

## **CURRICULUM VITAE**

**DATE:** May 12, 2015

**NAME:** Luigi Bassani, M.D.

**PRESENT TITLE:** Assistant Professor, Department of Neurosurgery  
Director, Pediatric Neurosurgery  
Rutgers New Jersey Medical School

**OFFICE ADDRESS:** Neurological Institute of New Jersey  
Department of Neurosurgery  
Rutgers New Jersey Medical School  
90 Bergen Street  
Suite 8100  
New York, NY 07103

**CITIZENSHIP:** United States of America

### **EDUCATION:**

- A. Undergraduate  
College of the Holy Cross  
Worcester, Massachusetts  
Bachelor of Arts: Psychology 2000
- B. Graduate and Professional  
Georgetown University School of Medicine  
Washington, District of Columbia  
Doctor of Medicine 2006

### **POSTGRADUATE TRAINING:**

- A. Internship and Residency  
New York University Medical Center, New York, NY  
Department of Surgery  
Intern  
2006-2007  
  
New York University Langone Medical Center, New York, NY  
Department of Neurosurgery  
Resident  
2007-2011  
  
New York University Langone Medical Center, New York, NY  
Skull Base Elective with Dr. Chandranath Sen  
Jan 2011-June 2011  
  
New York University Langone Medical Center, New York, NY  
Intra-Residency Fellow, Division of Pediatric Neurosurgery  
2010-2011  
  
New York University Langone Medical Center, New York, NY

Tisch Hospital  
Department of Neurosurgery  
Chief Resident  
2011-2012

New York University Langone Medical Center, New York, NY  
Bellevue Hospital and Veterans Affairs Medical Center  
Department of Neurosurgery  
Chief Resident  
2012-2013

**B. Fellowships**

Nathan C. Avery, MD Memorial Fellowship in Pediatric Neurosurgery  
Department of Neurosurgery  
Division of Pediatric Neurosurgery  
University of Utah  
Primary Children's Hospital  
Salt Lake City, Utah  
2013-2014

**C. Postdoctoral Appointments**  
none

**MILITARY: none**

**ACADEMIC APPOINTMENTS:**

Assistant Professor  
Director of Pediatric Neurosurgery  
Department of Neurological Surgery  
Rutgers New Jersey Medical School  
90 Bergen Street  
Suite 8100  
Newark, NJ 07103

**HOSPITAL APPOINTMENTS:**

The Bristol Myers Squibb Children's Hospital at Robert Wood Johnson University Hospital  
200 Somerset St.  
New Brunswick, NJ 08901  
May 2015

Robert Wood Johnson University Hospital  
1 Robert Wood Johnson Place  
New Brunswick, NJ 08901  
May 2015

University Hospital  
150 Bergen Street  
Newark, NJ 07103  
September 2014

Newark Beth Israel Medical Center  
The Children's Hospital of New Jersey  
201 Lyons Ave  
Newark, NJ 07112  
September 2014

Primary Children's Hospital  
Clinical Provisional Active Privileges  
100 North Mario Capecchi Drive  
Salt Lake City, UT 84113  
April 2014 to June 2014

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

American Association of Neurological Surgeons  
Resident Member, 2007 to 2014  
Provisional member, 2014 to present

Congress of Neurological Surgeons  
Resident Member, 2007 to 2014  
Member, 2014 to present

AANS/CNS Pediatric Section  
Resident Member, 2010 to 2014  
Member, 2015 to present

American Medical Association  
Resident Member, 2006 to 2014  
Member, 2014 to present

Alpha Sigma Nu  
National Jesuit Honor Society  
1999

Psi Chi  
National Psychology Honor Society  
1999

**HONORS AND AWARDS:**

Presidential Service Award, 2000  
Ignatius of Loyola Service Award, 2000  
Charles Johnson Jr. Memorial College Scholarship – 1996-2000

**BOARDS OF DIRECTORS/TRUSTEES POSITIONS:** None

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:** None

**SERVICE ON MAJOR COMMITTEES:** None

- A. International
- B. National
- C. Medical School/University
  - 1. Georgetown University School of Medicine: Admissions Committee Interviewer, 2005
- D. Hospital

- E. Department
  - 1. NYU Langone Medical Center; Dept of Neurosurgery: Residency Applicant Reviewer/Interviewer, 2008/2009
  - 2. Primary Children's Hospital, University of Utah: Fellowship Applicant Reviewer/Interviewer, 2013/2014
- F. Editorial Boards
- G. AdHoc Reviewer

#### TEACHING RESPONSIBILITIES:

- A. Lectures or Course Directorships:
  - 1. NYU Langone Medical Center: weekly case conference presentation to residents and attendings and daily teaching of residents on rounds and in the operating room; 2011-2013
  - 2. Primary Children's Hospital: daily teaching of residents on rounds and in the operating room; presentation of monthly morbidity and mortality conference; 2013-2104
  - 3. University of Utah: monthly resident case conference presentation on pediatric topics; 2013-2014
  - 4. Neurological Institute of New Jersey/Rutgers, The State University of New Jersey: Pediatric Neurosurgery Conference and Journal Club
- B. Research Training: None

#### CLINICAL RESPONSIBILITIES:

Director of Pediatric Neurosurgery  
 Neurological Institute of New Jersey  
 Rutgers, The State University of New Jersey  
 August 2014 – present  
 Daily management of the pediatric neurosurgery outpatient and inpatient service at University Hospital. Coverage of all pediatric neurosurgical cases at University Hospital.

Fellow, Pediatric Neurosurgery  
 Primary Children's Hospital  
 University of Utah  
 July 2013-June 2014  
 Daily clinical management of all pediatric inpatients on the neurosurgical surgery service; daily operative coverage of pediatric neurosurgical cases; weekly clinic coverage of the outpatient pediatric neurosurgical service; primary weekday and weekend call coverage of the entire pediatric neurosurgical service at Primary Children's hospital

#### PUBLICATIONS:

- A. Peer-Reviewed Original Journal Articles
  - 1. Kwon JH, Keates S, **Bassani L**, Mayer LF, Keates AC. Colonic epithelial cells are a major site of macrophage inflammatory protein 3alpha (MIP-3alpha) production in normal colon and inflammatory bowel disease. *Gut* 51(6):818-26, 2002.
  - 2. Lahav M, Levite M, **Bassani L**, Lang A, Fidler H, Tal R, et al. Lidocaine inhibits secretion of IL-8 and IL-1beta and stimulates secretion of IL-1 receptor antagonist by epithelial cells. *Clinical and Experimental Immunology* 127(2):226-33, 2002.
  - 3. Elliott RE, Rodgers SD, **Bassani L**, Morsi A, Geller EB, Carlson C, et al. Vagus nerve stimulation for children with treatment-resistant epilepsy: a consecutive series of 141 cases. *Journal of Neurosurgery: Pediatrics* 7(5):491-500, 2011.

4. Shvartsbeyn M, **Bassani L**, Mikolaenko I and Wisoff J. Brain metastasis of Wilms' tumor with diffuse anaplasia and complex cytogenetic phenotype in a child with neurofibromatosis type 1: Case Report. *Journal of Neurosurgery: Pediatrics* 8:353-356, 2011.
5. **Bassani L** and Harter DH. Paraspinal subfascial placement of lumbar intrathecal baclofen catheters: short-term outcomes of a novel technique. *Journal of Neurosurgery: Pediatrics* 9:93-98, 2012.
6. Rodgers SD, **Bassani L**, Weiner HL and Harter DH. Stereotactic endoscopic resection of a subependymal giant cell astrocytoma: case report and surgical management. *Journal of Neurosurgery: Pediatrics* 9(4): 417-420, 2012.
7. Riina HA, Burkhardt JK, Santillan A, **Bassani L**, Patsalides A, Boockvar JA. Short-term clinico-radiographic response to super-selective intra-arterial cerebral infusion of bevacizumab for the treatment of vestibular schwannomas in neurofibromatosis type 2. *Interventional Neuroradiology* 18(2):127-32, 2012.
8. Harter DH, **Bassani L**, Rodgers S, Roth J, Devinsky O, Carlson C, Wisoff JH and Weiner HL. A management strategy for intraventricular subependymal giant cell astrocytomas in tuberous sclerosis complex. *Journal of Neurosurgery: Pediatrics* 13(1)21-28, 2014.
9. **Bassani L**, Graffeo CS, Behrooz N, Tyagi V, Wilson T, Penaranda S, Zagag D, Rifkin DB, Barcellos-Hoff MH, Fatterpekar G and Placantonakis D. Non-Invasive diagnosis and management of spontaneous intracranial hypotension in patients with marfan syndrome: case report and review of the literature. *Surg Neurol Int*, 5(8), 2014.
10. Hernandez RN, Changa AR, **Bassani L**, Jyung RW and Liu JK. Cerebrospinal fluid otorrhea and pseudomonal meningitis in a child with monodysplasia: case report. *Journal of Neurosurgery: Pediatrics* 2015 (submitted)
11. Changa AR, Meleis A, and **Bassani L**. Delayed Occipital Artery Pseudoaneurysm in a 16 Year Old Male Following Blunt Force Trauma: Case Report and Review of the Literature. *Journal of Neurosurgery: Pediatrics* 2015 (submitted).
12. Engler J, **Bassani L**, Ma T, Tanweer O, Elliott RE, Harter DH, and Wisoff JH. Open and endoscopic excision of calvarial dermoid and epidermoid cysts: a single center experience on 128 consecutive cases. *Journal of Neurosurgery: Pediatrics* (in preparation)

B. Books, Monographs and Chapters

1. **Bassani L** and Brockmeyer DL. Disorders of the Vertebral Column. In: Cohen AR, ed. Pediatric Neurosurgery: Tricks of the Trade. New York, NY: Thieme; 2014. (in publication).
2. **Bassani L** and Riva-Cambrin JK. Shunt infection and their treatments. In: Winn D, ed. Youman's Neurological Surgery, Seventh Edition. New York, NY: 2015. (in publication).

## **PRESENTATIONS:**

### **A. Invited Oral Presentations:**

Pediatric neurosurgery update: from a novel baclofen pump technique to neuroendoscopic advancements. **Bassani L.** Neurosurgical Grand Rounds, New York University Langone Medical Center. New York, NY. May 2011.

Subependymal giant cell astrocytoma in tuberous sclerosis complex: current trends and future directions. **Bassani L.** New York State Neurosurgical Society Resident Research Night, New York, NY. July 2011.

Intraventricular endoscopy: common utilization & technique and complication management & avoidance. **Bassani L.** Neurology and Neurosurgery Grand Rounds, Stony Brook University Hospital. Stony Brook, NY. May 2013.

Neuroendoscopy in pediatric neurosurgery: novel techniques and new successes. **Bassani L.** Neurology and Neurosurgery Grand Rounds, New Jersey Medical School, Rutgers University. Newark, NJ. October 2013.

Chiari malformations: spectrum of disease and management. **Bassani L.** Neurology and Neurosurgery Grand Rounds, New Jersey Medical School, Rutgers University. Newark, NJ. February 11, 2015.

Pediatric neurosurgery for pediatricians: common pediatric neurosurgical pathology and management strategies. **Bassani L.** Pediatric Grand Rounds, New Jersey Medical School, Rutgers University. Newark, NJ. February 27, 2015.

Pediatric neurosurgery: common pediatric neurosurgical pathology and management strategies. **Bassani L.** Peter W. Carmel Neurosurgical Society, New Jersey Medical School, Rutgers University. Newark, NJ. March 4, 2015.

Craniosynostosis and craniofacial abnormalities: a neurosurgical perspective. **Bassani L.** Oral-Maxillofacial Surgery Grand Rounds, New Jersey Medical School, Rutgers University. Newark, NJ. March 18, 2015.

Pediatric neurosurgery for pediatricians: common pediatric neurosurgical pathology and management strategies. **Bassani L.** Pediatric Grand Rounds, Newark Beth Israel Medical Center. Newark, NJ. April 8, 2015.

### **B. Accepted Oral Presentations (Clinical/Basic Science):**

Vagus nerve stimulation for children with treatment refractory epilepsy: a consecutive series of 141 children  $\leq 18$  years of age. **Bassani L,** Elliott RE, Rodgers SD, Morsi A, Geller EB, Carlson C, et al. ANS/CNS Joint Section Pediatric Neurosurgery Annual Meeting, Cleveland, OH. November 2010

Open vs. endoscopic resection of calvarial inclusion cysts: a single center's experience with 128 consecutive cases. **Bassani L,** Ma T, Tanweer O, Engler J, Elliott R, Harter DH and Wisoff JH. AANS/CNS Joint Section on Pediatric Neurosurgery. Annual Meeting, Austin, TX. November 2011.

### **C. Poster/Abstract Presentations (Clinical/Basic Science)**

Predicting outcomes for endoscopic third ventriculostomy: a validation of the ETV success score. **Bassani L,** Hersch DS, Weiner H, Wisoff J and Harter DH. AANS/CNS

Joint Section on Pediatric Neurosurgery. Annual Meeting, Cleveland, OH. November 2010.

Resection of intraventricular subependymal giant cell astrocytomas in tuberous sclerosis complex: a review of 21 consecutive cases. **Bassani L**, Rodgers S, Roth J, Devinsky O, Carlson C, Wisoff JH, Weiner HL and Harter DH. AANS/CNS Joint Section on Pediatric Neurosurgery. Annual Meeting, Austin, TX. November 2011.

Paraspinal subfascial placement of lumbar intrathecal baclofen catheters: short-term outcomes of a novel technique. **Bassani L** and Harter DH. AANS/CNS Joint Section on Pediatric Neurosurgery. Annual Meeting, Austin, TX. November 2011.

Impact of surgeon experience on outcomes of craniopharyngioma resection in children: a single surgeon experience of 116 surgeries. Wisoff JH, Ma T, Tanweer O, Wisoff J, **Bassani L** and Elliott R. Presenting Author: AANS/CNS Joint Section on Pediatric Neurosurgery. Annual Meeting, Austin, TX. November 2011.

Neuroendoscopic resection of a subependymal giant cell astrocytoma: case report. **Bassani L**, Rodgers S, Weiner HL and Harter DH. AANS/CNS Joint Section on Pediatric Neurosurgery. Annual Meeting, Austin, TX. November 2011.

The use of preoperative MR sequences in evaluating pre-pontine cistern anatomy for prognosticating ETV+CPC success in infantile hydrocephalus. **Bassani L** and Riva-Cambrin J. AANS/CNS: Joint Section on Pediatric Neurosurgery. Top 40 Poster. Annual Meeting, Toronto, CA. December 2013.