

American Society of Pediatric Neuroradiology Personal Statement: Candidate for Board of Directors


I believe that the ASPNR serves an invaluable function as it promotes a sub specialty of neuroimaging which is underserved in neuroimaging divisions. My interest in the board of director position stems from my desire to engage with other pediatric neuroimagers at an administrative level. This, in turn, will allow me to further the sub specialty's interests at my institution.

I have been employed as a full time 100 percent neuroimager with both pediatric and adult responsibilities at the same teaching hospital/system for nearly 25 years (although the names of the institutions have changed). Aside from primary clinical duties, my interests include teaching and clinical research of pediatric neuroimaging. I have designed a pediatric neuroimaging didactic lecture series with specific lectures listed in my curriculum vitae. I have acted as a mentor for multiple radiology resident driven publications, posters and exhibits. For instance, I mentored a radiology resident, overseeing a poster regarding Microcephaly which was accepted at the American Society of Pediatric Neuroradiology. This paper was recently published as a review article.

I have moderated the Pediatric Neoplasm section at the second annual American Society of Pediatric Neuroradiology conference in January 2020 and have served a two year stint on the ASPNR Nominating and Governance Committee. I have recently been accepted as a core curriculum moderator for the upcoming annual meeting.

Please consider my application for the Board of Directors position.

Gordon Heller, MD



CURRICULUM VITAE

Gordon D. Heller
gordon.heller@mountsinai.org

APPOINTMENTS/EMPLOYMENT

Academic Appointments:

1999-2014 Albert Einstein College of Medicine
Assistant Professor of Radiology
Department of Radiology, Beth Israel Medical Center

2014-present Icahn School of Medicine at Mount Sinai
Associate Professor of Radiology
Department of Radiology-Mt. Sinai West

Hospital Employment:

1999- 2004 Beth Israel Medical Center, Singer Division, Assistant
Attending Radiology

2004- 2014 Beth Israel Medical Center: Associate Attending Radiology
Roosevelt Hospital: Associate Attending Radiology
St. Luke's Roosevelt Hospital: Associate Attending Radiology

2014-present Mt. Sinai Hospital: Attending Radiology
Mt. Sinai West: Associate Attending Radiology

Mt. Sinai Morningside: Associate Attending Radiology

Mt. Sinai Beth Israel: Associate Attending Radiology

Beth Israel Brooklyn: Associate Attending Radiology

Mt. Sinai Queens: Attending Radiology

New York Eye and Ear Infirmary: Associate Adjunct

GAPS IN EMPLOYMENT: not applicable

EDUCATION

1982-1987 Colgate University
BA Neuroscience
Cum Laude

1987-1991 State University of New York
Health Science Center at Syracuse
School of Medicine
Doctor of Medicine, May 1991
Honors awarded in clinical sciences:
Diagnostic Radiology, Dermatology/Allergy, Research in
Communication Disorders, Anatomical Dissection and
Preventive Medicine

Post Graduate Training:

1991-1992 Lenox Hill Hospital
Department of Surgery
Surgical Internship

1993-1997 Long Island College Hospital
Department of Radiology
Diagnostic Radiology Residency

1997-1998 Children's Hospital of Philadelphia
Department of Radiology
Division of Neuroradiology
Pediatric Neuroimaging Fellowship

1998-1999 Thomas Jefferson University Hospital
Department of Radiology
Division of Neuroradiology
Adult Neuroimaging Fellowship

CERTIFICATION

1992 9 National Board of Medical Examiners
1998 Diplomate of American Board of Radiology
1999 Certificate of Added Qualification in Neuroradiology
2009 Maintenance of Certification in Neuroradiology
2020 Maintenance of Certification in Neuroradiology

LICENSURE

1991 New York State- Number 189505
1997 Pennsylvania-inactive
1999 New Jersey-inactive

HONORS/AWARDS

Professional Society Membership:

1999 American Society of Neuroradiology, senior member
2001 American Society of Head and Neck Radiology, member 2001
2006 American Society of Pediatric Neuroradiology, member 2006

PATENTS: not applicable

OTHER PROFESSIONAL ROLES

2021 -2023	Member of the ASPNR Nominating and Governance Committee
2021-2023	Reviewer for Pediatric Radiology
2015-present	Neuroimaging representative of the Clinical Competency Committee for Mt. Sinai West radiology residency program
2013-2018	Neuroimaging representative of the Continuum Cancer Center Neuro Oncology Tumor Board.
2012-2014	Director of the Clinical Competency Committee Beth Israel Medical Center Neuroradiology fellowship
2009- 2014	Associate director of Neuroradiology fellowship Beth Israel Medical Center
2008-2014	Moderator for combined Neuroradiology and Neurosurgery grand rounds conference at Roosevelt Hospital
2007 to 2012	Reviewer for American Journal of Radiology

RESEARCH PROFILE

My past research interests emphasize pediatric neurologic and neuro-oncologic disease processes. Publications have focused on volumetric measurement of Gliomas in children and the assessment of optic pathway gliomas and visual acuity in children with Neurofibromatosis type 1.

I have collaborated with our adult neuro-ophthalmology division, with resultant peer review articles. I have evaluated imaging and its role in the diagnosis of third cranial nerve palsy, specifically, as it relates to posterior communicating aneurysms in adults. I have also published with the neuro-ophthalmology division an article describing the imaging findings of Idiopathic Hypertrophic Pachymeningitis.

I have acted as a mentor for multiple radiology resident driven publications, posters and exhibits. These resident's names are italicized below in the publication component of the Curriculum Vitae. For instance, I mentored a radiology resident at Mt Sinai-West, overseeing a poster regarding Microcephaly which was accepted at the American Society of Pediatric Neuroradiology inaugural meeting in 2018. This paper was recently published as a review article.

I have teamed with residents from the department of Endocrinology leading to an accepted poster regarding Hashimoto's Thyroiditis as a Predisposing State for Acute Dural Venous Sinus Thrombosis. I have had five articles accepted recently and continue to submit IRB approved papers for consideration.

CLINICAL PROFILE

As an Attending of Neuroradiology at Mount Sinai's Beth Israel, Morningside and Mount Sinai West Hospitals, I am a member of a team of neuroimagers providing head, neck and spine imaging services to our patients and patients of referring physicians. I am a board-certified radiologist with additional qualification in Neuroradiology with nearly 25 years of attending experience. As a neuroimager, I evaluate approximately 10,000 CT and MRI per annum.

I was the Associate Director as well as the Director of the Clinical Competency Committee of the Neuroimaging fellowship until its discontinuation in 2014.

In addition, I am currently a member of the Clinical Competency Committee for the Radiology residency. I have interviewed Radiology applicants interested in the Mt. Sinai West residency program.

Since 2008 and until 2014, I had moderated the combined Neuroradiology and Neurosurgery grand rounds conference at Roosevelt Hospital, interacting and educating the radiology and clinical house staff. As moderator, I administered the CME requirement for grand rounds.

From 2013 until 2018, I was a member of the Continuum Cancer Center Neuro-oncology Tumor Board and had served as the Neuroimaging liaison for treatment planning.

OVERALL IMPACT

Following my residency in diagnostic radiology, I completed a two-year fellowship in Neuroimaging at Children's Hospital of Philadelphia and Thomas Jefferson University Medical Center.

My subspecialty is pediatric neuroimaging. I have designed a pediatric neuroimaging didactic lecture series, which has been well received by radiology residents, the pediatric division of the neurology department and staff pediatricians. There are few dedicated fellowship opportunities in pediatric neuroradiology in the United States; consequently, my fellowship at Children's Hospital of Philadelphia has been of tremendous value to our house staff's education.

My specific interest in pediatric neuroimaging has afforded me the opportunity to interact with subspecialty pediatricians, including pediatric neurologists and pediatric neuro-oncologists. I am often asked by the referring clinical services to discuss MRI findings with patients and their families, a service not typically performed by radiologists, but one that I am pleased to accommodate.

These cultivated relationships, coupled with my formal fellowships, facilitate the opportunity to lecture outside my primary system.

In addition, I had been involved with Continuum's Emergency Radiology On Call Preparation course, given annually to junior residents from the tri state area, since its inception in 2007 until its termination in 2017. I have given grand rounds for the departments of Pediatrics and Neurology.

I moderated the Pediatric Neoplasm section at the second annual American Society of Pediatric Neuroradiology conference in January 2020. I have served a two year stint on the ASPNR Nominating and Governance Committee. I have recently been accepted as a moderator for the upcoming 6th annual meeting of the ASPNR to be held in San Diego January 2024.

DIVERSITY AND INCLUSION IMPACT: not applicable

MENTORING PROFILE:

I have and currently mentor several of our radiology residents within the residency at Mount Sinai West. These mentees primarily, but not exclusively, represent those who have expressed interest in pursuing Neuroradiology as a career.

GRANTS, CONTRACTS, FOUNDATION SUPPORT: not applicable

CLINICAL TRIALS PARTICIPATION: not applicable

TRAINEES

Neuroradiology fellowship Trainees: 2008-2014

TEACHING ACTIVITIES:

Teaching Activity/Topic	Level	Role	Level and Number of Learners Taught and Venue	Number of Hours Wk/Mo/Yr	Years Taught
Radiology Resident Rotation	Department Level	Attending	Radiology Residents (1-2)	10 hrs per Week	1999-present
Radiology Resident Conference	Department Level	Lecturer	Radiology Residents (44)	6 hrs per Year	1999-present
Neuroradiology/ Neurosurgery Conference	Multidisciplinary	Director	Neurosurgery Residents (1)	1 hr per Week	1999-2014
Continuum Cancer Center Neuro-oncology Tumor Board	Multidisciplinary	Neuro Radiology Attending	Residents (1) Fellows (2)	2 hrs per month	2013-2018

ADMINISTRATIVE LEADERSHIP APPOINTMENTS

INTERNAL:

Research or Clinical: not applicable

Teaching:

Developed pediatric neuroimaging component of residency and fellow conference system, including dedicated lectures:

Neurocutaneous Syndromes

Congenital Brain and Spinal Anomalies

Imaging of the Macrocephalic Child

Pediatric Spine Imaging

Pediatric Brain Tumors/Posterior Fossa and Suprasellar Masses

Congenital Infections and Neuroimaging Characteristics of Toxic and Metabolic Disease.

Imaging of Pediatric Orbital Disease

General Administration: not applicable

EXTERNAL:

1. Moderator for the second annual American Society of Pediatric Neuroradiology Conference session 10: Pediatric Brain Tumors- January 2020
2. Contributing member of the American Society of Pediatric Neuroradiology (ASPNR) Board of Directors as a of the ASPNR Nominating and Governance Committee- 2021-2022, 2022-23

PUBLICATIONS

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Peer Reviewed Original Contributions

1. Janss A, Rorke L, Goldwein J, **Heller G.** et al. Spinal ganglioglioma. *Medical and Pediatric Oncology*. 1998 31:116-22.
2. Flynn J, Shurland A, **Heller G.** et al. Tumor of the Cervical Spine in an 11 year old girl. *Clinical Orthopaedics and Related Research*. 1999 9:143-150.
3. Janss A, Grinberg A, **Heller G,** Ferry R. Proceeding of the Tumor Board of The Children's Hospital of Philadelphia: Neurooncology and Endocrine Interface; A Patient Who Earned Her Salt. *Medical and Pediatric Oncology*. 1999 33:413-17.
4. **Heller G,** Haller JO, Berdon WE Punctate thymic calcifications in infants with untreated Langerhans' cell histiocytosis: Report of four new cases. *Pediatric Radiology*. 1999 29:813-15.
5. Balcer L, Lui G, **Heller G.** Visual loss in children with Neurofibromatosis Type 1 and Optic Pathway Gliomas. Relation to tumor location by MRI. *American Journal of Ophthalmology*, 2001 131(4): 442-5.
6. Kupersmith M, Martin M., **Heller G.** Idiopathic Hypertrophic Pachymeningitis.. *Neurology*. 2004 62:686-94.
7. Kupersmith M, **Heller G.** MRI/MRA Evaluation of Third Nerve Palsies and Posterior Communicating Artery Aneurysms. *Neurology*. 2005 64(6):A2.
8. Kupersmith M, **Heller G,** Cox T. Magnetic resonance angiography and clinical evaluation of third nerve palsies and posterior communicating artery aneurysms. *J Neurosurgery*. 2006 105:228-234.
9. MacDonald SM, *Desai N.* **Heller G,** Rolnitzky L, Allen JC. MRI changes in the "normal" pineal gland following chemotherapy for suprasellar germ cell tumors. *Pediatric hematology & oncology* 2008 Jan-Feb 25(1):5-15.

10. Mitchell J, Medabalmi P, *Pastena G*, Raza S, **Heller G**, Allen J. Age dependent growth rates of diencephalic JPA and optic pathway glioma in children: an MRI volumetric analysis. *Neuro-Oncology*. 2008 Nov 10(5):893

Other Peer Reviewed Publications

1. *Gebara N*, **Heller G**, Phillips CD, Hatzoglou V. Fibrodysplasia Ossificans Progressiva: A case report of MR findings of FOP complicated by acute spinal cord compression. *Journal of Radiology Case Reports*. 2011 6(4)
2. *Park J*, Khodabakhsh K, **Heller G**. Mega Corpus Callosum in a Patient with Macrocephaly and Focal Motor Delay. *Journal of Pediatric Neuroradiology*. 2015 4:11–13.
3. *Yoon D*, *Park J*, Lezama L, **Heller G**. Pineal parenchymal tumor of intermediate differentiation: a rare differential diagnosis of pineal region tumors. *BJR Case Rep*. 2016 2:20150371.
4. **Heller GD**. Conservative management of a fourth ventricular epidermoid in a patient with Gardner syndrome. *Therapeutic Advances in Rare Disease*. 2020 January. 2633004020969702
5. *Verma S*, **Heller G**. Postnatal Imaging of the Microcephalic Pediatric Patient. *J Radiol Med Imaging*. 2021: 4(1); 1043-46
6. **Heller GD**. Migrational abnormality presenting with mass effect on an emergent non contrast CT of the brain. S8590-Radiology Case in Point. Accepted 4/7/20
7. **Heller GD**, *Duran A*. Meningioma of tuberculum sella and planum sphenoidale. S8763- Radiology Case in Point. Accepted 6/19/20
8. **Heller G**, P McGoldrick NP, S Wolf. Novel Intracranial Imaging Findings in a Patient with Gorlin Goltz Syndrome. *J Radiol Med Imaging*. 2021: 4(1) 1046.

Submitted publications

1. **Heller G.** Spontaneous Remission Of A Pineal Region Cyst. Neurology India. 2022.
2. **Heller G.** Benign Asymptomatic Cerebellar Neuroglial cyst. A case report and review of the literature. SN Comprehensive Clinical Medicine. 2022.
3. **Heller G.** Neuronal Migration Abnormalities in Patients with Normal Development and Without Seizures. J. of Ped Neurosciences. 2022
4. **Heller G.** Magnetic Resonance Imaging in the evaluation of Vasculopathy in the Morning Glory Anomaly. SN Comprehensive Clinical Medicine. 2022.

Peer Reviewed Original Contributions

Book Image **Headache and Facial Pain**

Newman L, MD, Levin M, MD, page 42 pachymeningeal enhancement

Books and Book Chapters- not applicable

Non-Peer Reviewed Publications- not applicable

INVITED LECTURES/PRESENTATIONS

Heller GD, Bilaniuk LT. Pediatric Optic Neuritis. American Society of Neuroradiology, 1998

Heller GD. Intramedullary spinal lesions : Radiographic Interpretation. Department of Neurology Grand Rounds. St. Lukes/Roosevelt Hospital, February, 2008

Heller GD. Pediatric Neuroimaging for the Pediatrician. Department of Pediatrics Grand Rounds. St. Lukes/Roosevelt Hospital, April 2009

Heller, GD. Pediatric Neuroimaging Lecture Series. Long Island College Hospital, 2001-2009

Heller, GD. Pediatric Neuroimaging Lecture Series Lenox Hill Hospital, 2007-2011

Heller GD. Congenital Brain Anomalies. Continuing Medical Education conference: Pediatric Neurology and Neurosurgical Updates. Continuum Health Partners Nov 2013, Nov 2015

Heller GD. Neuroimaging of Intracranial masses. ER prep course for Continuum Health Partners. March 2016, May 2015, May 2014, April 2012, March 2011, March 2010, Dec 2008, Dec 2007

Heller GD. Neuroimaging of Intracranial trauma. ER prep course for Continuum Health Partners. March 2016, May 2015, May 2014, April 2012, March 2011, March 2010, Dec 2008, Dec 2007

VOLUNTARY PRESENTATIONS

Poster Presentations

1. *Smith, P, Pal, C, Heller, G et al.* Hashimoto's Thyroiditis as a Predisposing State for Acute Dural Venous Sinus Thrombosis, October 2019 ; E. Chester Ridgway Trainee 89th Annual Meeting of the American Thyroid Association in Chicago, IL. Published electronically in *Thyroid* journal, supplemental issue, 2019
2. *Verma, S.; Heller, G.* MD Imaging of the Microcephalic Pediatric Patient. American Society of Neuroradiology, American Society of Pediatric Neuroradiology 2019

MEDIA RESOURCE EDUCATIONAL MATERIALS

Electronic Learning Center Lectures at National Radiology Neuroradiology Conferences

1. *Rulnick A, Heller GD.* Where Do I Draw the Line? Review of Migrational Anomalies, Gray Matter Heterotopias and Cortical Dysplasias. Radiologic Society of North America, November 2006
2. *Huang, B, Heller GD.* MRI of Pediatric Seizure, American Roentgen Ray Society, May 2011
3. *Mahmood, S; Koney NO, Heller GD.* Imaging of the Macrocephalic Pediatric Patient, American Society of Neuroradiology, April 2015