

CURRICULUM VITAE

Matthew R. Plunk MD

Assistant Professor
Department of Radiology

OFFICE ADDRESS:

9000 West Wisconsin Avenue

Milwaukee, WI 53226

EDUCATION:

08/2000 - 05/2005 B.S. Biology Honors/Chemistry, Magna Cum Laude, University of Illinois, University of Illinois, IL

09/2005 - 06/2009 Doctor of Medicine, University of Illinois College of Medicine, Peoria, IL

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/2009 - 06/2010 Internship, Swedish Medical Center, Seattle, WA 98195

07/2009 - 06/2014 Residency, Diagnostic Radiology, University of Washington, Seattle, WA 98195

07/2014 - 06/2015 Fellow, Pediatric Radiology, Radiology, Cincinnati Children's Hospital Medical Center, 3333 Burnet Ave, Cincinnati, OH 45229

07/2015 - 06/2016 Fellow, Pediatric Interventional Radiology, Radiology, Texas Children's Hospital, 6621 Fannin St, Houston, TX 77030

FACULTY APPOINTMENTS:

07/2016 - Present Assistant Professor of Radiology, Department of Pediatric Radiology, Children's Wisconsin, 9000 W. Wisconsin Avenue, MS-721, Milwaukee, WI 53226

HOSPITAL STAFF PRIVILEGES:

07/2016 - Present Assistant Professor, Radiology, Pediatric, Children's Wisconsin, 8915 W. Connell Ct., Milwaukee, WI 53226

07/2016 - Present Assistant Professor, Radiology, Froedtert Hospital, 9200 W. Wisconsin Ave., Milwaukee, WI 53226

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
American Board of Radiology	03/2016	None
Subspecialty in Pediatric Radiology	10/2018	None

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Wisconsin License	65540-20	04/2016	10/2027

AWARDS AND HONORS:

2005 Magna Cum Laude (Undergraduate), University of Illinois

2008 Alpha Omega Alpha (Medical School, Junior), University of Illinois College of Medicine

2009 Graduation with Honors, University of Illinois College of Medicine

2010 Sven Gomez "Surgery Intern of the Year, Swedish Medical Center

2012 Resident Peer Teacher of the Year Award, University of Washington
2014 Outstanding Resident Leadership Award, University of Washington
2014 Resident Medical Student Educator of the Year, University of Washington
2019 - 2020 MCW Outstanding Medical Student Teacher, Medical College of Wisconsin

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

2010 - Present Radiology Society of North America
2014 - Present Society of Pediatric Radiologists

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

2024 - Present Children's Oncology Group: Renal tumor section committee member

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title: Project Photodynamic therapy (PDT) for benign cutaneous neurofibromas
Source: Children's Wisconsin / Ben's Research Fund
Role & Effort: Co-Investigator
PI: Harry Whelan, MD
Dates: 02/2022 - Present
Direct Funds: \$195,810

Title: Lung Point-of-Care Ultrasound in the Management of Bronchopulmonary Dysplasia
Source: Children's Wisconsin
Role & Effort: Co-Investigator
PI: Dr. Ruby Gupta
Dates: 01/2025 - Present

Prior

Peer Review

Title: Magnetic Resonance Enterography and endoscopy findings to quantitative MRI motility sequence as a measure of inflammation in pediatric Crohn's disease
Source: Investigator initiated
Role & Effort: Co-Investigator
PI: Joshua Noe, MD
Dates: 11/2021 - 06/2023

Title: ComPLET: Comparing effectiveness of PICC vs. long peripheral catheter for non-central vascular access indications
Source: Children's Wisconsin
Role & Effort: Co-Investigator
PI: Alina Burek, MD
Dates: 08/2022 - 10/2023

Non-Peer Review

Title: Percutaneous, ultrasound guided muscle biopsy for evaluation of myopathy

Source:	Investigator initiated
Role & Effort:	Co-Investigator
PI:	Matthew Harmelink MD
Dates:	12/2020 - 06/2021

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

National

- Plunk M, Bhargava P, Lee J, Wang C, Vaidya S, Dighe M, Elojimy S, Multimodality Staging and Treatment Options of Renal Cell Carcinoma. LL-URE2482. RSNA 2011, RSNA, Chicago Illinois, 11/27/2011 - 12/02/2011
- Plunk M, Lee J, Bhargava P, Dighe M, Dubinsky T, Multimodality Imaging of Endometrial Cancer: Comprehensive Review including Staging and Re-staging Using Revised FIGO Criteria. Exhibit LL-OBE2617. RSNA 2011. Certificate of Merit, 2011 RSNA, Chicago Illinois, 11/27/2011 - 12/01/2011
- Elojeimy S, Moshiri M, Plunk M, Bhargava P, Rohrmann C, Retroperitoneal Spaces: Anatomy and Pattern of Disease Spread. LL-GIE2786. RSNA 2011, RSNA, Chicago Illinois, 11/27/2011 - 12/02/2011
- Plunk M, Mitsumori L, Wang C, Dighe M, Testicular Mircrolithiasis. Exhibit E592, ARRS, Vancouver, Britich Colombia, Canada, 04/29/2012 - 05/01/2012
- Plunk M, Lee J, Kani K, Dighe M., Postpartum Complications. Scientific poster Exhibit E570, ARRS, Vancouver, Britich Colombia, Canada 4/29/2012-5/4/2012, 04/29/2012 - 05/04/2012
- Plunk M, Wilson S, Fink J., The Utility of Follow up Imaging in the Diagnosis os Spontaneous Lobar Intraparenchymal Hemorrhage., RSNA, Chicago, IL, 12/01/2013 - 12/06/2013
- Plunk M, Towbin A, Trout A, Gupta A, Sheridan R, Do MRI Imaging Features Predict Tumor Histology in Hepatoblastoma?, SPR, Washington, DC, 04/27/2015 - 05/01/2015
- Plunk M, Trout A, Gellar J, Tiao G, Towbin A, High Frequency of Hepatic Vascular Abnormalities in Children with Hepatoblastoma, SPR, Washington, DC, 04/27/2015 - 05/01/2015

Regional

- Mentors: Alex Towbin, MD and Andrew Trout, MD, Radiogenomics analysis of hepatoblastoma, SPR, 2011 - 2015
- Mentor: James Fink, MD. Partner: Sean Wilson, MD., Retrospective study of patients treated for spontaneous lobar intraparenchymal hemorrhage, Abstract RSNA 2013, 2011 - 2014

Local

- Plunk M, Internal Jugular Venous Aneurysm in a Patient with Neurofibromatosis, Scientific poster presented at University of Illinois College of Medicine Research Symposium, College of Medicine Research Symposium, 05/16/2009 - Present

COMMITTEE SERVICE:

Hospital

- 2023 - Present CT Dose and Protocol Review, Committee Member, Pediatrics, Radiology, Children's Wisconsin

EXTRAMURAL TEACHING:

Graduate Student Education

- 09/07/2023 Children's Wisconsin, Peds - Resident Lecture 12p-1p "Pediatric Endocrine Imaging"

Resident and Fellow Education

- 01/22/2018 Children's Wisconsin, Pediatric Resident Lecture 12p - 1p "Pediatric Biopsy"
- 03/05/2018 Children's Wisconsin, Resident Lecture 12p-1p "Pediatric Central Access"
- 04/03/2018 Froedtert, FMLH Froedtert Resident Lectures 7:30a-8:30a "Pediatric GI Potpourri"
- 07/16/2018 Children's Wisconsin, Peds - Resident Lecture 12p-1p "Pediatric Lymphatic Imaging and Interventions"
- 08/09/2018 Children's Wisconsin, Peds - Resident Lecture 12p-1p "Pediatric Radiation Safety"
- 08/13/2018 Children's Wisconsin, Peds - Resident Lecture 12p-1p "Contrast Agents in the Pediatric

Population”

10/22/2018 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Mediastinal Masses in Children”

11/01/2018 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Radiation Safety”

11/19/2018 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric GI Imaging”

12/17/2018 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Contrast Agents in the Pediatric Population”

03/14/2019 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Biopsy”

04/11/2019 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Endocrine Imaging”

06/06/2019 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Lymphatic Imaging and Interventions”

08/01/2019 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric GI Imaging”

08/29/2019 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Radiation Safety”

09/12/2019 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Biopsy”

10/07/2019 Froedtert, FMLH Froedtert Resident Lectures 7:30a-8:30a "Pediatric GI Potpourri"

10/07/2019 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Endocrine Imaging”

11/07/2019 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Mediastinal Masses in Children”

11/21/2019 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Endocrine Imaging”

12/05/2019 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Lymphatic Imaging and Interventions”

10/29/2020 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Mediastinal Masses in Children”

01/14/2021 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Central Access”

02/11/2021 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Contrast Agents in the Pediatric Population”

02/25/2021 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Radiation Safety”

03/11/2021 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Endocrine Imaging”

05/06/2021 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Biopsy”

05/20/2021 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Contrast Agents in the Pediatric Population”

07/27/2021 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Lymphatic Imaging and Interventions”

10/05/2021 Froedtert, FMLH Froedtert Resident Lectures 7:30a-8:30a "Pediatric GI Potpourri"

10/28/2021 Children's Wisconsin, Peds - Res Lecture 12p-1p "Case Review"

01/06/2022 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Radiation Safety”

03/17/2022 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Mediastinal Masses in Children”

03/31/2022 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Biopsy”

04/06/2022 Froedtert, FMLH Froedtert Resident Lectures 7:30a-8:30a "Pediatric GI Potpourri"

04/07/2022 Froedtert, FMLH Froedtert Resident Lectures 7:30a-8:30a “Mediastinal Masses in Children”

09/01/2022 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Biliary Atresia”

10/04/2022 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Endocrine Imaging”

10/04/2022 Froedtert, FMLH Froedtert Resident Lectures 7:30a-8:30a “Contrast Agents in the Pediatric Population”

02/02/2023 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Contrast Agents in the Pediatric Population”

05/11/2023 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Lymphatic Imaging and Interventions”

06/22/2023 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Endocrine Imaging”

08/10/2023 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Radiation Safety”

10/04/2023 Froedtert, FMLH Froedtert Resident Lectures 7:30a-8:30a "Pediatric GI Potpourri"

01/11/2024 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Mediastinal Masses in Children”

04/01/2024 Froedtert, FMLH Froedtert Resident Lectures 7:30a-8:30a "Pediatric GI Potpourri"

04/22/2024 Froedtert, R3 Core Lecture 7:30a-8:30a “Contrast Agents in the Pediatric Population”

04/24/2024 Froedtert, R3 Core Lecture 7:30a-8:30a “Mediastinal Masses in Children”

04/25/2024 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Biopsy”

05/16/2024 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Biliary Atresia”

06/27/2024 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Contrast Agents in the Pediatric Population”

08/22/2024 Children's Wisconsin, Peds - Resident Lecture 12p-1p “Pediatric Central Access”

11/21/2024 Children's Wisconsin, Peds - Resident Lecture 12p-1p "Pediatric Lymphatic Imaging and Interventions"
01/16/2025 Children's Wisconsin, Peds - Resident Lecture 12p-1p "Pediatric Endocrine Imaging"
04/01/2025 Froedtert, R3 Core Lecture 7:30a-8:30a "Endocrine Imaging"
04/03/2025 Froedtert, FMLH Froedtert Resident Lecture 7:30a-8:30a "Pediatric Lymphatic Imaging"

MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:

Residents

07/2018 - 06/2019 Matthew Shore, MD, Clinical Mentor, Medical College of Wisconsin
07/2018 - 06/2019 Matthew Shore, MD, Clinical Mentor, Medical College of Wisconsin
07/2019 - 06/2020 Kent Cabatingan, MD, Clinical Mentor, Medical College of Wisconsin
07/2020 - Present Dylan Applin, MD, Clinical Mentor, Medical College of Wisconsin
07/2020 - 06/2021 Samba Binagi, MD, Clinical Mentor, Medical College of Wisconsin
07/2023 - 07/2025 Melanie Duhamel, MD, Clinical Mentor, Medical College of Wisconsin

PROGRAMMATIC DEVELOPMENTS:

Research Programs

2007 - Present Research program

Clinical Programs

03/2010 - Present Interdisciplinary Thyroid Team
07/2016 - Present Vascular Anomalies Clinic
07/2016 - Present Multidisciplinary Solid Tumor Conference
08/2018 - Present Lymphatic Imaging/Service
08/2018 - Present HHT/Pulmonary AVM Clinic
01/2025 - Present Contrast Enhanced Ultrasound

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Kelly B, Goeser L, Plunk M, Carlberg V. Ped. Derm. A 14-year-old female with a well demarcated nodule on the wrist (Photoquiz). 27 March 2023 <https://doi.org/10.1111/pde.15288>
2. Shum A, Beydoun A, Khalifee E, Carlberg, V, Plunk M, Chun R. Int. J. of Pediatr. Otorhinolaryngol. Preoperative n-BCA Embolization in the Resection of Submandibular Lymphatic Malformations Refractory to Sclerotherapy Treatment: Pilot Case Series. March 2023 International Journal of Pediatric Otorhinolaryngology 168(12 Pt 1):111510 DOI: 10.1016/j.ijporl.2023.111510
3. Georgeades C, Rothstein A, Plunk M, Arendonk K. Iatrogenic vascular trauma and complications of vascular access in children. Semin Pediatr Surg. 2021 Dec;30(6):151122
4. Bhat M, Plunk M, Basel D, Hanson S. Cyanosis in a Previously Well Child. Pediatr Rev. 2021 Nov;42(11):619-624.
5. Kumbhar S, Plunk M, Nikam R, Boyd K, Thakrar P. Complications of percutaneous gastrostomy and gastrojejunostomy tubes in children. Pediatr Radiol. 2020 Mar;50(3):404-414
6. Plunk M, Oda D, Parnell S, Wright J, Cole B, Iyer R. Focal Benign Disorders of the Pediatric Mandible With Radiologic-Histopathologic Correlation: Mandibular Development and Lucent Lesions. AJR Am J Roentgenol. 2017 Jan;208(1):180-192
7. Plunk, M, Chapman T. The Fundamentals of Fetal MR Imaging: Parts 1 & 2. Curr Probl Diagn Radiol. 2014 Nov-Dec; 43(6):331-346
8. Plunk M, Lee J, Kani K, Dighe M. Postpartum Complication: A Multimodality Review. AJR Am J Roentgenol. 2013 Feb; 200(2):W143-5
9. Plunk M, Pipavath S. Book Chapter: Imaging Techniques and Imaging of the Chest. Principles of Respiratory Medicine. JP Borthers Medical Publishers. New Delhi
10. Srivatsa S, Al-Hadidi A, Stanek J, Horvath K, Parsons L, Martinez-Rios C, Hopp A, Engle S, Plunk M,

- Shapira-Zaltsberg G, Nagar S, Masters S, Al-Katib S, Tucker R, Atweh LA, Shah S, Bobbey A, Hoffman R, Aldrink JH, Srivatsa S, Al-Hadidi A, Stanek J, Horvath K, Parsons L, Martinez-Rios C, Hopp A, Engle S, Plunk M, Shapira-Zaltsberg G, Nagar S, Masters S, Al-Katib S, Tucker R, Atweh LA, Shah S, Bobbey A, Hoffman R, Aldrink JH. Assessing the Diagnostic Accuracy of TI-RADS in Pediatric Thyroid Nodules: A Multi-institutional Review. *J Pediatr Surg*. 2025
11. Burek A, Porada K, Plunk M, Corey Bauer S, Liegl M, Pan A, Flynn E, Brousseau D, Gedei R, Ullman; A Comparing Midline and Peripherally Inserted Central Catheters—A Randomized Feasibility Trial. *Hosp Pediatr* 2025
 12. McSorley B, Plunk M, Chai SA, Pan AY, Noe J. Comparing magnetic resonance enterography and endoscopy findings to the motility of magnetic resonance imaging in pediatric Crohn's disease. *Pediatr Radiol*. 2025
 13. Trout AT, Squires JH, Rees MA, Plunk MR, Murati MA, Marine MB, Browne LP, Anupindi SA, Abu-El-Haija M. Consensus Minimum MRI Protocol for the Child With Acute Recurrent or Chronic Pancreatitis. *AJR Am J Roentgenol*. 2024

Books, Chapters, and Reviews

1. Plunk, M. , Pipavath, S., Book Chapter: Imaging Techniques and Imaging of the Chest. Principles of Respiratory Medicine. JP Borthers Medical Publishers. New Delhi