

## CURRICULUM VITAE

**DATE: January 8, 2021**

**NAME: Catherine A. Mazzola, M.D., F.A.A.N.S. (nee Ruebenacker)**

**PRESENT TITLE: Director of Pediatric Neurological Surgery, NJPNI**

**OFFICE ADDRESS: 131 Madison Avenue, Morristown New Jersey 07960**

**TELEPHONE NUMBER: 973-326-9000**

**CITIZENSHIP: USA citizen**

### **EDUCATION:**

- A. Undergraduate Graduate and Professional  
College of Mount St. Vincent  
Riverdale, New York  
BS, Biochemistry June 1990
  
- B. Graduate and Professional  
University of Medicine and Dentistry of New Jersey  
Graduate School of Biosciences  
Department of Molecular Genetics and Microbiology  
Newark, New Jersey  
*Degree (Discipline): did not complete PhD* June 1992 -June 1993
  
- C. Graduate and Professional  
University of Medicine and Dentistry of New Jersey  
Newark, NJ Medical School, New Jersey  
Degree: Medical Doctor June 1990- June 1993  
June 1993 - June 1995

### **POSTGRADUATE TRAINING:**

- A. Internship and Residencies  
University of Medicine and Dentistry of New Jersey  
Department of Surgery  
General Surgical Internship  
July 1995 – June 1996  
  
University of Medicine and Dentistry of New Jersey  
Department of Neurological Surgery  
Resident of Neurological Surgery  
July 1996 – June 2001
  
- B. Clinical Fellowships  
University of Pittsburgh Medical Center  
Department of Neurological Surgery  
Division of Pediatric Neurological Surgery  
Fellow  
July 2001 – June 2002

**MILITARY:** none

**ACADEMIC APPOINTMENTS:**

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

**HOSPITAL APPOINTMENTS:**

Hackensack University Medical Center; Pediatric Neurosurgeon  
July 2002 – Present

Atlantic Health Systems – 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 - Present

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

University Hospital  
Clinical Assistant Professor; Neurological Surgery  
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 04/30/2021

**CERTIFICATION:** American Board of Neurological Surgery/26096 exp. 12/2026  
American Board Pediatric Neurological Surgery 07-0128 exp. 12/17

**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, Spring 2019 - Current

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

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

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 - 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; Spring 2019 – Current

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 - Current

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

Executive Committee: Congress of Neurological Surgeons; 2008 – 2013

Executive Committee: CSNS; 2007 – 2016

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

Executive Committee; Morris County Medical Society; Member at Large; 2015 – 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) – North East 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 NEUROSURGERY; 2019- 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:**

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

Hackensack University Medical Center – Trauma Committee 2014 - Current

#### **TEACHING RESPONSIBILITIES:**

Lectures or Course Directorships:

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. Webinar 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

- a. Study# Pro00005785 at Hackensack University Medical Center. The Use of Anti-Epileptic Medications in the Pediatric Head Injured Population. Study Expiration Date: 3/5/2019. Amendment Approval Date: 12/4/2018 (no funding needed)

- b. 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)
- c. Children's Pediatric Brain Tumor Foundation, title of award, 2000 –2001, \$45,000
- d. 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 are Catherine Mazzola, MD and Lori Catania, PhD. Funding period is 7/1/2017-6/30/2019. Funding budget is \$180,000 (no PI or Co-I salary is allowed).
- 2. Acoustic Startle Reactivity in Children after mTBI. Rutgers IRB Pro2013003311. Principal Investigator: Richard Servatius, PhD (ongoing)
- 3. Understanding Visual Convergence Insufficiency and Attention Deficit in Children and Adolescents with and without brain injury. Rutgers Pro2016000418. Principal Investigator: Xiaobo Li, PhD (ongoing)
- 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

#### A. Refereed Original Articles

- 1. Bogan M, Bautista A, Natoli L, Reddy G, **Mazzola CA**. Secondary Craniosynostosis and Elevated Intracranial Pressure with Functioning Shunt: An Imaging Report. *Submitted to Journal of Clinical and Medical Images (ISSN 2640-9615) on January 4, 2021.*
- 2. Air EL, **Mazzola CA**, et al: Dr. Ellen L. Air on the submission entitled "Developing a Professionalism and Harassment Policy for Organized Neurosurgery". *Submitted to Neurosurgery, NEU-D-20-02533, on January 4, 2021.*
- 3. Huntoon K, Stacy J, Cioffi S, Proffitt C, **Mazzola CA**. Sales Representatives in the Neurosurgical Operating Room: Productive Clinical Support or a Conflict of Interest?". *Submitted to JNS November 2020.* Manuscript ID is: JNS20-4069.
- 4. Caruso JP, Adogwa O, **Mazzola CA**, Steinmetz M, Simon SS, Schirmer CM. "An Assessment of Neurosurgery Resident Clinical and Socioeconomic Training: The 2013 Council of State Neurosurgical Societies Post-Residency Survey Results" *submitted to JNS, October 2020.*
- 5. Snee IA, **Mazzola CA**. Chiari I Malformation with Klippel-Trenaunay syndrome: case report and review of the literature; *Accepted by Child's Nervous System, November 27, 2020.*
- 6. 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.*

7. 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
8. 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.
9. 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
10. Markosian C., **Mazzola CA**, Tomycz, LD. Gross Total Resection of Pediatric Cervical Intramedullary Ependymoma with D-Wave Monitoring: A Case Report. *SN Compr. Clin. Med.* (2020). <https://doi.org/10.1007/s42399-020-00618-0>
11. Guthikonda B, **Mazzola CA**, Steinmetz MP, Cheng JS, Stacy JD, Falavigna, WohnsRN: Introduction. The importance of understanding the medicolegal climate in neurosurgery. *Neurosurgical Focus*. Volume 49 (2020): Issue 5 (Nov 2020): Medicolegal issues. <https://doi.org/10.3171/2020.8.FOCUS20765>
12. Bauer DF, Baird LC, Klimo P, **Mazzola CA**, Nikas DC, Tamber MS, Flannery MA. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on the Treatment of Pediatric Hydrocephalus: Update of the 2014 Guidelines. *Neurosurgery*, <https://doi.org/10.1093/neuros/nyaa434> Published: 28 October 2020
13. Menger R, Esfahani DR, Heary R, Ziu M, **Mazzola CA**, LeFever D, Origitano T, Barnes T, Cozzens J, Taylor S. Contract Negotiation for Neurosurgeons: A Practical Guide. *Menger Neurosurgery*. 2020 Sep 15;87(4):614-619. doi: 10.1093/neuros/nyaa042.PMID: 32310279
14. Snee IA, **Mazzola CA**. C1-C2 subluxation after mild cervical spine trauma in a child: a case report; *Surgical Case Reports* doi: 10.31487/j.SCR.2020.07.17
15. Erdman CM, Christie C, Iqbal MO, **Mazzola CA**, Tomycz: The utilization of sodium fluorescein in pediatric brain stem gliomas: a case report and review of the literature. *Childs Nerv Syst*. 2020 Aug 11. doi: 10.1007/s00381-020-04857-3.
16. Iqbal H, **Mazzola CA**: Recurrent Torticollis and Cervical Subluxation in a Pediatric Patient. *Surgical Case Reports* doi: 10.31487/j.SCR.2020.08.02
17. Silva NA, Cerasiello SY, Herendeen JA, Sotayo A, Say I, **Mazzola CA**, Liu JK, Eloy JA. Gender Differences in NIH Grant Funding in Neurological Surgery. *J Clin Neurosci*. 2020 Oct;80:43-49. doi: 10.1016/j.jocn.2020.07.052. Epub 2020 Aug 17. PMID: 33099365
18. Cao M, Luo Y, Wu Z, **Mazzola CA** et al: Topological Aberrance of Structural Brain Network Provides Quantitative Markers of post-TBI Attention Deficits in Children. The preprint in perpetuity. medRxiv preprint doi: <https://doi.org/10.1101/2020.06.12.20129890>.this version posted June 16, 2020.
19. Zhang HJ, Silva N, Solli E, Ayala AC, Tomycz L, Christie C, **Mazzola CA**: Treatment options and long-term outcomes in pediatric spinal cord vascular malformations: A case report and review of the literature. *Childs Nerv Syst*. 2020 May 6. doi: 10.1007/s00381-020-04624-4.
20. Dixon A, Silva NA, Sotayo A, **Mazzola CA**. Female Medical Student Retention in Neurosurgery: A Multifaceted Approach. *World Neurosurg.* 2019 Feb; 122:245-251. doi: 10.1016/j.wneu.2018.10.166.
21. Agarwal N, Agarwal P, Taylor T, **Mazzola CA**, Orrico K, Heary R: Contributions to the Neurosurgery Political Action Committee (NeurosurgeryPAC): A Historical Perspective. *World Neurosurg.* 2019 Dec 21. pii: S1878-8750(19)33111-0. doi: 10.1016/j.wneu.2019.12.082. PMID: 31874292

22. Beier AD, Nikas DC, Assassi N, Bauer DF, Blount JP, Durham SR, Flannery AM, Klimo P, McClung-Smith C, Rehring P, Tamber MS, Tyagi R, **Mazzola CA**. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on Closure of Myelomeningocele Within 48 Hours to Decrease Infection Risk. *Neurosurgery*. 2019 Sep 1;85(3): E412-E413. doi: 10.1093/neuros/nyz264.
23. Bauer DF, Beier AD, Nikas DC, Assassi N, Blount J, Durham SR, Flannery AM, Klimo P Jr, McClung-Smith C, Rehring P, Tamber MS, Tyagi R, **Mazzola CA**. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Management of Patients With Myelomeningocele: Whether Prenatal or Postnatal Closure Affects Future Ambulatory Status. *Neurosurgery*. 2019 Sep 1;85(3):E409-E411. doi: 10.1093/neuros/nyz26
24. Tamber MS, Flannery AM, McClung-Smith C, Assassi N, Bauer DF, Beier AD, Blount JP, Durham SR, Klimo P Jr, Nikas DC, Rehring P, Tyagi R, **Mazzola CA**. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Incidence of Shunt-Dependent Hydrocephalus in Infants With Myelomeningocele After Prenatal Versus Postnatal Repair. *Neurosurgery*. 2019 Sep 1;85(3):E405-E408. doi: 10.1093/neuros/nyz262.
25. **Mazzola CA**, Assassi N, Baird LC, Bauer DF, Beier AD, Blount JP, Durham SR, Flannery AM, Klimo P, McClung-Smith C, Nikas DC, Rehring P, Tamber MS, Tyagi R. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines for Pediatric Myelomeningocele: Executive Summary. *Neurosurgery*. 2019 Sep 1;85(3):299-301. doi: 10.1093/neuros/nyz261.
26. **Mazzola CA**, Tyagi R, Assassi N, Bauer DF, Beier AD, Blount JP, Durham SR, Flannery AM, Klimo P Jr, McClung-Smith C, Nikas DC, Rehring P, Tamber MS. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Incidence of Tethered Cord Syndrome in Infants With Myelomeningocele With Prenatal Versus Postnatal Repair. *Neurosurgery*. 2019 Sep 1;85(3):E417-E419. doi: 10.1093/neuros/nyz266.
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**B. Books, Monographs and Chapters**

1. **CA Mazzola** and TH Sikorskyj; Prematurity and Intraventricular Hemorrhage in Pediatric Neurosurgery. Oxford University Press; 2019
2. 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**: ACOs, Acquisitions and Mergers: Do These Business Plans Really Save Patients Money? AANS Neurosurgeon: Volume 25, Number 2, 2016
2. **Mazzola CA**: Neurosurgery and Work Life Balance: Our Family, Our Asset, Our Legacy. AANS Neurosurgeon: Volume 25, Number 1, 2016
3. **Mazzola CA**: The Financial Aspect of Surgery: From the Patient's Mother's Perspective. AANS Neurosurgeon: Volume 24, Number 3, 2015
4. **Mazzola CA**, Colen CB, Boudreaux B: Eye splash injury and protection for neurosurgical residents. Submitted as a White paper to CSNS Executive Committee for presentation at the CSNS Plenary Session, March 2015.
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7. **Mazzola CA.** The Cost of Evidence-based Medicine in a Non-academic Practice; *AANS Neurosurgeon: Financial Forethought*. 24(1), 2015
8. **Mazzola CA.** The Metamorphosis of the Blues; *AANS Neurosurgeon: Financial Forethought*. 23(3), 2014
9. **Mazzola CA.** Ruth Kerr Jakoby, MD, FAANS, JD; *Congress Quarterly* 14(2), 11-12, 2013
10. **Mazzola CA.** Entrepreneurial Predators in Today's Socioeconomic Crisis: Not What Neurosurgeons Needed? *AANS Neurosurgeon: Financial Forethought* 23 (2), 2014
11. **Mazzola CA.** Facing the Obamacare Giant; *AANS Neurosurgeon* 22(4), 2013
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#### PRESENTATIONS:

1. **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.
2. **Mazzola CA:** Women in Neurological Surgery: One Woman's Perspective. CNS Meeting, San Francisco, CA, 2019.
3. 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.
4. **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.
5. **Mazzola CA;** The ASPN and the Pediatric Neurosurgical Guidelines. American Society of Pediatric Neurosurgery. Key West, FL. February 2, 2018.
6. **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.
7. **Mazzola CA.** Pediatric Hydrocephalus Guidelines. Presentation for Department of Pediatrics. New Jersey Medical School – Rutgers, Newark, March 24, 2017.
8. **Mazzola CA.** Pediatric Hydrocephalus Guidelines. Presentation for Department of Neurological Surgery. New Jersey Medical School – Rutgers, Newark, December 21, 2016.

9. **Mazzola CA.** Pediatric Neurosurgical Pathology Review. Presentation for Department of Pathology; Division of Neuropathology. New Jersey Medical School – Rutgers, Newark, December 14, 2016.
10. **Mazzola CA.** Spina bifida and hydrocephalus. Presentation for the Spina Bifida Resource Network, October 22, 2016.
11. **Mazzola CA.** The Pediatric Hydrocephalus Guidelines. Goryeb Children’s Hospital; Department of Pediatrics Grand Rounds, October 13, 2016.
12. **Mazzola CA.** Pediatric Head Trauma: Review of the Guidelines. Thomas Jefferson Hospital, Department of Neurological Surgery Visiting Professor, September 30, 2016.
13. Eppinger MA, Berman CM, Halpern SL, **Mazzola CA.** Prolonged survival for a child with malignant choroid plexus carcinoma with oncocyctic changes: a case report. Poster presentation at the American Association of Neurological Surgeons; Chicago, IL, May 2016.
14. Eppinger MA, Bradley KR, DiGaetano M, Carr BN, **Mazzola CA.** Intrathecal Baclofen Therapy in Pediatrics: A Pediatrician’s Perspective. Poster presentation at the American Association of Neurological Surgeons; Chicago, IL, May 2016.
15. DiGaetano M, Eppinger MA, Sernas TJ, **Mazzola CA.** Modafinil and caffeine for treatment of unresponsiveness associated with ras edema in a pediatric patient. Poster presentation at the American Association of Neurological Surgeons; Chicago, IL, May 2016.
16. 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.
17. **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.
18. 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.
19. 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.
20. 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.
21. 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.
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24. **Mazzola CA**, Schwartz LF, Livingstone T, Straka-DeMarco D, Gleeson T, Mulhall K, Weiner S: The Management of Torticollis in Infants and Children. Oral poster presentation at the AANS/ CNS Section of Pediatric Neurological Surgery Meeting; St. Louis, MO, November 2012.
25. Flannery AM, **Mazzola CA**, Klimo P, Warf B, Tamber M, Riva-Cambrin J, Limbrick D, Kemp J, Choudhri A, Duhaime T, Baird L, Nikas D, Auguste K, Van Poppel M, Raymond L: Creating Evidence-Based Recommendations for The Treatment of Children with Hydrocephalus. Oral poster presentation at the AANS/ CNS Section of Pediatric Neurological Surgery Meeting; St. Louis, MO, November 2012.
26. Khansia K, **Mazzola CA**, Schwartz LF, DeAngelis P, Sernas T: Sibling Group Presenting with Intracranial Hemorrhage from Intracranial Aneurysms, and Co-Existing Diffuse Cerebral Calcification and Pulmonary Emphysema; e-poster presentation at the AANS/ CNS Section of Pediatric Neurological Surgery Meeting; Austin, TX December 2011
27. **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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29. **Mazzola CA**. Craniosynostosis. Oral presentation. Hackensack University Medical Center, Department of Pediatrics, Hackensack, New Jersey; May 8, 2002.
30. Frim D, Adelson PD, **Mazzola CA**, Walker ML, Miesel K, Stylos L, Penn R: Continuous Long-Term Monitoring of Intracranial Pressure in Ambulatory Hydrocephalus Patients. Poster presentation at the Seventh National Conference on Hydrocephalus, 2002.
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32. **Mazzola CA**, Xie S, Madhok R, Hunt CD: The Prevalence of Pediatric Cervical Spinal Trauma in Newark, New Jersey. Poster presentation at AANS/ CNS Pediatric Section, 2001.
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36. **Ruebenacker-Mazzola CA**, Madhok R, Sridharan D, Wilusz J, Carmel PW. VEGFR expression and neovascularization in meningiomas. Oral presentation at the New York Neurosurgical Society Meeting, May 2001.
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40. **Ruebenacker CA**, Sacchieri TA, Carmel PW, Siegel JH, Feldman SC: Inhibition of Growth Rate by Transfection of C6 Glioma Cells with Precursor Somatostatin. Abstract and poster at AANS Annual Meeting; April 1999.
41. Feldman SF, Espina N, Lin A, **Ruebenacker CA**: Somatostatin Inhibits the Growth of C6 Glioma Cells In-Vitro: A Retroviral Mediated Approach. Abstract and Poster at the NJ Cancer Commission Annual Symposium, June 1998.
42. **Ruebenacker CA**, Sapru H, Maniker AH: Head Trauma on the Decline? A Retrospective Look. Abstract and Poster Presentation at the CNS Annual Meeting; October 1997.
43. Heary RF, **Ruebenacker CA**, Sharan A: Intracranial Infections in a Multinational, Urban Population. Abstract and Poster at the CNS Annual Meeting; October 1996.
44. **Ruebenacker CA**, Guernelli GF, Haley JE, Norton W: Metabolic Neuron-Glial Interactions in Culture: Translocation of GFAP in Response to Neuronal Membranes. Abstract and Poster at the American Neurology Symposium; March 1990.
45. **Ruebenacker CA**, Steinman HM: A Genetic Approach to Analyzing the Pathogenicity of *Legionella pneumophila*. Abstract and Presentation at the Sue Golding Undergraduate Research Symposium, Albert Einstein College of Medicine; August 1989.
46. **Ruebenacker CA**, Walsh S, Hollein C: A high Performance Liquid Chromatography Analysis of an *Escherichia coli* Fermentation Broth. Abstract and Presentation at the Northeastern American Chemistry Society Student Research Symposium; April 1989.