

CURRICULUM VITAE

DATE: January 8, 2018

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

PRESENT TITLE: Director of Pediatric Neurological Surgery

OFFICE ADDRESS: 131 Madison Avenue, Morristown New Jersey 07960

TELEPHONE NUMBER: 973-326-9000 (office) 201-996-9300 (office 2)

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

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 – present

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
Director, Pediatric Neurological Surgery
Newark, New Jersey
July 2017 - present

OTHER EMPLOYMENT OR MAJOR APPOINTMENTS:

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

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

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

PRIVATE PRACTICE:

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

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 10/31/2017

DEA: exp 04/30/2018

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
2005 – Current

AANS/ CNS Section of Pediatric Neurological Surgery; Member, 2001- 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 Appropriateness Criteria; AANS
Representative; June 2013 – current (4 year term)

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

Morris County Medical Society Member; 2010 – Current

Morris County Medical Society Executive Board; Member-at-Large; 2015-2017

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:

*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:

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 – current

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 - current

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

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; January 2018 – current

Morristown Medical Center – Operating Room Committee; February 2015 - current

Morristown Medical Center – Trauma Committee; 2007- current

Morristown Medical Center - Pediatric Trauma Committee; 2011- current

Hackensack University Medical Center – Trauma Committee 2014 - current

TEACHING RESPONSIBILITIES:

Lectures or Course Directorships:

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 Oculata 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. Children's Pediatric Brain Tumor Foundation, title of award, 2000 –2001, \$45,000
- b. 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

PUBLICATIONS:

A. Refereed Original Articles

1. Li X, Catania L, **Mazzola CA**, Wu Z, Owoeye O, Yaramothu C, Alvarez T, Gao Y: Altered Cortical Activation and Connectivity Patterns for Visual Attention Processing in young adults post Traumatic Brain Injury: A functional Near Infrared Spectroscopy Study. *Accepted by CNS Neuroscience & Therapeutics, January 2, 2018.*
2. Begley BB, Minkowitz B, **Mazzola CA**: Identical twins with spina bifida occulta, tethered cord syndrome, and mirror image club foot deformity: case report and review of the literature. *Submitted to the Journal of Neurosurgery: Pediatrics; November 2017.*
3. Boyko N, Eppinger ME, Straka-DeMarco D, **Mazzola CA**: Imaging Of Congenital Torticollis In Infants: A Retrospective Study And Best Clinical Practice Recommendations And Guidelines. *J Neurosurg Pediatr. 2017 Jun 2:1-5*
4. Carr BN1, Sernas T, **Mazzola CA**. X-ray Imaging Analysis of Intrathecal Baclofen Pumps for Pediatric Emergency Medicine. *Pediatr Emerg Care. 2017 Apr 24.*
5. Tamber MS, Nikas D, Beier A, Baird LC, Bauer DF, Durham S, Klimo P Jr, Lin AY, **Mazzola C**, McClung-Smith C, Mitchell L, Tyagi R, Flannery AM. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Role of Cranial Molding Orthosis (Helmet) Therapy for Patients with Positional Plagiocephaly. *Neurosurgery. 2016 Nov;79(5):E632-E633.*
6. Baird LC, Klimo P Jr, Flannery AM, Bauer DF, Beier A, Durham S, Lin AY, McClung-Smith C, Mitchell L, Nikas D, Tamber MS, Tyagi R, **Mazzola C**. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline for the Management of Patients With Positional Plagiocephaly: The Role of Physical Therapy. *Neurosurgery. 2016 Nov;79(5):E630-E631.*
7. Klimo P Jr, Lingo PR, Baird LC, Bauer DF, Beier A, Durham S, Lin AY, McClung-Smith C, Mitchell L, Nikas D, Tamber MS, Tyagi R, **Mazzola C**, Flannery AM. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Management of Patients with Positional Plagiocephaly: The Role of Repositioning. *Neurosurgery. 2016 Nov;79(5):E627-E629.*
8. **Mazzola C**, Baird LC, Bauer DF, Beier A, Durham S, Klimo P Jr, Lin AY, McClung-Smith C, Mitchell L, Nikas D, Tamber MS, Tyagi R, Flannery AM. Congress of Neurological Surgeons

Systematic Review and Evidence-Based Guideline for the Diagnosis of Patients with Positional Plagiocephaly: The Role of Imaging. *Neurosurgery*. 2016 Nov;79(5):E625-E626.

9. Tamber MS, Nikas D, Beier A, Baird LC, Bauer DF, Durham S, Klimo P Jr, Lin AY, **Mazzola C**, McClung-Smith C, Mitchell L, Tyagi R, Flannery AM. Guidelines: Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Role of Cranial Molding Orthosis (Helmet) Therapy for Patients With Positional Plagiocephaly. *Neurosurgery*. 2016 Nov;79(5):E632-E633.
10. Flannery AM, Tamber MS, **Mazzola C**, Klimo P Jr, Baird LC, Tyagi R, Bauer DF, Beier A, Durham S, Lin AY, McClung-Smith C, Mitchell L, Nikas D. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines for the Management of Patients With Positional Plagiocephaly: Executive Summary. *Neurosurgery*. 2016 Nov;79(5):623-624.
11. Hunt A, Gregory J, Karim M, Bouffard JP, **Mazzola CA** (2016) The H3.3K27M Mutation and its Role in Pediatric Midline Gliomas: Case Report and Review of the Literature. *Ann Pediatr Child Health* 4(5): 1117
12. Kahn EN, Lamarca F, **Mazzola CA**. *Neurosurgery and Telemedicine in the United States: Assessment of the Risks and Opportunities*. *World Neurosurgery* 89 (2016): 133-138.
13. Eppinger MA, Berman CM, Halpern SL, **Mazzola CA** (2016) Prolonged Survival for Choroid Plexus Carcinoma with Oncocytic Changes: A Case Report. *J Pediatr Neurol Med* 1:107. doi:10.4172/jpnm.1000107
14. Eppinger MA, Sernas TJ, **Mazzola CA**: Benefits of Temporary Intrathecal Baclofen Therapy: Management of Tone and Spasticity. *Int J Brain Disord Treat* 1:003, 2015
15. Eppinger MA, Bradley KR, DiGaetano M, Carr BN, **Mazzola CA**: Intrathecal Baclofen Therapy in Pediatrics: A Pediatrician's Perspective. *NJ Pediatrics* Fall 2015
16. **Mazzola CA**, Eppinger MA, Berman CM: Selective dorsal rhizotomy for spastic diplegia secondary to stroke in an adult patient. *Surg Neurol Int*. 2015; 6: 111.
17. Eppinger MA, Sernas TJ, **Mazzola CA**: Unusual Toddler Intracranial Head Injury. *New Jersey AAP Pediatrics*, summer 2015.
18. **Mazzola CA**, Berman CM, Eppinger MA: Understanding the reasons for delayed referral for intrathecal baclofen therapy in pediatric patients with severe spasticity. *Child's Nervous System* Nov 2014
19. **Mazzola CA**, Choudri AF, Auguste K, et al: Pediatric hydrocephalus: systematic literature review and evidence-based clinical practice guidelines. Part 2: Management of post-hemorrhagic hydrocephalus in premature infants. *JNS: Pediatrics Special Supplements* Nov 2014 (14) Suppl 8-23
20. Flannery AM, **Mazzola CA**, Klimo P, et al: Pediatric hydrocephalus: systematic literature review and evidence-based guidelines. *JNS: Pediatrics Special Supplements*. Nov 2014 (14) Suppl 1-2
21. Baird LC, **Mazzola CA**, Auguste K et al: Pediatric hydrocephalus: systematic literature review and evidence-based clinical practice guidelines. Part 5: Effect of valve type on cerebrospinal fluid shunt efficacy. *JNS: Pediatrics Special Supplements* Nov 2014 (14)Suppl 35-43
22. Tamber MS, Klimo P, **Mazzola CA** et al: Pediatric hydrocephalus: systematic literature review and evidence-based clinical practice guidelines. Part 8: Management of cerebrospinal fluid shunt infection. *JNS: Pediatrics Special Supplements* Nov 2014 (14)Suppl 60-71

23. Dimitrios CN, Post A, Choudhri AF, **Mazzola CA** et al: Pediatric hydrocephalus: systematic literature review and evidence-based clinical practice guidelines. Part 10: Change in ventricular size as a measurement of effective treatment of hydrocephalus. *JNS: Pediatrics Special Supplements* Nov 2014 (14)Suppl 77-81
24. **Mazzola CA**, Raske ME, Rice HE, Rigsby CK, Sierzenski PR, Strouse PJ, Westra SJ, Wootton-Gorges SL, Coley BD: ACR Appropriateness Criteria® Head Trauma — Child; J Amer College of Radiology, October 2014.
25. Pilitsis J, Beverly S, **Mazzola CA**, Ashley Jr., WW, Colen C, Asadi, K, Steinmetz M: Neurosurgeon and Student Perspective on the Current Medical Education in Neurosurgery. *AANS Neurosurgeon: Peer-Reviewed Research*. Volume 22, Number 2, 2013
26. **Mazzola CA**, Lobel Da, Krischnamurthy S, Bloomgarden GM, Benzil DL: Efficacy of Neurosurgery Resident Education in the New Millennium: The 2008 Council of State Neurosurgical Societies Post-Residency Survey Results, *Neurosurgery* 67(2), 225-233, 2010
27. Sav A, Scheitauer BW, **Mazzola CA**, et al: Oncocytic Choroid Plexus Carcinoma: Case Report, *Clin Neuropathol*, 29(1) , 14-20, 2010
28. Lobel DA, **Mazzola CA**, Krishnamurthy S, Benzil DL, Bloomgarden GM. Post-Residency Survey Reveals Critical Education Issues: Results of the Council of State Neurosurgical Societies (CSNS) Survey, *Neurosurgery* 67(2):40, 2009.
29. **Mazzola CA**, Fried AH: Chiari Decompression Revision, *Neurosurgical Focus*, 15(3), 1-8, 2003
30. **Mazzola CA**, Pollack IF: Medulloblastoma. Current Treatment Options in Neurology, 5(3), 189-198, 2003
31. **Mazzola, CA**, Adelson PD, The ABC's of Pediatric Head Trauma. *Seminars in Neurosurgery*, 13(1), 29-37, 2002
32. Madhok R, **Mazzola CA**, Pollack IP, Resolution of Chiari Malformation after Repair of a Congenital Thoracic Myelomeningocele: Case Report and Literature Review, *Neurosurgery*, 51(6), 1489-1492, 2002
33. **Mazzola CA**, Adelson PD, Critical Care Management of Head Trauma in Children, *Crit Care Med*, 30(11), S393-401, 2002
34. **Mazzola, CA**, Albright AL, Sutton LN, Tuite GF, Hamilton R, Pollack IF, Dermoid Inclusion and Early Spinal Cord Tethering After Fetal Surgery for Myelomeningocele: Three Case Reports, *NEJM*, 347(4), 256-259, 2002
35. **Ruebenacker CA**, Baredes S, Heary RF, Type A Immunoglobulin Deficiency Presenting as a Mixed Polymicrobial Brain Abscess: A Case Report, *Neurosurgery*, 44(22), 411-414, 1999
36. **Ruebenacker CA**, Harrison D, Wachsberg R, Holman M, Unilober Intrahepatic Lithiasis 22 Years After Cholecystectomy, *New Jersey Medicine*, 93(2), 97-98, 1996

B. Books, Monographs and Chapters

1. 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.
5. **EN Kahn, CA Mazzola:** Neurosurgery and telemedicine: assessment of the potential opportunities and risks. Submitted as a White paper to CSNS Executive Committee for presentation at the CSNS Plenary Session, March 2015.
6. **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
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. **Catherine A. Mazzola, MD, FAANS 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
12. **Mazzola CA:** Smart Decisions: Managing Your Debt and Finances after Residency and Fellowship. AANS Neurosurgeon: Financial Forethought, Volume 22, Number 2, 2013
13. **Mazzola CA.** Using the Media to Your Advantage as a Neurological Surgeon; AANS Neurosurgeon 22(4), 2013
14. **Mazzola CA.** Does Press Ganey Really Measure Patient Satisfaction? *Congress Quarterly* 14(2), 11-12, 2013
15. **Mazzola CA, Dye A,** Protecting Your Online Identity, *Congress Quarterly*, 14(1), 20-21, 2013

PRESENTATIONS:

1. **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.
2. **Mazzola CA.** Pediatric Hydrocephalus Guidelines. Presentation for Department of Pediatrics. New Jersey Medical School – Rutgers, Newark, March 24, 2017.

3. **Mazzola CA.** Pediatric Hydrocephalus Guidelines. Presentation for Department of Neurological Surgery. New Jersey Medical School – Rutgers, Newark, December 21, 2016.
4. **Mazzola CA.** Pediatric Neurosurgical Pathology Review. Presentation for Department of Pathology; Division of Neuropathology. New Jersey Medical School – Rutgers, Newark, December 14, 2016.
5. **Mazzola CA.** Spina bifida and hydrocephalus. Presentation for the Spina Bifida Resource Network, October 22, 2016.
6. **Mazzola CA.** The Pediatric Hydrocephalus Guidelines. Goryeb Children’s Hospital; Department of Pediatrics Grand Rounds, October 13, 2016.
7. **Mazzola CA.** Pediatric Head Trauma: Review of the Guidelines. Thomas Jefferson Hospital, Department of Neurological Surgery Visiting Professor, September 30, 2016.
8. 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.
9. 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.
10. 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.
11. 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.
12. **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.
13. 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.
14. 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.
15. 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.
16. Eppinger M, Sernas T, **Mazzola C:** 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 11th, 2015.
17. Eppinger M, Sernas T, Berman C, **Mazzola C:** 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 11th, 2015.

18. Eppinger M, Beman C, Thompson S, **Mazzola C**: Prolonged Survival for a Child with Malignant Choroid Plexus Carcinoma with Oncocytic Changes: A Case Report; poster presentation for Atlantic Health Research Day at Morristown Medical Center and Overlook Medical Center, June 11th, 2015.
19. **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.
20. 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.
21. 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
22. **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
23. Calhoun SR, Deangelis PM, **Mazzola, CA**: NJ Criteria for the Pronouncement of Brain Death in Children. AANS/CNS Pediatric Neurosurgery section, presented November 2007.
24. **Mazzola CA**. Craniosynostosis. Oral presentation. Hackensack University Medical Center, Department of Pediatrics, Hackensack, New Jersey; May 8, 2002.
25. 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.
26. **Mazzola CA**, Wetzel M, Hadjipanyis C, Albright AL. The incidence of re-tethering after release of tethered spinal cord with various dural grafts. Poster presentation at AANS Annual Meeting, 2002.
27. **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.
28. **Mazzola CA**, Madhok R, Yabut O, Sharer L, Cho ES, Maniker AH: Expression of vascular endothelial growth factor receptors in CNS and PNS tumors. Oral presentation at AANS/ CNS Pediatric Section, 2001.
29. **Mazzola CA**, Madhok R, Yabut O, Sharer L, Cho ES, Maniker AH: Expression of somatostatin and vascular endothelial growth factor receptors in peripheral nerve tumors. Poster at CNS Annual Meeting, 2001.
30. Madhok R, **Mazzola C**, Yabut O, Sharer L, Cho ES, Maniker AH: Expression of somatostatin and vascular endothelial growth factor receptors in meningiomas. Poster at the CNS Annual Meeting, 2001.
31. **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.
32. **Ruebenacker CA**, Schlenk RS, Xie S, Carmel PW: The Prevalence of Pediatric Spinal Trauma in an Inner City Hospital. Oral presentation and poster at the CNS Annual Meeting, 2000.

33. **Ruebenacker CA**, Sacchieri TA, Shao TM, Carmel PW, Siegel JH, Feldman SC: The effects of transfection and constitutive expression of somatostatin cDNA in the rat C6 glioma cell line: reduced growth rate and altered cell-cycle kinetics. Poster presentation at Annual Meeting of the AANS; April 2000.
34. **Ruebenacker CA**, Sacchieri TA, Carmel PW, Siegel JH, Feldman SC: Induced over-expression of somatostatin inhibits glioma growth in-vitro and in-vivo. Abstract and poster presentation at CNS Annual Meeting; Nov 1999.
35. **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.
36. 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.
37. **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.
38. Heary RF, **Ruebenacker CA**, Sharan A: Intracranial Infections in a Multinational, Urban Population. Abstract and Poster at the CNS Annual Meeting; October 1996.
39. **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.
40. **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.
41. **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.