; December 2005

"Is your severe spasticity controlled...or is it controlling you?"  
Morristown Memorial Hospital, Morristown, New Jersey; December 2005

Harry Moore School, Jersey City, New Jersey; The Management of Spasticity and Dystonia in Children with Cerebral Palsy; October 2005

Ferncliff Manor; Yonkers, New York; The Management of Spasticity and Dystonia in Children with Cerebral Palsy; June 2005

The Valley Hospital, Department of Pediatrics Grand Rounds; Ridgewood, New Jersey  
Pediatric Neurosurgical Emergencies; May 2005

Hackensack University Medical Center, Department of Pediatrics Grand Rounds; Management of Spasticity and Dystonia in Children with Cerebral Palsy. April 2005

The Center for Discovery; Pediatric Rounds: Management of Spasticity and Dystonia in Children with Cerebral Palsy. Harris, New York. March 2005

Hackensack University Medical Center, Department of Nursing Education.  
Pediatric Trauma Course: Pediatric Head Injury. April 2004.

Hackensack University Medical Center, Operating Room Nursing Education: in-service. Intrathecal Baclofen Therapy, March 2004.

St. Joseph's Hospital and Medical Center, Department of Pediatrics. Medulloblastoma – A Neurosurgical Approach, May 2003.

St. Joseph's Hospital and Medical Center, Department of Pediatrics. Craniosynostosis, April 2003.

Hackensack University Medical Center – Institute for Childhood Development, Department of Physical Therapy: Brachial Plexus Injuries in Children, February 2003.

Children's Specialized Hospital, Department of Pediatric Rehabilitation: Pediatric Spasticity and Management, October 14, 2002.

Hackensack University Medical Center; Department of Pediatrics: Craniosynostosis, 2002.

University of Pittsburgh Medical Center - Children's Hospital; Department of Surgery/ Trauma Conference: Pediatric Head Injury, February 2002

#### **CLINICAL RESPONSIBILITIES:**

- A. Clinical Assistant Professor; Rutgers/ University Hospital; August 2017 – current
- B. Co-Director of the Hackensack UMC Concussion Center
- C. Founder/ Director of Craniofacial Center at Goryeb Children's Hospital (GCH)
- D. Founder/ Co-Director of the Pediatric Brain and Spine Tumor Center at GCH
- E. Founder/ Co-Director of the Spasticity and Gait Disorder Center at GCH
- F. Director of Pediatric Neurosurgical Division at Goryeb Children's Hospital
- G. Kessler Institute of Rehabilitation; Co-Director of Spina Bifida Center

#### **GRANT SUPPORT:**

Principal Investigator

1. A study of female medical students' interest in neurological surgery and a qualitative analysis of factors that may influence such interest (Rutgers IRB Study ID: Pro20170001326)
2. Children's Pediatric Brain Tumor Foundation, title of award, 2000 –2001, \$45,000
3. New Jersey State Cancer Commission Research Award; 1989 –1990 \$2,000

#### **Co-Investigator**

1. The proposal title is "Discovering the neurobiological substrate of inattention in children post TBI". The funding agency is New Jersey commission on brain injury research. PI is Xiaobo Li, PhD; Co-investigators: Catherine Mazzola, MD and Lori Catania, PhD.
2. Acoustic Startle Reactivity in Children after mTBI. Rutgers IRB Pro2013003311. Principal Investigator: Richard Servatius, PhD; 2013-2018.

3. Understanding Visual Convergence Insufficiency and Attention Deficit in Children and Adolescents with and without brain injury. Rutgers Pro2016000418. Principal Investigator: Xiaobo Li, PhD; 2016-2019.
4. Examining the Influence of Mindfulness Based Cognitive Therapy Program on Reducing Internalizing and Externalizing Problems following Pediatric Traumatic and Non-traumatic Brain Injury. Kessler and Children's Specialized Hospital IRB R-858-14. Principal Investigator: Cherylynn Marino PhD & Jean Lengenfelder, PhD.
5. An Open Label Extension of Study HGT-HIT-094 Evaluating Long Term Safety and Clinical Outcomes of Intrathecal Idursulfase Administered in Conjunction with Elaprase in Patients with Hunter Syndrome and Cognitive Impairment. Hackensack Meridian Health. Pro2016-0313. Principal Investigator: Helio Pedro, MD
6. Study# Pro00005785 at Hackensack University Medical Center. The Use of Anti-Epileptic Medications in the Pediatric Head Injured Population. 2018-2020.
7. Motion capture analysis of typically developing children. NJIT. 2008001454A001. PI: Saikat Pal, PhD. (2020- ongoing).
8. Motion capture analysis of children with cerebral palsy. NJIT. 2007001277R001. PI: Saikat Pal, PhD. (2020- ongoing).

#### **A. Refereed Original Articles**

1. Block B, **Mazzola CA**: Congenital Unilateral Lower Lip Palsy: A Case-Based Review. Childs Nerv Syst. 2023 Jan;39(1):35-40. doi: 10.1007/s00381-022-05695-1. Epub 2022 Oct 6. PMID: 36198892.
2. Xu JC, Haider SA, **Mazzola CA**, et al.: Telehealth in Neurosurgery: 2021 Council of State Neurosurgical Societies National Survey Results. World Neurosurgery, 2022, ISSN 1878-8750, <https://doi.org/10.1016/j.wneu.2022.09.126>.
3. Briney K, Estrella C, Mody S, Kalyoussef E, Nimchinsky EA, **Mazzola CA**: Multidisciplinary Management of Nasal Dermoid with Intracranial Extension. J Clin Images and Med Case Reports. 2022; 3(9): 2080. DOI: [www.doi.org/10.52768/2766-7820/2080](http://www.doi.org/10.52768/2766-7820/2080)
4. **Mazzola CA**: Invited Commentary: Intellectual Property Protection in Neurosurgery: An Overview. NEUROSURGERY. Nov. 2022 – Vol. 91 - Issue 5 - p e124 doi: 10.1227/neu.0000000000002132
5. Lepard J, **Mazzola CA**, et al: Mechanisms of Peer Review and their Potential Impact on Neurosurgeons: A Pilot Survey. World Neurosurgery. WNEU19338. PII S1878-8750(22)01132-9. <https://doi.org/10.1016/j.wneu.2022.08.032>
6. Saenz S, Wong J, Percy S, Monoky DJ, **Mazzola CA**. Atlantoaxial subluxation of the C1/C2 vertebrae in the pediatric patient: A case study. J Clin Images and Med Case Reports. Jun 10, 2022. Doi:10.52768/2766-7820/1883. ISSN 2766-7820
7. Block BR, Collins JJ, Rios JC, **Mazzola CA**. Maternal Levothyroxine Treatment as an Etiologic Factor in the Development of Infantile Craniosynostosis. J. Fetal Med. (2022). <https://doi.org/10.1007/s40556-022-00337-7>
8. Rahman RK, Majmundar N, Ghani H, **Mazzola CA**. Neurosurgical management of patients with neurocutaneous melanosis: a systematic review. Neurosurg Focus. 2022;52(5):E8. doi:10.3171/2022.2.FOCUS21791

9. Rahman RK, Palin NBS, Murphy R, **Mazzola CA**. Management of spastic diplegic cerebral palsy and periventricular leukomalacia in a preterm 2-year-old: A case report and review of the literature. *J Clin Images Med Case Rep*. 2022; 3(4): 1772.
10. Caruso JP., Singh R., **Mazzola C**, Eldridge CM, et al. Trends in Racial and Ethnic Representation Among Neurosurgery Applicants and Residents: A Comparative Analysis of Procedural Specialties. *World Neurosurgery* 2022 Jul;163:e177-e186. doi: 10.1016/j.wneu.2022.03.145. Epub 2022 Apr 15. PMID: 35436580.
11. **Mazzola CA**: Letter: United States Medicolegal Progress and Innovation in telemedicine in the Age of COVID-19: A Primer for Neurosurgeons. *Neurosurgery: February 2022 - Volume 90 - Issue 2 - p e52* doi: 10.1227/NEU.0000000000001797
12. Huntoon K, Stacy J, Cioffi S, Profitt C, **Mazzola CA**, Sales Representatives in the Operating Room: *World Neurosurgery* (2021), doi: <https://doi.org/10.1016/j.wneu.2021.08.088>.
13. Caruso JP, Adogwa O, **Mazzola CA**, Steinmetz M, Simon SD, Schirmer CM. An Assessment of Neurosurgery Resident Clinical and Socioeconomic Training: The 2013 Council of State Neurosurgical Societies Postresidency Survey Results. *World Neurosurg*. 2021;151:e28-e36. doi:10.1016/j.wneu.2021.03.033
14. **Mazzola CA**. Commentary: The Role of Gender in Neurosurgical Residency Applicants' Letters of Recommendation, *Neurosurgery*, Volume 89, Issue 3, September 2021, Page E155, <https://doi.org/10.1093/neuros/nvab235>
15. Ca M, Luo Y, Wu Z, **Mazzola CA**, Goodman A, Catania L, Alvarez TL, Halperin JM, Li X: Topological Aberrance of Structural Brain Network Provides Quantitative Markers of post-TBI Attention Deficits in Children. *Brain Connectivity* doi: 10.1089/brain.2020.0866
16. Bertoli MJ, Parikh K, Klyde D, **Mazzola CA**, Shah SP: Spinal arteriovenous malformation in a pediatric patient with a history of congenital syphilis: a case report. *BMC Pediatrics* (2021) 21:242 <https://doi.org/10.1186/s12887-021-02707-y>
17. Franklin RC, Behmer Hansen RA, Pierce JM, Tsitouras DJ, **Mazzola CA**. Reply to Oleske et al., Blood Lead Concentrations in Newark Children. Comment on "Franklin et al. Broken Promises to the People of Newark: A Historical Review of the Newark Uprising, the Newark Agreements, and Rutgers New Jersey Medical School's Commitments to Newark. *Int. J. Environ. Res. Public Health* 2021, 18, 2117. Online Version: <https://www.mdpi.com/1660-4601/18/8/4215>.
18. Kandregula S, Lefever D, Trosclair K, Savardekar A, Menger R, Agarwal N, Kimmell K, **Mazzola CA**, Cozzens J, Rosenow J, Schirmer C, Guthikonda B: "There has got to be a better way: The Medical Legal Environment in Neurosurgery: An Informative Overview of the Stages of Litigation and Distinct Challenges. Accepted by *World Neurosurgery*. March 6, 2021. WNS-21-296R1.
19. Caruso JP, Adogwa O, **Mazzola CA**, Steinmetz M, Simon SD, Schirmer CM: An Assessment of Neurosurgery Resident Clinical and Socioeconomic Training: The 2013 Council of State Neurosurgical Societies Post-Residency Survey Results. *World Neurosurg*. 2021 Mar 12; S1878-8750(21)00401-0. doi: 10.1016/j.wneu.2021.03.033
20. Franklin RC, Behmer Hansen RA, Pierce JM, Tsitouras DJ, **Mazzola CA**. Broken Promises to the People of Newark: A Historical Review of the Newark Uprising, the Newark Agreements, and Rutgers New Jersey Medical School's Commitments to Newark. *Int. J. Environ. Res. Public Health* 2021,18, 2117. <https://doi.org/10.3390/ijerph18042117>
21. Ellen L Air, MD, PhD, Katie O Orrico, JD, Deborah L Benzil, MD, Alan M Scarrow, MD, JD, James R Bean, MD, **Catherine A Mazzola, MD**, Linda M Liau, MD, PhD, MBA, James T Rutka, MD, PhD,

- Karin M Muraszko, MD, Developing a Professionalism and Harassment Policy for Organized Neurosurgery, *Neurosurgery*, 2021; nyab051, <https://doi.org/10.1093/neuros/nyab051>
22. Snee IA, **Mazzola CA**. Chiari I Malformation with Klippel-Trenaunay syndrome: case report and review of the literature; *Childs Nerv Syst* (25 January 2021) <https://doi.org/10.1007/s00381-020-04992>
  23. Bogan MH, Bautista AC, Natoli LT, Morin RJ, Reddy GM, **Mazzola CA**. Secondary Craniosynostosis and Elevated Intracranial Pressure with Functioning Shunt: An Imaging Report. *J Clin Med Img*. Jan 25, 2021; V5(5): 1-3.
  24. Snee I, **Mazzola CA**, Fellus J: Kleptomania and other Disinhibition Linked with Pseudobulbar Affect Resulting from TBI; Treatment Remission from Dextromethorphan/Quinidine 39 Years Post-Injury. *J Cogn Neuropsychol*. Vol. 4 No. 2: 02. 2020.
  25. Markosian C, **Mazzola CA**, Tomycz LD: "Sodium Fluorescein-Guided Gross Total Resection of Pediatric Exophytic Brainstem Glioma: 2-Dimensional Operative Video". *Operative Neurosurgery*, opaa357, <https://doi.org/10.1093/ons/opaa357>. Published: 12 December 2020
  26. Huntoon K, Stacy J, Cioffi S, Swartz K, **Mazzola CA**, Profitt C, Adogwa, O: The Enforceability of Noncompete Clauses in the Medical profession: A Review by the Workforce Committee and the Medicolegal Committee of the Council of State Neurosurgical Societies. *Neurosurgery* 87:1085-1090, December 2020. **CNS ANNUAL SOCIOECONOMIC PAPER OF 2020.**
  27. **Mazzola CA**, Christie C, Snee IA, Iqbal H. Atlantoaxial subluxation in the pediatric patient: Case series and literature review. *J Neurosci Neurol Disord*. 2020; 4:069-074, November 2020.
  28. Hansen RT, Hansen RA, Markosian C, **Mazzola CA**, Mammis A: Neurosurgery Community Engagement and Lessons Learned. *World Neurosurg*. 2020 Nov;143:579-580. Doi:10.1016/PMID: 33167119
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## **B. Books, Monographs and Chapters**

1. Surviving Neurosurgery. Chapter on “Surviving Medicaid, Medicare, Private Payors, Billing and Collections in 2020” by **Mazzola CA**. Editors Nitin Agarwal, Vamsi Reddy. Springer Nature, 2021.
2. **CA Mazzola** and TH Sikorskyj; Prematurity and Intraventricular Hemorrhage in Pediatric Neurosurgery. Oxford University Press; 2019
3. Handbook of Pediatric Neurosurgery and Neurology; second edition. Colen CB; **Mazzola CA**; Colen Publishing; 2011.

**C. Other Articles (Reviews, Editorials, etc.) In Journals; Chapters; Books; other Professional Communications**

1. **Mazzola CA:** Rutgers, New Jersey, you broke your promise | Opinion. NJ Advance Media. Nj.com. Updated Apr 08, 2021; Posted Apr 08, 2021; <https://www.nj.com/opinion/2021/04/rutgers-new-jersey-you-broke-your-promise-opinion.html>
2. **Mazzola CA:** ACOs, Acquisitions and Mergers: Do These Business Plans Really Save Patients Money? AANS Neurosurgeon: Volume 25, Number 2, 2016
3. **Mazzola CA:** Neurosurgery and Work Life Balance: Our Family, Our Asset, Our Legacy. AANS Neurosurgeon: Volume 25, Number 1, 2016
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5. **Mazzola CA, Colen CB, B Boudreaux B:** Eye splash injury and protection for neurosurgical residents. White paper to CSNS Executive Committee for presentation at the CSNS Plenary Session, March 2015.
6. **EN Kahn, CA Mazzola:** Neurosurgery and telemedicine: assessment of the potential opportunities and risks. CSNS Executive Committee for presentation at the CSNS Plenary Session, March 2015.
7. **Mazzola CA:** Pediatric Neurosurgery and "Growing-Up" in America. Neurosurgery Blog. 3/10/15; [http://www.neurosurgeryblog.org/2015/03/10/pediatric-neurosurgery-and-growing-up-in-america/?fb\\_ref=Default](http://www.neurosurgeryblog.org/2015/03/10/pediatric-neurosurgery-and-growing-up-in-america/?fb_ref=Default)
8. **Mazzola CA.** The Cost of Evidence-based Medicine in a Non-academic Practice; AANS Neurosurgeon: Financial Forethought. 24(1), 2015
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**PRESENTATIONS:**

1. Rahman R, Majmundar N, Ghani H, San A, Koirala M, Gajjar A, Pappert A, **Mazzola CA**: Neurosurgical management of Patients with Neurocutaneous melanosis: A Systemic Review. CNS Meeting, 2022.
2. **Mazzola CA**: Third annual Women's Empowerment Panel-A Unique Conversation with Inspiring Women Leaders, hosted by the Rho Kappa National Honor Society. Immaculate Conception High School. Lodi, New Jersey. March 5, 2020.
3. **Mazzola CA**: Women in Neurological Surgery: One Woman's Perspective. CNS Meeting, San Francisco, CA, 2019.
4. Henein P, **Mazzola CA**, Jacob G: A multi-disciplinary approach to managing children with Goldenhar Syndrome and craniocervical skeletal anomalies. American Cleft Palate and Craniofacial Association Annual Meeting, 2019.
5. **Mazzola CA**. Multidisciplinary approach to the Management of Spasticity: The Goryeb Spasticity and Gait Disorders Center. Grand Rounds, Department of Pediatrics; Goryeb Children's Hospital, July 26 and 27, 2018.
6. **Mazzola CA**; The ASPN and the Pediatric Neurosurgical Guidelines. American Society of Pediatric Neurosurgery. Key West, FL. February 2, 2018.
7. **Mazzola CA, et al**. Prevention of Child Abuse and Neglect in New Jersey: an opportunity for intervention for families of the Craniofacial and Plagiocephaly Center at Goryeb Children's Hospital. AANS/ CNS Section on Pediatric Neurological Surgery in Houston, TX. Poster Presentation, December 2017.
8. **Mazzola CA**. Pediatric Hydrocephalus Guidelines. Presentation for Department of Pediatrics. New Jersey Medical School – Rutgers, Newark, March 24, 2017.
9. **Mazzola CA**. Pediatric Hydrocephalus Guidelines. Presentation for Department of Neurological Surgery. New Jersey Medical School – Rutgers, Newark, December 21, 2016.
10. **Mazzola CA**. Pediatric Neurosurgical Pathology Review. Presentation for Department of Pathology; Division of Neuropathology. New Jersey Medical School – Rutgers, Newark, December 14, 2016.
11. **Mazzola CA**. Spina bifida and hydrocephalus. Presentation for the Spina Bifida Resource Network, October 22, 2016.
12. **Mazzola CA**. The Pediatric Hydrocephalus Guidelines. Goryeb Children's Hospital; Department of Pediatrics Grand Rounds, October 13, 2016.
13. **Mazzola CA**. Pediatric Head Trauma: Review of the Guidelines. Thomas Jefferson Hospital, Department of Neurological Surgery Visiting Professor, September 30, 2016.
14. Eppinger MA, Berman CM, Halpern SL, **Mazzola CA**. Prolonged survival for a child with malignant choroid plexus carcinoma with oncocytic changes: a case report. Poster presentation at the American Association of Neurological Surgeons; Chicago, IL, May 2016.
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17. Boyko N, Eppinger MA, Curtiss S, **Mazzola CA**. Radiographic imaging of congenital muscular torticollis in infants: a retrospective study and clinical practice guidelines. Poster presentation at the American Association of Neurological Surgeons; Chicago, IL, May 2016.
18. **Mazzola CA**: The Council of State Neurosurgical Societies (CSNS): Socioeconomic and Medico-legal Updates for Pediatric Neurological Surgeons; Poster for the 2015 Congress of Neurological Surgeons Annual Meeting, New Orleans, LA, September 2015.
19. Eppinger M, Sernas T, **Mazzola CA**: Improved Outcome after Early Intervention with Intrathecal Baclofen Therapy (ITB) for Anoxic Brain Injury-related Spasticity and Dystonia; Poster for the 2015 Congress of Neurological Surgeons Annual Meeting, New Orleans, LA, September 2015.
20. Berman C, Eppinger M, **Mazzola CA**: Delayed Referral for Intrathecal Baclofen Therapy in Pediatric Patients with Severe Spasticity: What do Parents Think? Poster for the 2015 Congress of Neurological Surgeons Annual Meeting, New Orleans, LA, September 2015.
21. Kahn E, **Mazzola CA**: Neurosurgery and Telemedicine: Assessment of the Opportunities and Risks; Poster for the 2015 Congress of Neurological Surgeons Annual Meeting, New Orleans, LA, September 2015.
22. Eppinger M, Sernas T, **Mazzola CA**: Improved outcome after early intervention with intrathecal baclofen therapy (ITB) for anoxic brain injury- related spasticity and dystonia. Poster presentation for Atlantic Health Research Day at Morristown Medical Center and Overlook Medical Center, June 11<sup>th</sup>, 2015.
23. Eppinger M, Sernas T, Berman C, **Mazzola CA**: Selective dorsal rhizotomy for spastic diplegia secondary to stroke in an adult patient; poster presentation for Atlantic Health Research Day at Morristown Medical Center and Overlook Medical Center, June 11<sup>th</sup>, 2015.
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28. **Mazzola, CA**; Review of: Selective Dorsal Rhizotomy, Intrathecal Baclofen in the Management of Spasticity Associated with Cerebral Palsy. Webinar March 31, 2009. [www.epliveonline.org/ep\\_20090331.html](http://www.epliveonline.org/ep_20090331.html)
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30. **Mazzola CA**. Craniosynostosis. Oral presentation. Hackensack University Medical Center, Department of Pediatrics, Hackensack, New Jersey; May 8, 2002.

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