

MARY ELIZABETH McCARVILLE, M.D.

St. Jude Children's Research Hospital
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1. Current Position at St Jude

Chief, Clinical Radiology 2018-present
Department of Diagnostic Imaging
St. Jude Children's Research Hospital
Memphis, TN 38105

Body Imaging Section Chief, Department of Diagnostic Imaging 2016-Present
St. Jude Children's Research Hospital
Memphis, TN 38105

2. Education and Training

Radiologic Technologist, Iowa Methodist Medical Center, School of Radiologic Technology,
Des Moines, IA 1977

B.S. University of Iowa, Iowa (With Honors in Biology), Iowa City, IA 1986

M.D. University of Iowa College of Medicine, Iowa City, IA 1990

3. Professional Career

Radiologic Technologist, 1977-1978
Broadlawns Polk County Hospital,
Des Moines, IA

Radiologic Technologist, 1978-1982
Iowa Methodist Medical Center,
Des Moines, IA

Radiologic Technologist (part time), 1982-1988
University of Iowa Hospitals and Clinics,
Iowa City, IA

Resident, Diagnostic Radiology, 1990-1994
St. Louis University Medical Center,
(Dr. Murali Sundaram, Program Director)
St. Louis, MO

Fellow, Pediatric Radiology, 1994-1995
The Hospital for Sick Children,
(Dr. Alan Daneman, Program Director)
Toronto, Ontario, Canada

Assistant Professor of Pediatric Radiology, 1995-1998

Children's Hospital of Oklahoma,
Oklahoma City, OK

Assistant Member, 1998-2006
Department of Diagnostic Imaging,
St. Jude Children's Research Hospital,
Memphis, TN

Assistant Professor of Radiology, 1998-2008
University of Tennessee Health Science Center College of Medicine,
Memphis, TN 1998-2008

Associate Member, 2006-2014
Department of Radiological Sciences,
St. Jude Children's Research Hospital,
Memphis, TN 2006-2014

Faculty Member, 2006-2007
College of Graduate Health Sciences,
Biomedical Engineering and Imaging Program,
University of TN Health Science Center,
Memphis, TN

Associate Professor of Radiology, 2008-2014
University of Tennessee Health Science Center College of Medicine,
Memphis, TN

Member, 2014-present
Department of Diagnostic Imaging,
St. Jude Children's Research Hospital,
Memphis, TN

Full Professor, 2014-present
University of Tennessee Health Science Center College of Medicine,
Memphis, TN

Graduate Faculty, 2015-present
St. Jude Graduate School of Biomedical Sciences,
St. Jude Children's Research Hospital,
Memphis, TN

Section Chief, 2016-present
Body Imaging,
Department of Diagnostic Imaging,
St. Jude Children's Research Hospital,
Memphis, TN

Chief, Clinical Radiology 2018-present
Department of Diagnostic Imaging
St. Jude Children's Research Hospital
Memphis, TN

Interim-Chair 2022-present
Department of Diagnostic Imaging
St. Jude Children's Research Hospital
Memphis, TN

4. Certifications and Licensure

Certification:

American Board of Radiology	1994
ABR Certificate of Added Qualification, Pediatric Radiology	1997-2007
ABR Maintenance of Certificate of Added Qualification, Pediatric Radiology	2008-2017

Licensure:

Tennessee	1998-present
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5. Professional Memberships

American Institute of Ultrasound in Medicine	
Senior member	2004
Secretary - Neurosonology Community of Practice Committee	2009-2011
Vice Chair - Neurosonology Community of Practice Committee	2011-2013
Chair -Neurosonology Community of Practice Committee	2013-2015
Member -Patient Education and Resource Committee	2009-2010
Communications Representative -Contrast Enhanced Ultrasound Community	2012-2013
Member, Annual Meeting, Scientific Abstract Review Committee	2020-2022
American Roentgen Ray Society	1995-present
Children's Oncology Group	
Member - Radiology Discipline Committee	2002-present
Member - Rare Tumors Committee	2002-present
Member - Young Investigators Committee	2002-2004
Member- Organizing Committee and Guest Editor, PBC Supplement on Ped Onc Imaging	2020-present
International Cancer Imaging Society	
Invited Fellow	2006-present
President-Elect	2013-2015
President	2015-2016
Member, Executive Board	2019-2022
National Cancer Institute	
Cancer Imaging Steering Committee	
Alternate Representative for the Children's Oncology Group	2010-2015
Radiological Society of North America	1995-present
Invited member, Quantitative Imaging Biomarkers Alliance	2015-present
Ultrasound Committee	
Society for Pediatric Radiology	1995-present
Member, SPR Annual Meeting, Scientific Exhibit Review Committee	2003-2004 2009-2010 2015
Chair, Scientific Exhibit Review Committee	2011-2014

Member, SPR Annual Meeting, Paper Review Committee	2009- 2010 2014-2022
Member, Ad Hoc Ultrasound Committee	2003-2010
Ultrasound Committee liaison to the Safety Committee	2006-2010
Member Contrast Ultrasound Task Force	2011-2014
Member Pediatric Oncology Committee	2011-present
Board of Directors	2014-2017
Vice-Chair, Contrast Ultrasound Task Force	2015-2017
Chair, Contrast Ultrasound Task Force	2017-2020
Co-Chair, Pediatric Oncologic Imaging, Post-Grad Course	2021-2022
Society of Radiologists in Ultrasound	2013-present
International Contrast Ultrasound Society, Invited Faculty	2013-present
International Soft Tissue Sarcoma Consortium (INSTRuCT), Invited Member	2021-present
Lead, Imaging Guidelines for Rhabdomyosarcoma Writing Committee	2021-present

6. Editorial Board Appointments

Pediatric Radiology April 2011- present

7. Honors and Awards

1. Barry Freeman Memorial Fellowship for overseas medical studies, the University of Iowa, College of Medicine, 1990.
2. Certificate of Merit from the Society for Pediatric Radiology presented at the 2004 annual meeting, for the scientific exhibit: Not all ¹⁸F₂FDG-Avid Sites Represent Active Disease in Pediatric Hodgkin's. Kaste SC, Howard S, **McCarville MB**, Krasin MJ, Hudson MM.
3. John Caffey Award for Best Basic Science Research presented at the 2005 annual meeting of the Society for Pediatric Radiology: Quantitative Measurement of Microbubble Ultrasound Contrast Agent Flow To Assess the Efficacy of Angiogenesis Inhibitors In Vivo. **McCarville B**, Streck C, Li C-S, Davidoff A.
4. Recognized in *Best Doctors in America*®, 2009-present
5. Certificate of Merit from the Society for Pediatric Radiology presented at the International Paediatric Radiology Congress, May 27th-31st, 2011, London, UK, for the scientific exhibit: Ultrasound and Magnetic Resonance Imaging Features of Unusual Ocular Disease in Children with Clinical and Pathological Correlation. **McCarville MB**, Kaste SC, Wilson W.
6. Certificate of Merit from the Radiological Society of North America presented at the 2014 meeting of the RSNA for the scientific exhibit entitled: Shedding Light on Pediatric Inflammatory Pseudotumor and Other Related Fibroblastic/Myofibroblastic Tumors. Lai L, Sato Y, **McCarville MB**, Kirby P, Kao S, Clark E, Ishigami K, Moritani T.
7. Invited Fellow, International Cancer Imaging Society, October 2006-present
8. Invited Faculty, International Contrast Ultrasound Society, September 2013-present
9. Invited member, Caffey Society, June 2014-present
10. Ovation Award, St. Jude Children's Research Hospital, April 2015
11. John Caffey Award for Best Clinical Science Paper presented at the 2015 annual meeting of the Society for Pediatric Radiology: Contrast Enhanced Ultrasound in the Assessment of Pediatric Solid Tumor Response to

Anti-Angiogenic Therapy. **McCarville MB**, Coleman J, Guo J, Li Y, Li X, Navid F.

12. Recognized in *Best Doctors in Memphis*®, 2018, 2019
13. Recognized for excellence in reviewing by *Pediatric Radiology*, 2018, 2019
14. The Gold Medal Award, Society for Pediatric Radiology, April 27, 2022

8. Institutional and Committee Assignments

1. Member, Child Abuse Case Review Committee, Children's Hospital of Oklahoma, Oklahoma City, OK (1996-1998)
2. Chair, Medical Records and Utilization Review Committee, St. Jude Children's Research Hospital (1999-2003)
3. Member, Medical Executive Committee, St. Jude Children's Research Hospital (1999-2002)
4. Member, Radiation Safety Committee, St. Jude Children's Research Hospital (1999-2002)
5. Member, Educational Program Committee, St. Jude Children's Research Hospital (1999-2001)
6. Chair, Pregnancy Screening Task Force, St. Jude Children's Research Hospital (2000-2002)
7. Member, Credentials Committee, St. Jude Children's Research Hospital (2001-2003)(2006-2013)(2018-present)
8. Member, Institutional Review Board, St. Jude Children's Research Hospital (2002-2005)
9. Member, Patient Education Committee, 2006-2008
10. Member, Operating Room Committee, 2006-present
11. Member, Radiological Sciences Protocol Review Committee, 2008-2010
12. Chair, Diagnostic Imaging Protocol Review Committee, January 2011-2018
13. Vice-Chair, Medical Executive Committee, 2016-2017
14. Chair, Patient Care Council, 2016-2017
15. Chair, Medical Executive Committee, 2017-2018
16. Quality Patient Safety Committee, 2017-present
17. Member, MEC, 2018-present
18. Member, Clinical Operations Leadership Council 2019-present
19. Member, Diagnostic Imaging Clinical Triad +, 2019-present

9. Professional Administrative Services

1. Member, Organizing Committee, Neurosonology Section, American Institute of Ultrasound in Medicine, Annual Meeting, 2009-2013
2. Chair, Organizing Committee, Neurosonology Section, 2013-2015
3. Member, Organizing Committee, International Cancer Imaging Society Annual Meeting, 2013-2015
4. Chair, Organizing Committee, International Cancer Imaging Society Annual Meeting, 2015-2016
5. Course Organizer and Co-Chair, Society for Pediatric Radiology, Pediatric Oncologic Imaging Course, 2017-2018
6. Co-Organizer, Pediatric Oncologic Imaging Course, sponsored by St. Jude Children's Research Hospital, 2020
7. Member of the International Soft Tissue Sarcoma Consortium (INSTRuCT) 2020-present
8. Co-chair, organizer, Society for Pediatric Radiology, Pediatric Oncologic Imaging, Post-Grad Course, 2021-present
9. Lead, International Soft Tissue Sarcoma Consortium (INSTRuCT), Imaging Guidelines for Rhabdomyosarcoma Writing Committee, 2021-present

10. Formal Education/Teaching Activities

Mentoring:

1. JoAnn Vohar, summer POE student, 2000
2. *Scott Adelman, POE student, 2001-2003
3. *Moon Lee, summer POE student, 2002
4. *Janell Thompson, summer POE student, 2003
5. *Ellen Barton, UT NIH funded summer research, 2003
6. *Jason Cameron, radiology resident research, 2003-2004
7. *Eric Romano, radiology resident research, 2003-2004
8. *Ryan Christie, radiology resident research, 2003

9. *Geoff Goodin, Post-Doctoral Fellowship in Diagnostic Imaging, July 2005-June 2006
 10. *Sarah Whittle, POE summer student, 2006
 11. Bharti Gogula, Faculty Advisor, Masters Student Committee in Biomedical Engineering and Imaging, U of TN College of Health Sciences, 2006-2007
 12. *Nick Monu, summer POE student, 2007
 13. *Jim Chen, summer POE student, 2009, first place paper POE program
 14. *Sofia Muzzafar, pediatric oncologic imaging fellow, 2012-2013
 15. *Sara Federico, MD, St. Jude Hem-Onc Fellow, 2012-2013
 16. *Rachel Brennan, MD, St. Jude Hem-Onc Fellow, 2011-2012
 17. Adrian Terry, radiology resident research, August-November, 2013
 18. Shana Stoddard, PhD, Post-Doctorate Clinical Shadowing Program, March, 2015.
 19. *Jamie Coleman, MD, junior faculty, St. Jude, Diagnostic Imaging, 2009-2018
 20. *Tuan Dao, MD, junior faculty, St. Jude, Diagnostic Imaging 2015-2017
 21. *Rodrigo Interiano, MD, UT Surgery resident, 2014-2015.
 22. *Caitlyn Hurley, MD, St. Jude Hem-Onc Fellow, 2015-2016
 23. *Michael Bishop, MD, St Jude junior faculty, 2015-2016
 24. *Austin Ostermier, summer POE student, 2014-2015.
 25. *Lillian Lai, U of Iowa, Radiology resident. 2014-2015
 26. *Rosa Nguyen, MD, St. Jude Hem-Onc Fellow 2015-2016
 27. Caitlyn Zebley, graduate student, St. Jude Institute of Biomedical Sciences 2017-2018
 28. *Rebecca Richardson, UT Radiology Resident, 2019
 29. *Jessica Gartrell, St. Jude, Hem-Onc Fellow, 2019
 30. *Cara Morin, MD PhD, junior faculty, St. Jude Diagnostic Imaging, 2018-present
 31. *Sara Mansfield, Pediatric Surgery Fellow, 2020-2021
 32. *Mina Ghbrial, Rutgers Medical Student, POE student, 2021-present
 33. Aya Mustafa, MD, PhD, Clinical Research Fellow, 2022-present
- *Co-authored published manuscript or abstract

11. Grant Awards

Completed:

1. Society for Pediatric Radiology, Research and Education Foundation. Determination of Optimal Dose and Safety Profile for Optison™ Ultrasound Contrast Agent in Pediatric Solid Tumor Patients (OPTUS Protocol). June 1, 2001, \$5000.00 seed grant. **Principal Investigator.**
2. NHLBI NO1 HB 07155. Pediatric Hydroxyurea Phase III Clinical Trial (BABYHUG). Sept. 1, 2000-July 30, 2012. Central Reviewer and Consultant
3. NHLBI 5 U01HL078787-04. Stroke with Transfusions Changing to Hydroxyurea (SWITCH) August 8, 2005-September 2013. Co-investigator and Central Reviewer
4. Society for Pediatric Radiology, **John Dorst and Felix Fleischner, Pediatric Thoracic Radiology Grant Award;** A Pilot Study of PET-CT in the Assessment of Pulmonary Nodules in Children with Solid Malignant Tumors (PETPUL protocol). June 1, 2008. \$10,000.00 seed grant. **Principal Investigator.**

5. NHLBI 1 R01HL098239-01A1. Sparing Conversion to Abnormal TCD Elevation (SCATE). Sept. 5, 2010-August 31, 2013, closed by PI. **Co-PI and Director TCD Core.**
6. National Childhood Cancer Foundation, Grant CA98543, AGCT0521, Treatment of Recurrent or Resistant Pediatric Malignant Germ Cell Tumors with Paclitaxel, Ifosfamide and Carboplatin, Co-Investigator, Central Reviewer
7. National Childhood Cancer Foundation, Grant CA98543, ARAR 0331, Treatment of Childhood Nasopharyngeal Carcinoma with Neoadjuvant Chemotherapy and Concomitant Chemoradiotherapy. Co-Investigator and Central Reviewer

Active:

1. National Childhood Cancer Foundation, Grant CA98543, CFDA 93.395, Children's Oncology Group, 1) ARST0332, Risk-Based Treatment for Non-Rhabdomyosarcoma Soft Tissue Sarcomas in Patients Under 30 Years of Age, 2) AHEP0731, Treatment of Children with All Stages of Hepatoblastoma, \$20,250 annually 3/1/2009-present. Co-Investigator and Central Reviewer
2. The Society for Pediatric Radiology, Research and Education Foundation, \$50k Pilot Grant, Quantitative Contrast Enhanced Ultrasound of Children, Adolescents and Young Adults with Refractory or Recurrent Hepatocellular Carcinoma Receiving Combined Anti-Angiogenic and Immunotherapy, awarded May 2021

12. Clinical Trials Involvement

Completed:

1. **Principal Investigator:** Comparison of Non-Duplex Transcranial Doppler (TCD) and Duplex Transcranial Doppler Imaging (TCDI) in Children with Sickle Cell Disease. A St. Jude protocol, opened April 2000, completed Jan. 2005.
2. Co-Investigator: Optimizing Primary Stroke Prevention in Children with Sickle Cell Anemia (STOP II). A multi-institutional, NIH funded project (HAC 99-03-291, NIH/NHLBI R 01 HL 63860-01) opened Aug. 2000-completed 2005.
3. Consultant and Central Reviewer: Pediatric Hydroxyurea Phase III Clinical Trial (BABY HUG). A multi-institutional, NIH funded project (N01-HB-07160), opened 8/2000 – closed to accrual 2009. Completed.
4. Co-Investigator: Low-Dose Heparin for Prevention of Veno-Occlusive Disease in Pediatric Bone Marrow Transplantation. A St. Jude protocol, opened May 20, 2001-closed to accrual 2008. Completed.
5. Co-Investigator: Hematopoietic Stem Cell Transplantation (HSCT) for Patients with Sickle Cell Disease Using Reduced Conditioning and Highly-Purified CD34+ Cells From Partially Matched Family Donors (FAMSCD). A St Jude protocol, opened 3/21/2002. Completed.
6. **Principal Investigator:** Determination of Optimal Dose and Safety Profile for Optison™ Ultrasound Contrast Agent in Pediatric Solid Tumor Patients. FDA IND #62,852. A St. Jude Phase I study, opened 6/02/2002-closed to accrual 2008. Completed April 2012.
7. Co-investigator and Central Reviewer: AGCT0521 Treatment of Recurrent or Resistant Pediatric Malignant Germ Cell Tumors with Paclitaxel, Ifosfamide and Carboplatin. A Children's Oncology Group trial activated Nov. 5, 2007. Completed Feb. 2013.
8. Co-Investigator: ARAR0331 Treatment of Childhood Nasopharyngeal Carcinoma with Concomitant Chemoradiotherapy. A Children's Oncology Group Phase III study, opened September 2005. Completed Nov. 2013.
9. Co-Investigator: ARAR0332 Treatment of Adrenocortical Tumors with Surgery plus Lymph Node Dissection and Multiagent Chemotherapy. A Children's Oncology Group Phase III study, opened April, 2005. Completed March 2016.

10. Co-Investigator: ARST0531 Randomized Study of Vincristine, Dactinomycin and Cyclophosphamide (VAC) versus VAC Alternating with Vincristine and Irinotecan (VI) for Patients with Intermediate-Risk Rhabdomyosarcoma (RMS). A Children's Oncology Group, Phase III Study, opened Dec 2006. Completed Sept 2014.
11. Co-Principal Investigator: Pilot Study of Non-invasive Assessment of Hepatic and Myocardial Iron through MRI T2* in Patients with Transfusional Iron Overload. A St. Jude protocol, opened September, 2005, closed to accrual July, 2007. Completed
12. Consultant and Central Reviewer: Stroke With Transfusions Changing to Hydroxyurea (SWITCH): A multi-institutional, NHLB funded study (HL078787-01A1) opened in March 2006. Closed to accrual by PI, Completed
13. Co-investigator: ANGIO1; Phase I Study of Bevacizumab and Sunitinab Combined with Low Dose Cyclophosphamide in Patients with Refractory Solid Tumors and Leukemia. A St Jude protocol activated Nov. 15, 2007. Completed 2014
14. **Principal Investigator:** PETPUL; A Pilot Study of PET-CT in the Assessment of Pulmonary Nodules in Children with Solid Malignant Tumors. A St Jude protocol opened in March 3, 2008-closed to accrual October 2010. Completed
15. **Co-PI and Director TCD Core:** SCATE; Sparing Conversion to Abnormal TCD Elevation. An NHLBI funded, multi-institutional, international trial. Closed Aug. 2013 by PI. Completed.
16. Co-Investigator: OS08: A Study of Bevacizumab, a Humanized Monoclonal Antibody Against Vascular Endothelial Growth Factor, in Combination with Chemotherapy for Treatment of Osteosarcoma. A St Jude protocol opened June 2, 2008.- closed to accrual 2012. Completed
17. Co-Investigator: RADBEV: A Phase I Trial of RAD01 (Everolimus) and Avastin (Bevacizumab) in Children with Recurrent Solid Tumors. A St. Jude protocol, opened October 28, 2008. Closed to accrual. Completed
18. Co-Investigator: Long Term Effects of Hydroxyurea Therapy in Children with Sickle Cell Disease (HUSTLE). A St. Jude protocol opened March 2006- closed to accrual. Completed
19. Co-Investigator: Neuroblastoma Protocol 2005: Therapy for Children with Advanced Stage High-Risk Neuroblastoma.. A St Jude Protocol, opened August, 2005, closed to accrual 2007. Completed
20. Co-Investigator: SCDMR4; State of the Art Functional Imaging in Sickle Cell Disease. A St. Jude protocol opened May 26, 2010. Closed to accrual, Completed
21. Co-Investigator: MIDAS; Massive Iron Deposit Assessment. NIDDK (RO1DK088988-01) funded St. Jude protocol. Approved April 2012. Closed to accrual. Completed.
22. Co-investigator: TRIALS; Transfusional iron overload among leukemia survivors. A St. Jude protocol activated 10-23-2013. Closed to accrual. Completed
23. Co-investigator: ESFT13; Therapeutic Trial for Patients with Ewing Sarcoma Family of Tumor and Desmoplastic Small Round Cell Tumors. A St. Jude protocol activated Nov 13, 2013. Closed to accrual. Completed
24. **Principal-Investigator:** DWSARC; Diffusion Weighted Magnetic Resonance Imaging in Pediatric Sarcomas. A St. Jude protocol, activated April, 2015, closed to accrual.
25. **Principal-Investigator:** Pilot Study, Contrast-Enhanced Ultrasound Sub-Study, RMS13. A St. Jude protocol, activated January 2018, closed to accrual
26. Co-Investigator: Neuroblastoma Protocol 2008: Therapy for Children with Advanced Stage High-Risk Neuroblastoma... A St Jude Protocol, opened December 11, 2008-closed to accrual 2009.
27. Co-Investigator: ARST0332; Risk-based Treatment for Pediatric Non-Rhabdomyosarcoma Soft Tissue Sarcomas (NRSTS). A Children's Oncology Group, Phase III Study, opened March 2007- closed to accrual Feb 6th, 2012.
28. Radiologist local reviewer, MELBMS, A Phase 2 Study of Ipilimumab in Children and Adolescents (12 to < 18 years) with Previously Treated or Untreated, Unresectable Stage III or Stage IV Malignant Melanoma, A Bristol-Myers-Squibb sponsored, international, multi-institutional trial, opened to accrual at St. Jude, June 2012 – closed to accrual

Active:

1. Co-Investigator and Central Reviewer: AHEP0731; Treatment of Children with All Stages of Hepatoblastoma. A COG protocol, opened Nov. 2009. Closed to accrual 2020.
2. Co-Investigator: SJL9; Long-term Renal Impairment in Survivors of Unilateral Wilms Tumor (Pilot Study). A St. Jude protocol opened April 2009. Closed to accrual
3. Co-Investigator: GENIOS; Genes Influencing Iron Overload State. A St. Jude protocol, opened June, 2010. Currently open to accrual.
4. Co-investigator: RMS 13; Risk Adapted Focal Proton Beam Radiation and/or Surgery in Participants with Low and Intermediated Risk Rhabdomyosarcoma Receiving Standard or Intensified Chemotherapy. A St. Jude protocol, activated June 13, 2013, Closed to accrual 2020, open to follow-up
5. **Co-Investigator/Principal Investigator imaging sub-study:** ANGIOA: Safety and Tolerability of oral cyclophosphamide and sorafenib with intravenous bevacizumab with the addition of atezolizumab in pediatric solid tumor patients/Quantitative Contrast Enhanced Ultrasound of Children, Adolescents and Young Adults with Refractory or Recurrent Hepatocellular Carcinoma Receiving Combined Anti-Angiogenic and Immunotherapy. Activated August, 2022, open to accrual
6. Co-Investigator. CRSPA: Phase I/II study of CM4620 to reduce the severity of pancreatitis due to asparaginase. A St Jude protocol activated Jun 2021, open to accrual
7. Local Central Reviewer: AHEP1531: Pediatric Hepatic Malignancy International Therapeutic Trial. A Phase2/3 Study. An Intergroup Study by Société Internationale d'Oncologie Pédiatrique (SIOPEL) in collaboration with COG and the Japanese Children's Cancer Group (JCCG) Coordinating Center: Cancer Research UK Clinical Trials Unit (CRCTU), University of Birmingham. Activated May, 23, 2018. Open to accrual
8. Co-Investigator: NB2012: Therapy for Children with Advanced Stage High-Risk Neuroblastoma. A St Jude protocol activated May, 9, 2012. Closed to accrual 2020. Open to follow-up
9. Local Central Reviewer: LOXORET: PhaseI/II Study of oral LOXO-292 (Selpercatinib) in Pediatric Patients with Advanced RET-Altered Solid Tumors of Brain Tumors. Eli Lilly sponsored trial opened at St. Jude, Nov 2018. Open to accrual
10. Co-Investigator: 3CAR: B7-H3 Specific Chimeric Antigen Receptor Autologous T-Cell Therapy for Pediatric Patients with Solid Tumors. Activated June, 21, 2022. Open to accrual

Industry Support:

1. GE Healthcare, product support (Optison contrast agent) 2008 – 2014 (OPTUS, ANGIOA, RMS13, ESFT13 St. Jude protocols)
2. Philips Healthcare, product support (Elite ultrasound machine, ANGIOA protocol), May 2021-present
3. Bracco Group, product support (Lumason ultrasound contrast agent, ANGIOA protocol), August 2022-present

13. Publication Record

A. Peer Reviewed Publications

i. Original Research Articles:

1. **McCarville M**, El Khoury G. MR imaging of bone marrow packing disease. *Iowa Orthoped J* 10:30-38, 1990.
2. **McCarville M**, Sundaram M, Gabriel K. Spondylolysis in a two year old girl. Case report. *Orthopedics* 16(10):1190, 1993.
3. Babyn P, Ranson M, **McCarville M**. Normal bone marrow: Signal characteristics and fatty conversion. *MRI Clinics of North America* 6(3):473-495, 1998
4. **McCarville MB**, Kaste SC, Pappo AS. Pictorial Essay: Soft tissue malignancies in infancy. *Am J Roentgen* 173:973-977, 1999. PMID: 10511160
5. **McCarville MB**, Hoffer FA, Gingrich JR, Jenkins JJ. Imaging findings of hemorrhagic cystitis in pediatric oncology patients. *Pediatr Radiol* 30:131-138, 2000. PMID: 10755748
6. **McCarville MB**, Kaste SC, Cain A, Goloubeva O, Rao B, Pratt C. Prognostic factors and imaging patterns of recurrent pulmonary metastasis in children with osteosarcoma following thoracotomy. *Cancer* 91:1170-1176, 2001. PMID: 11267963
7. **McCarville MB**, Hoffer FA, Howard S, Goloubeva O, Kauffman W. Sonographic findings of hepatic veno-occlusive disease in pediatric bone marrow transplantation recipients. *Pediatr Radiol* 31:102-105, 2001. PMID: 11214676
8. Spunt SL, **McCarville ME**, Kun LE, Poquette CA, Brandao L, Cain AM, Santana VM, Pappo AS. Limited benefit of whole lung irradiation in patients with Ewing's family tumors and pulmonary metastases at the time of diagnosis. *J Pediatr Hematol Oncol* 23(2):93-98, 2001. PMID: 11216713
9. **McCarville MB**, Hill DA, Pratt C. Secondary ovarian neoplasms in children: Imaging findings with histopathologic correlation. *Pediatr Radiol* 31(5):358-364, 2001. PMID: 11373927
10. **McCarville MB**, Spunt SL, Pappo AS. A pictorial essay: Rhabdomyosarcoma: The Good, The Bad and the Unusual. *Am J Roentgen* 176(6):1563-1569, 2001. PMID: 11373233
11. Horwitz EM, Prockop DJ, Gordon PL, Koo WW, Fitzpatrick LA, Neel MD, **McCarville MB**, Sussman M, Orchard PJ, Pyeritz RE, Brenner MK. Clinical responses to bone marrow transplantation in children with severe osteogenesis imperfecta. *Blood* 97(5):1227-1231, 2001. PMID: 11222364
12. **McCarville MB**, Ross ME, Furman WL, Rao BN. Sonographic appearance of appendicitis in a neutropenic pediatric patient after inversion appendectomy. *Pediatr Radiol* 31(8):578-580, 2001: 11. PMID: 550770.
13. **McCarville MB**, Spunt SL, Skapek SX, Pappo AS. Pictorial essay: Synovial sarcoma in pediatric patients. *Am J Roentgen* 179(3):797-801, 2002. PMID: 12185067
14. Okamoto Y, Mathew S, Daw N, Neel M, **McCarville MB**, Hill DA. Proceedings of the Tumor Board of St. Jude Children's Research Hospital: Giant cell tumor of bone with pulmonary metastases. *Med Pediatr Oncol* 41(5):454-459, 2003. PMID: 14515387
15. Gow KG, Lensing S, Hill DA, Krasin MJ, **McCarville MB**, Rai SN, Zacher M, Spunt SL, Strickland DK, Hudson MM. Thyroid carcinoma presenting in childhood or after treatment of childhood malignancies: An institutional experience and review of the literature. *J Pediatr Surg* 38(11):1574-1580, 2003. PMID: 14614703
16. Wagner LM, Crews KR, Iacono LI, Houghton PJ, Fuller CE, **McCarville MB**, Goldsby RE, Albritton K, Stewart CF, Santana VM. Phase I trial of temozolomide and protracted irinotecan in pediatric patients with refractory solid tumors. *J Clin Cancer Res* 10:840-848, February 2004.: PMID 14871959
17. **McCarville MB**, Thompson J, Li C, Adelman CS, Lee MO, Alsmaree D, May MV, Jones SC, Rao BN, Sandlund JT. Significance of appendiceal thickening in association with typhlitis in pediatric oncology patients. *Pediatr Radiol* 24:245-249, 2004. PMID: 14722695

18. Rodriguez-Galindo C, Shah N, **McCarville MB**, Billups CA, Neel MN, Rao BN, Daw NC. Outcome after local recurrence of osteosarcoma: The St. Jude Children's Research Hospital Experience (1970-2000). *Cancer* 100:1928-1935, 2004. PMID: 15112274
19. **McCarville MB**, Li C, Xiong X, Wang W. Comparison of transcranial Doppler ultrasonography with and without imaging in the evaluation of children with sickle cell anemia. *Am J Roentgen* 183:1117-1122, 2004. PMID: 15385317
20. **McCarville MB**, Adelman CS, Li C, Xiong X, Furman WL, Razzouk BI, Pui C, Sandlund JT. Typhlitis in childhood cancer. *Cancer* 104(2):380-387, 2005. PMID: 15952190
21. Kaste SC, Howard S, **McCarville MB**, Krasin MJ, Hudson MM. Not all ¹⁸F-DG-avid sites represent active disease in pediatric Hodgkin's. *Pediatr Radiol* 35:141-154, 2005.
22. **McCarville MB**, Spunt SL, Daw NC, Kaste SC. PET-CT in the evaluation of childhood sarcomas. *Am J Roentgen*: 184:1293-1304, 2005. PMID: 15788613
23. The optimizing primary stroke prevention in sickle cell anemia (STOP 2) trial investigators. Discontinuing prophylactic transfusions used to prevent stroke in sickle cell disease. *N Engl J Med* 353:2769-78, 2005
24. **McCarville B**. The role of positron emission tomography in pediatric musculoskeletal oncology. *Skeletal Radiol*. 35(8):553-554, 2006
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ii. Original Research and Invited Review Articles Accepted for Future Publication:

iii. Original Research Articles Submitted and Under Review:

1. Nguyen R, Patel AG, Griffiths LM, Houston J, **McCarville MB**, Johnson M, Akers WJ, Furman WL, Dyer MA. Implications of natural killer cell dysfunction in patients and humanized MISTRG mice with neuroblastoma. *Jo Experimental Medicine* (submitted)
2. Katzenstein HM, Furman W, Krailo MD, **McCarville MB**, Towbin A, Tiao GM, Malogolowkin MH, Finegold M, Ranganathan S, Dunn SP, Langham MR, McGahren ED, Hasenauer B, Rodriguez-Galindo C, Meyers RL. Irinotecan (I) / Vincristine (V) Upfront Window Treatment of High-risk Hepatoblastoma: A Report from the Children's Oncology Group (COG) AHEP0731 Study Committee (submitted)
3. Schoot RA, Ferrari A, von Kalle T, Khalatbari H, **McCarville MB**, Morosi C, van Rijn RR, von Witzleben AA, Weiss A, Kao SC. Imaging recommendations for the management of pediatric non-rhabdomyosarcoma soft tissue sarcoma (NRSTS): consensus statement of the International Soft Tissue Sarcoma Consortium (INSTRuCT) (submitted)
4. von Witzleben AA, van Ewijk R, Kao SC, Merks JHM, Morosi C, Pace E, Shulkin BL, Ferrari A, von Kalle T, van Rijn RR, Weiss AR, Sparber-Sauer M, ter Horst SAJ, Schoot RA, **McCarville MB**. Imaging Recommendations for the Management of Rhabdomyosarcoma: Consensus Statement from the International Soft Tissue sarcoma Consortium (INSTRuCT) Diagnostic Imaging Working Group (submitted)

iii. Book Chapters

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18. Squires J, Srinivasan A, **McCarville MB**. Contrast-enhanced ultrasound in childhood oncology. In: Sidhu P, Deganello A and Sellers M, editors. Contrast-enhanced Ultrasound in Pediatric Imaging. 1st Edition, Springer

iv. Textbooks

1. Parham D, Khoury J and **McCarville MB**. Pediatric Malignancies: Pathology and Imaging. 1st edition. Springer, 2015

3. Other Publication Contributions:

1. **Guest Editor, Journal supplement; Pediatric Oncology**. Pediatric Radiology October 2019, Volume 49, Issue 11

2. **Co-editor Journal supplement, Pediatric Blood and Cancer**, Imaging Guidelines for Pediatric Malignancies, 2021-2022. In Press

v. Editorials and Commentaries:

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2. **McCarville MB**. Evaluation of typhlitis in children: CT vs US. *Pediatr Radiol* 36(8):890-891, 2006.PMID:16758183
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4. **McCarville MB**, Federico SM, Bishop MW, Pappo AS, Shulkin BL. RE: Aghighi M, Boe J, Rosenberg J et al. Three-dimensional radiologic assessment of chemotherapy response in Ewing sarcoma can be used to predict clinical outcome. *Radiol* 2016 Sep;280(3):905-15. doi: 10.1148/radiol.2016151301. Epub 2016 Mar 16 PMID: 27755931

vi. Audiovisual:

1. Dome J, Ward D, Jenkins, J, **McCarville B**. Chemotherapy, dosing dilemmas in children and infants. *Cures4kids*, Dec. 2004
2. Furman WL, Sanders RP, Gordon P, **McCarville, B** and Jenkins, JJ. Hepatoblastoma and Familial Cancer Syndromes. *Cures4Kids*, Mar. 2004
3. McGregor LM, Abraham A, Neel MD, **McCarville B**, Debelenko LV, Church CL. A Challenging Case of Bone Tumor. *Cure4kids*, Jul 2009
4. Daw NC, **McCarville B**, Jenkins JJ. Relapsed Osteosarcoma: The St. Jude Experience. *Cure4kids*, Feb 2010
5. Brennan RC, **McCarville B**, Jenkins JJ, Davidoff A. A 6-week-old Child with a Rapidly Expanding Right Arm Mass. *Cure4kids*, May 2009
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7. Jerkins G, Khoury JD, **McCarville B**. A long-term survivor of embryonal rhabdomyosarcoma of the bladder: Late effects of the disease and its treatment. *Cure4kids*, Aug 2006
8. Chie-Schin S, **McCarville B**, Fuller CE. Recurrent Osteosarcoma: Treatment and Outcome. *Cure4kids*, Jun 2006
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11. Metzger M, **McCarville B**, Jenkins JJ. Thyroid Nodules after Neck Irradiation for Pediatric Hodgkin Lymphoma. *Cure4kids*, Feb 2006
12. Krasin MJ, **McCarville B**, Fuller CE. Radiotherapeutic Options for Local Control in Patients with Rhabdomyosarcoma: IMRT, IGRT, HFRT and IBT. *Cure4kids*, Jun 2005
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25. Whipple N, **McCarville B**, Campbell PK. Langerhans Cell Histiocytosis: A Disease with Many Names, a Disease with many Faces. Cure4kids, Oct 2014
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30. Furman WL, **McCarville B**, Jenkins JJ. Treatment of High Risk Solid Tumors is a Team Sport: Metastatic Hepatoblastoma as an Example. Cures4kids, Jan 2013
31. Cancio M, **McCarville B**, Wilson MW. Leukocoria. Cure4kids, Apr 2012
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41. **McCarville B**, Spraker HL, Karplus G. Management of Malignant Sacrococcygeal Teratoma. Cure4kids, Jul 2007

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45. Armendi A, **McCarville B**, Rowland C. The Pediatric Difficult Airway. Cure4kids, Mar 2004
46. **McCarville B**. Imaging Features of a Fibrolamellar Variant of Hepatocellular Carcinoma in Children. Cure4kids, Sept 2013
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48. Qaddoumi I, **McCarville B**. Chronic Recurrent Multifocal Osteomyelitis. Cure4kids, Feb 2
49. Loh A, Wu H, Bahrami A, Navid F, **McCarville B**, Wang C, WU J, Bishop MW, Daw NC, Neel MD, Rao BN. Influence of bony resection margins and surgicopathological factors on outcomes in limb-sparing surgery for extremity osteosarcoma. Cure4kids, Jan 2015

14. Presentations

A. Oral Abstract Presentations

1. Spunt SL, **McCarville ME**, Kun LE, Poquette CA, Brandao L, Cain AM, Santana VM, Pappo AS. Limited benefit of whole lung irradiation in patients with ewing's sarcoma and pulmonary metastases at diagnosis. American Society of Pediatric Hematology-Oncology, Montreal, Canada, September 1999.
2. Neel MD, Daw N, Rodriguez-Galindo C, **McCarville B**, Rao B. Survival after local recurrence of osteosarcoma (OS): The St. Jude Children's Research Hospital experience, 1970 - 2000. The 25th Annual Meeting of the Musculoskeletal Tumor Society, Toronto, Canada, April 2002.
3. Hankins J, **McCarville B**, Strawn S, Wynn L, Naidu P, Wang W, Ware R. Hydroxyurea therapy can preserve and recover splenic function in children with sickle cell anemia. The 28th Annual Meeting of the National Sickle Cell Program, Cincinnati, Ohio, April 9-13, 2005.
4. Dickson PV, **McCarville ME**, Davidoff AM. Interferon- β restricts tumor angiogenesis by stabilizing tumor vessels. The American Academy of Pediatrics, National Conference and Exhibition, Washington D.C. Oct 8-11, 2005.
5. Dickson PV, Hamner JB, Cauthen LA, Ng YC, **McCarville MB**, Davidoff AM. Efficacy of zoledronate against neuroblastoma. The Society of University Surgeons Meeting, San Diego, CA, February 2006. PMID: 16904974
6. Dickson, PV, Stewart CF, Fraga C, Hagedorn N, Rajasekaran S, **McCarville MB**, Davidoff AM. Bevacizumab-induced vascular normalization. The Advances in Neuroblastoma Research Meeting, Los Angeles, CA, May 17th-20th, 2006.
7. Dickson PV, **McCarville MB**, Davidoff AM. Avoiding misdiagnosing neuroblastoma as Wilms tumor. Accepted for presentation at the American Academy of Pediatrics National Conference and Exhibition, San Francisco, CA, October 27-30, 2007.
8. Kaste SC, Rodriguez-Galindo C, **McCarville MB**, Shulkin BL. PET-CT in pediatric Langerhans cell histiocytosis. The 23rd Annual Meeting of the Histiocyte Society, Cambridge, UK, September 23-25 2007.
9. Shulkin BL, Goodin GS, **McCarville MB**, Kaste SC, Krasin MJ, Hudson MM, Metzger M. Bone and FDG

PET/CT scanning for the assessment of osseous involvement in Hodgkin lymphoma in children and young adults. Accepted for oral presentation at the Society of Nuclear Medicine 55th Annual Meeting, New Orleans, Louisiana, June 14-18, 2008.

10. Sims TL, Hamner JB, Bush RA, Fischer PE, Kim SU, Aboody KS, **McCarville B**, Danks MK, Davidoff AM. Neural progenitor cell-mediated delivery of osteoprotegerin limits disease progression in a pre-clinical model of neuroblastoma bone metastasis. Presented at the 39th Annual Meeting of the American Pediatric Surgical Association, Phoenix, AZ, **May 29-31, 2008**.
11. Karplus G, **McCarville MB**, Smeltzer MP, Spyridis G, Rao BN, Davidoff AM, Li C-S, Shochat S. Should contralateral exploratory thoracotomy be advocated for children with osteosarcoma and early unilateral pulmonary metastases? Presented at the 39th Annual Meeting of the American Pediatric Surgical Association, Phoenix, AZ, **May 29-31, 2008**.
12. Hankins J, **McCarville MB**, Loeffler R, Onciu M, Smeltzer M, Ware R, Hillenbrand C. R2* MRI specifically identifies iron deposited in hepatocytes. National Institute of Diabetes and Digestive and Kidney Diseases, Workshop on iron overload, 2008, Annapolis, MD
13. **McCarville MB**, Reese RC, Rogers ZR, Wang WC. Abdominal ultrasound findings in infants with sickle cell anemia: baseline data from the Baby Hug Trial. The 32nd Annual Meeting of the National Sickle Cell Disease Program, Fort Lauderdale, FL, Feb. 18th, 2009
14. Hillenbrand CM, **McCarville MB**, Zhao W, Song R, Smeltzer MP, Wang WC, Ware RE, Loeffler RB, Hankins JS. A global prediction model for hepatic iron concentration measurements using R2* MRI. The 32nd Annual Meeting of the National Sickle Cell Disease Program, Fort Lauderdale, FL, Feb. 18th, 2009
15. Hossain AM, Kaste SC, **McCarville MB**, Garland S, Smeltzer M, Shulkin BL. FDG-PET-CT imaging of the extremities in children with neoplastic diseases. 56th Annual Meeting of the Society of Nuclear Medicine, June 13-17, 2009, Toronto, ON, Canada
16. Million L, Terezakis S, Donaldson S, Anderson J, Randall RL, Hayes-Jordan A, Laurie F, Coffin C, **McCarville MB**, Hawkins D, Spunt SL. Local control among young patients with non-rhabdomyosarcoma soft tissue sarcoma (NRSTS) following risk-based treatment: Results from Children's Oncology Group (COG) study ARST0332. Annual meeting of the Connective Tissue Oncology Society, October 15-18, 2014 Berlin, Germany.
17. Spunt SL, Million L, Randal LR, Coffin C, Black J, Pappo AS, Hayes-Jordan AA, **McCarville B**, Kao S, Speights RA, Laurie F, Hawkins D, Anderson J. Predictors of outcome in children, adolescents, and young adults with non-rhabdomyosarcoma soft tissue sarcoma (NRSTS): A report from Children's Oncology Group Study ARST0332. Annual meeting of the Connective Tissue Oncology Society, October 15-18, 2014 Berlin, Germany.
18. Davidoff AM, Interiano RB, Wynn L, Delos Santos N, Dome JS, Brennan RC, **McCarville ME**, Krasin MJ, Kieran K, Williams MA. Overall Survival and Renal Function of Patients with Bilateral Wilms Tumor Undergoing Surgery at a Single Institution. Annual meeting of the American Surgical Association, April 23-25, 2015, San Diego, CA
19. **McCarville MB**, Coleman J, Guo J, Li Y, Li X, Navid F. Contrast Enhanced Ultrasound in the Assessment of Pediatric Solid Tumor Response to Anti-Angiogenic Therapy. Annual meeting of the Society for Pediatric Radiology, Bellevue, W, April 27-May 1, 2015
20. Coleman JL, **McCarville MB**. Contrast Enhanced Ultrasound of Liver Lesions: A Children's Cancer Center Experience. International Liver Tumor Symposium, Texas Children's Hospital, Houston, TX, Feb 25th- 26th, 2016.
21. Katzenstein HM, Furman WL, Malogolowkin M, Krailo MD, **McCarville MB**, Towbin A, Tiao G, Finegold M, Ranganathan S, Dunn S, Langham M, McGahren E, Rodriguez-Galindo C, Meyers R. Vincristine/irinotecan upfront window treatment of high-risk hepatoblastoma: A report from the Children's Oncology Group (COG) AHEP0731 Study Committee. 2016 ASCO Annual Meeting, June 3-7, 2016, Chicago, IL.
22. VanHouwelingen L, Seims A, Ortega-Laureano L, Coleman J, **McCarville MB**, Davidoff AM, Fernandez-

Pineda I. Postoperative small bowel intussusception in pediatric surgical oncology patients: A single center retrospective review. World Federation of Associations of Pediatric Surgeons. Oct 8th-11th, 2016, Washington, DC.

23. Trobaugh-Lotrario, A. Malogolowkin, M. Dunn S, Langham M, **McCarville B**, Tiao G., Towbin A., Weldon C., Katzenstein H. Meyers, RL. Novel PRETEXT / POST-TEXT based scoring system developed to evaluate anatomic response to chemotherapy in hepatoblastoma: a report from the Children's Oncology Group AHEP0731. International Society of Pediatric Oncology, Oct 19-22, 2016, Dublin, Ireland
24. O'Neill AF, Towbin AJ, **McCarville MB**, Meyers RL, McGahren ED, Tiao GM, Dunn SP, Langham Jr MR., Weldon CB, Finegold M, Ranganathan S, Furman WL, Malogolowkin M, Rodriguez-Galindo C, and Katzenstein HM. Characterization of pulmonary metastases in children with hepatoblastoma. International Society of Pediatric Oncology, Oct 19-22, 2016, Dublin, Ireland
25. Federico SM, **McCarville MB**, Stewart CF, Mao S, Wu J, Davidoff AM, Santana VM, Furman WL, Pappo AS, Navid F. Phase I expansion cohort to evaluate bevacizumab, sorafenib and low-dose cyclophosphamide in children and young adults with refractory or recurrent solid tumors. 2016 Meeting of the American Society of Clinical Oncology, June 2016, Chicago, IL.
26. Federico SM, Leung WH, **McCarville ME**, Shulkin BL, Sondel PM, Hank JA, Wu J, Mao S, Brennan RC, Santana VM, Pappo AS, Furman WL. Humanized anti-GD2 antibody (hu14.18K322A) with chemotherapy +/- parental natural killer (NK) cells in children with recurrent/refractory neuroblastoma. Advances in Neuroblastoma Research Meeting, 2016, Cairns, Australia
27. Gartrell J, Navid F, Dubrovin M, Fan W, Pan H, **McCarville B**, Shulkin B, Pappo A, Federico S. Response to window therapy with Temsirolimus, Irinotecan, and Temozolomide in patients with newly diagnosed high-risk ESFT: a phase II single institution study.
28. Contrast enhanced ultrasound of liver lesions in patients treated for pediatric solid tumors. Ghbrial M., Li Y, **McCarville MB**. Presented at the annual meeting of the Society for Pediatric Radiology, April 27-May 1, 2022, Denver, CO
29. A Fleming AM, . Murphy AJ, Interiano RB, Loh A, Meda M, **McCarville ME**, Abramson Z, Mansfield S, Abdelhafeez H, Davidoff AM, Gosain A, Gartrell JA, Furman WL Langham MR, Aggressive Pursuit of no Evidence of Disease Status in Hepatoblastoma Improves Survival. Accepted for presentation at the American Academy of Pediatrics Section on Surgery National Conference, Anaheim, CA, Oct 8, 2022.

B. Poster Presentations

1. **McCarville M**, Babyn P, Tacconne A. MR appearance of normal bone marrow in children. The Society for Pediatric Radiology Annual Meeting, Washington, DC, April 27-30, 1995.
2. **McCarville MB**, Hill DA, Pratt C, Miller B. Secondary ovarian neoplasms in children. The Society for Pediatric Radiology Annual Meeting, Naples FL, April 31-May 5, 2000.
3. Hudson MM, Gow KW, Lensing S, Hill A, Krasin MJ, **McCarville MB**, Zacher M, Rai S, Spunt SL, Shearer P, Strickland DK, Pratt CB. Thyroid malignancies presenting in childhood and following childhood cancer. The 6th International Conference on the Long-term Complications of Treatment of Children and Adolescents for Cancer, Niagara-on-the-Lake, Ontario, June 23-24, 2000.
4. **McCarville MB**, Spunt SL, Pappo AS. Rhabdomyosarcoma: Update 2000. The International Society for Pediatric Radiology, Paris, France, May 28-June 1, 2001.
5. Gow KW, **McCarville MB**, Hill DA, Krasin MJ, Hudson MM, Shochat SJ. Surgical management of patients who develop thyroid nodules after neck irradiation for Hodgkin's disease. The American Pediatric Surgery Association Annual Meeting, May 25-28, Fort Lauderdale, FL.
6. Fortner G, Day S, **McCarville B**, Wang W. Initiating a clinical TCD program as a sickle cell center. The 28th Annual Meeting of the Nation Sickle Cell Program, Cincinnati, Ohio, April 9-13, 2005.

7. **McCarville MB**, Dickson PV, Li C-S, Gaber W, Davidoff AM. Evaluation of changes in solid tumor vascularity induced by interferon- β therapy using quantitative contrast enhanced ultrasonography, intravital microscopy and histology. The Second Annual Memphis BiImaging Symposium, Memphis, TN, November 3rd and 4th, 2005.
8. Goodin G, **McCarville B**, Fortner G, Wang W. The impact of transcranial Doppler ultrasound screening on the incidence of first stroke in children with sickle cell disease. The 29th Annual Meeting of the National Sickle Cell Disease Program, Memphis, TN, April 8th-12th, 2006.
9. Fortner G, Hansbury E, Schultz W, **McCarville B**, Ware R. Immediate effect of blood transfusions on TCD flow velocities in children with sickle cell anemia. The 29th Annual Meeting of the National Sickle Cell Disease Program, Memphis, TN, April 8th-12th, 2006.
10. Fortner G, Wang W, **McCarville B**, Naidu P, Day S. A successful clinical transcranial Doppler ultrasonography (TCD) program. The 29th Annual Meeting of the National Sickle Cell Disease Program, Memphis, TN, April 8th-12th, 2006.
11. Rodriguez-Galindo C, **McCarville MB**, Jeha S. Clofarabine in refractory Langerhans cell histiocytosis. The 23rd Annual Meeting of the Histiocyte Society, Cambridge, UK, September 23-25 2007.
12. **McCarville B**, Monu N, Laningham F, Garland S, Smeltzer M, Shulkin B. Metabolic aspects of the normal spinal cord on FDG PET/CT in children, adolescents, and young adults. Society of Nuclear Medicine 55th Annual Meeting, New Orleans, Louisiana, June 14-18, 2008.
13. Loeffler R, Hankins J, Song R, Winchell AM, **McCarville MB**, Hillenbrand CM. Free breathing imaging techniques for liver iron quantification: comparison with a validated breath-hold technique in patients with iron overload. The 17th Annual Meeting of the International Society of Magnetic Resonance in Medicine, Honolulu, Hawaii, 18-24 April 2009
14. Hillenbrand C, **McCarville MB**, Song R, Smeltzer M, Wang R, Ware R, Loeffler R, Hankins J. Calibration of R2* MRI-based hepatic iron concentrations measured by a 3T MR scanner with liver biopsies in patients with iron overload. National Institute of Diabetes and Digestive and Kidney Diseases, 2008, Annapolis, MD
15. Frölich AMJ, Jha P, **McCarville B**, Navarro O, Babyn P, Goldsby R, Daldrup-Link H. Alveolar rhabdomyosarcoma with pancreatic metastasis: Not an uncommon scenario. European Society of Radiology Meeting, March 4th-8th, 2010, Vienna, Austria
16. Fortner G, Hankins J, **McCarville MB**, Aygun B. Successfully coping with TCD screening in children with sickle cell anemia, a single institutional experience. The 4th Annual Sickle Cell Disease Research and Educational Symposium and Grant Writing Institute and Annual National Sickle Cell Disease Scientific Meeting, February 14 - 19, 2010, Hollywood, FL
17. Furman WL, McGregor L, Stewart CF, **McCarville B**, Onciu M, Kovach S, Davidoff A, Billups CA, Wu J, and Santana VM. Gefitinib (GFB) and Irinotecan (IRN) for children with high-risk (HR) neuroblastoma (NB). Advances in Neuroblastoma Research Meeting, June 21st-24th, 2010, Stockholm, Sweden.
18. Kirkwood I, **McCarville MB**, Bahrami A, Shulkin B. [18F] FDG PET/CT Appearances of Tumor Thrombi in Pediatric Solid Tumors. Society of Nuclear Medicine Annual Meeting, Miami, FL, June 9th-13th, 2012.
19. Sangsiri R, Wilson M, **McCarville B**, Helton KJ. Imaging, Clinical and Pathological Features of Pediatric Medulloepitheloma: Four Cases and a Review of the Literature. Radiological Society of North America Annual Meeting, Chicago, IL, November 2012
20. Black JO, Coffin CM, Anderson JR, Hawkins DS, **McCarville B**, Kao, Lor Randall R, Hayes-Jordan A, Parham D, Spunt SL. Nonrhabdomyosarcoma Soft Tissue Sarcomas in Children, Adolescents and Young Adults: An Overview of COG ARST0332; A Report from the Children's Oncology Group. Connective Tissue Oncology Society Annual Meeting, New York, NY, Oct 30 – Nov 2nd, 2013.
21. Lai L, **McCarville MB**, Sato Y. Shedding Light on Pediatric Inflammatory Pseudotumor and Other Related Fibroblastic/Myofibroblastic Tumors. Accepted for presentation at the Radiological Society of North America Annual Meeting, Chicago, IL, December 2013

22. Navid F, Santana VM, **McCarville MB**, Shulkin BL, Neel M, Mao D, Wu J, Billups CA, Jenkins JJ, Pappo AS, Willert JR, Loeb DM, Ahn H, Rao BN, Daw NC. A Phase II trial evaluating the feasibility of adding bevacizumab to the therapy for localized osteosarcoma. Annual meeting of the Connective Tissue Oncology Society, October 15-18, 2014 Berlin, Germany.
23. Hurley C, **McCarville B**, Shulkin B, Mao S, Wu J, Navid F, Daw N, Pappo AS, Bishop MW. Comparison of ¹⁸F-FDG-PET-CT and bone scintigraphy for evaluation of osseous metastases in newly diagnosed and recurrent osteosarcoma. Accepted for poster presentation at the annual meeting of the American Society of Clinical Oncology, May 29- June 2, 2015, Chicago IL.
24. Green DM, Zhu L, Ness KK, Krasin MJ, **McCarville MB**, Srinivasan S, Stokes DC, Srivastava DK, Pui C-H, Armstrong GT, Mulrooney DA, Metzger M, Spunt SL, Navid F, Ojha R, Davidoff AM, Rao BN, Robison LL, Hudson MM. Pulmonary Function after Treatment for Childhood Cancer. A report from the St. Jude Lifetime Cohort Study (SJLIFE). Accepted for poster presentation at the annual meeting of the American Society of Clinical Oncology, May 29- June 2, 2015, Chicago IL.
25. Coleman JL, **McCarville MB**. Contrast Enhanced Ultrasound of Liver Lesions: A Children's Cancer Center Experience. International Liver Tumor Symposium, Texas Children's Hospital, Houston, TX, Feb 25th- 26th, 2016.
26. Trobaugh-Lotrario A, Malogolowkin M, Dunn S, Langham M , **McCarville B** , Tiao G, Towbin A, Weldon C, Katzenstein H, Meyers RL. Novel PRETEXT/POST-TEXT based scoring system developed to evaluate anatomic response to chemotherapy in hepatoblastoma: a report from the Children's Oncology Group AHEP0731. Presented at SIOF 2016, Dublin, Ireland
27. Richardson R, Morin C, Wheeler C, Karol S, Jiha S, Inaba H, **McCarville MB**. Ultrasound has Limited Diagnostic Utility in Children with Acute Lymphoblastic Leukemia Developing Pancreatitis. Accepted for presentation at the 2019 Annual Meeting of the Society for Pediatric Radiology, April 30-May 4th, 2019, San Francisco, CA.
28. Estep J, Cong Z, Agodoa I, Kang G, Ding J, **McCarville MB**, Hankins JS, Wang W. Transcranial Doppler Velocities Conversion Rate Based on Increasing Hemoglobin Concentration: Analysis from the SCCRIP Cohort Study. American Society of Hematology Annual Meeting & Exposition, Orlando, FL, December 7-10, 2019
29. Estep J, Cong Z, Agodoa I, Kang G, Ding J, **McCarville MB**, Hankins JS, Wang W. Transcranial Doppler Velocities Conversion Rate Based on Increasing Hemoglobin Concentration: Analysis from the SCCRIP Cohort Study. By invitation at The American Society of Pediatric Hematology/Oncology Conference, Fort Worth, TX, May 6-9, 2020
30. Bishop MW, Li Y, Brennan RC, Federico SM, Hatley ME, Helmig S, Lucas JT, Tinkle CL, Davidoff AM, **McCarville MB**, Albritton KH, Indelicato DJ, Pappo AS, Krasin MJ. Risk-adapted local therapy and intensive chemotherapy in patients with high-risk rhabdomyosarcoma. American Society of Clinical Oncology Annual Meeting, Chicago, IL, June 2022
31. Fleming AM, Murphy AJ, Mothi SS, Interiano RB, Loh A, Meda M, **McCarville ME**, Abramson Z, Mansfield SA, Abdelhafeez H, Davidoff AM, Gosain A, Gartrell JA, Furman WL, Langham MR. Aggressive Pursuit of No Evidence of Disease Status in Hepatoblastoma Improves Survival. American Academy of Pediatrics National Conference and Exhibition, Oct 2022
 - a. Recipient of the Rosenkrantz Clinical Science Award
 - b. Highlighted in *Journal of Pediatric Surgery*

C: Invited Lectures

1. Bowel obstruction in the newborn. Oklahoma State Radiographers Society Meeting, November 1996.
2. Ultrasound contrast agents: A new method of measuring tissue perfusion. Presented at a General Session of the Children's Oncology Group, Fall Meeting, St. Louis, MO, October 2002.
3. An overview of general radiology and current St. Jude research in ultrasonography. Society of Clinical Research Associates, Chapter meeting, St. Jude Children's Research Hospital, Memphis, TN, June, 2003.

4. Technical considerations of PET-CT. Joint meeting of the West Tennessee Organization of Nuclear Medicine Technologists and the Tennessee Society of Radiologic Technologists. Monthly meeting, St. Jude Children's Research Hospital, Memphis TN, March 9, 2004.
5. TCD in sickle cell disease: A small application with a big impact. Workshop Session I at the Society for Pediatric Radiology Annual Meeting, Savannah, GA, April 29, 2004.
6. Diagnostic Imaging of Pediatric Tumors. Professional Oncology Education Program, noon Lunch and Learn, St. Jude Children's Research Hospital, Memphis, TN, June 23, 2004.
7. Transcranial Doppler Ultrasonography. Sickle Cell Disease: Challenges in 2004 Conference, St. Jude Children's Research Hospital, Nov. 5 and 6, 2004.
8. Rhabdomyosarcoma and Rare Tumors. Workshop Session VI at the Society for Pediatric Radiology Annual Meeting, May 5, 2005, New Orleans, LA.
9. Imaging Pediatric Malignancies and Current Imaging Research at St. Jude Children's Research, Professional Oncology Education Program, noon Lunch and Learn, St. Jude Children's Research Hospital, Memphis, TN, June 15, 2005.
10. Using Imaging for Better Treatment of Pediatric Oncology. The Annual RN/CRA Conference of the Domestic Affiliate Program, St. Jude Children's Research Hospital, Memphis, TN, Aug 12 and 13, 2005.
11. Imaging Liver Tumors. Pathology-Radiology Conference of the Children's Oncology Group, Dallas, TX, October 27, 2005.
12. New Imaging Methods of Assessing Tumor Response to Therapy. Visiting Professorship, The Department of Radiology, The Hospital for Sick Children, Toronto, Ontario, Canada, February 21, 2006.
13. Abdominal Complications of Cancer Therapy in Children. Radiology Grand Rounds, The Hospital for Sick Children, Toronto, Ontario, Canada, February 22, 2006.
14. Pulmonary Nodules in Children with Cancer. Visiting Professorship, The Department of Radiology, The Hospital for Sick Children, Toronto, Ontario, Canada, February 22, 2006.
15. Antiangiogenic Therapy in Pediatric Solid Tumors: New Insights and Challenges. Director's Rounds, St. Jude Children's Research Hospital, Memphis, TN, April 28, 2006
16. PET-CT in the Evaluation of Pediatric Sarcomas. The Categorical Course of the 53rd Annual Meeting of the Society of Nuclear Medicine, San Diego, CA June 3-6, 2006
17. Sharing the St. Jude Experience: PET and PET-CT in Pediatric Neoplasia. A Continuing Medical Education Session of the 53rd Annual Meeting of the Society of Nuclear Medicine, San Diego, CA June 3-6, 2006
18. Diagnostic Imaging of Pediatric Tumors, Professional Oncology Education Program, Noon Lunch and Learn, St. Jude Children's Research Hospital, Memphis, TN, June 14, 2006.
19. PET-CT of the Pediatric Oncology Patient...Fact and Fiction. Imaging for the Pediatric Surgeon, Special Session of the 92nd Annual Meeting of the American College of Surgeons, Chicago, IL, Oct 10, 2006.
20. Pediatric Oncology Imaging Frontiers Workshop, invited participant, National Cancer Institute, Washington DC, Oct 22-23, 2006
21. Imaging of Pediatric Solid Tumors, Pediatric Surgical Oncology Review Course for Fellows, St. Jude Children's Research Hospital, Memphis, TN, March 3, 2007.
22. Technical Aspects of Pediatric PET-CT. The Society of Nuclear Medicine Annual Meeting, Continuing Medical Education Course. Washington DC, June 5, 2007.
23. Diagnostic Imaging of Pediatric Tumors. St. Jude Children's Research Hospital, POE Program Lunch and Learn. Memphis, TN, June 13, 2007.

24. Diagnostic Imaging of Pediatric Solid Tumors. Tumor Board, St. Jude Children's Research Hospital, Memphis, TN, Aug 10, 2007.
25. New Frontiers in Pediatric Oncologic Imaging. Pediatric Oncologic Imaging Workshop, the Annual Meeting of the International Cancer Imaging Society, Brugge, Belgium, October 3, 2007.
26. PET-CT of Pediatric Sarcomas. The 2008 Annual Meeting of the Society of Nuclear Medicine, New Orleans, LA, June 15-18, 2008.
27. PET-CT in Pediatric Oncology. The Tennessee Society of Radiologic Technologists, Dr Laverne Gurley Lecture Seminar, Memphis, TN, July 26th, 2008.
28. Pediatric PET-CT. The Annual Meeting of the International Cancer Imaging Society, Bath England, October 8, 2008.
29. Pediatric PET-CT; Indications and Techniques. Radiology Rounds, Great Ormand Street Hospital, London, England, October 9, 2008.
30. Reading and Interpreting Diagnostic Studies. The Domestic Affiliates, Clinical Research Nurse Associates Meeting. St Jude Children's Research Hospital, Memphis, TN, Oct. 16, 2008.
31. Applications of PET in Pediatric Oncology. The 52nd Annual Meeting of the Society for Pediatric Radiology, Carlsbad, CA April 22-25th, 2009.
32. Pediatric Solid Tumors: Therapeutic Response Monitoring with FDG-PET. The 52nd Annual Meeting of the Society for Pediatric Radiology, Carlsbad, CA April 22-25th, 2009.
33. PET-CT of Soft Tissue and Abdominal Tumors. The 56th Annual Meeting of the Society of Nuclear Medicine. Toronto, ON, CA. June 13-17th, 2009
34. Evaluating the Child with Bone Pain: Malignancies and Mimickers. The 9th Annual Meeting of the International Cancer Imaging Society, Salzburg, Austria, Oct 3-5th, 2009.
35. Sonography of Complications of Cancer Therapy in Children. The Annual Meeting of the Society of Radiologists in Ultrasound. Chicago, IL, Oct 30-Nov 1st, 2009.
36. Ocular Sonography in Children; What We Can See. Categorical Course, The Annual Meeting of the American Institute of Ultrasound in Medicine, San Diego, CA, March 24-27, 2010.
37. Transcranial Doppler Sonography in Children with Sickle Cell Disease. Meet the Professor, The Annual Meeting of the American Institute of Ultrasound in Medicine, San Diego, CA, March 24-27, 2010.
38. PET-CT of Childhood Sarcomas. The 53rd Annual Meeting of the Society for Pediatric Radiology, Boston, MA, April 13-17, 2010.
39. The Management of Pulmonary Nodules in Children with Solid Malignancies. The 42nd Annual Meeting of the International Society of Paediatric Oncology, Boston, MA, USA, Oct 21-23, 2010.
40. Malignant Pulmonary and Mediastinal Tumors in Children: Differential Diagnoses. The 10th Annual Meeting of the International Cancer Imaging Society, Edinburgh, UK, Oct 4-6th, 2010.
41. Soft Tissue and Osseous Sarcomas in Children. Radiological Society of North America, 96th Scientific Assembly and Annual Meeting, Refresher Course, Chicago, IL, Nov 28-Dec 3, 2010
42. Ultrasound of GI and Abdominal Tumors in Children. The Annual Meeting of the American Institute of Ultrasound in Medicine, New York, NY, April 15-17th, 2011
43. Contrast Enhanced Ultrasound of Pediatric Patients. Ultrasound Summit at The International Congress of Pediatric Radiology, London, UK, May 28th-31st, 2011

44. Lymphoma Response. Nuclear Medicine Sunrise Session at The International Congress of Pediatric Radiology, London, UK, May 28th-31st, 2011
45. Imaging Neuroblastoma; What the Radiologist Needs to Know. The 11th Annual Meeting of the International Cancer Imaging Society, Copenhagen, Denmark, October 3-5, 2011
46. Clinical Applications of MRI R2 and R2*. Sunrise Session; Cardiac and Liver Iron Imaging: A Practical Approach. The Annual Meeting of the Society for Pediatric Radiology, San Francisco, CA, April 18th, 2012
47. PET-CT of Lymphoma Response: Outcome Predictors. Nuclear Medicine Workshop. The Annual Meeting of the Society for Pediatric Radiology, San Francisco, CA, April 18th, 2012
48. Imaging of Bone and Soft Tissue Sarcomas in Children. The 12th Annual Meeting of the International Cancer Imaging Society, Oxford, UK, Oct 3rd-5th, 2012.
49. Malignant Mediastinal and Pulmonary Masses in Children. The Second Radiological Society of South Africa/International Cancer Imaging Society, Cancer Imaging Course. Spier Estate, Stellenbosch, South Africa. January 25-27th, 2013.
50. Imaging Neuroblastoma: What the Radiologist Needs to Know. The Second Radiological Society of South Africa/International Cancer Imaging Society, Cancer Imaging Course. Spier Estate, Stellenbosch, South Africa. January 25-27th, 2013.
51. Pediatric Renal Tumors: Wilms Tumor and Beyond. The Second Radiological Society of South Africa/International Cancer Imaging Society, Cancer Imaging Course. Spier Estate, Stellenbosch, South Africa. January 25-27th, 2013.
52. Transcranial Doppler Ultrasound in Children with Sickle Cell Disease. Refresher Course. RSNA Annual Meeting, November 25 – November 30, 2012, Chicago, IL
53. New Paradigms for the Treatment of Hodgkin and non-Hodgkin Lymphomas: The Crucial Role of Imaging. Refresher course. RSNA Annual Meeting, November 25 – November 30, 2012, Chicago, IL
54. Contrast Enhanced Ultrasound in Children. Boston Children's Hospital, visiting professor, Jan.9th, 2013
55. Image Defined Risk Factors for Neuroblastoma: What the Radiologist Needs To Know. Boston Children's Hospital, visiting professor, Jan.9th, 2013
56. Intravenous Contrast Enhanced Ultrasound in Children: Current Applications and Safety Data. Joint Society for Pediatric Radiology and International Contrast Ultrasound Society, Professional Briefing of the FDA on Pediatric Contrast Enhanced Ultrasound. FDA White Oak Campus, Silver Springs, MA, April 25th, 2013.
57. Pediatric Ocular Ultrasound. The annual meeting of the American Institute of Ultrasound in Medicine, New York, New York, April 6th -10th, 2013.
58. Contrast Enhanced Ultrasound Safety Issues in Children. The annual meeting of the American Institute of Ultrasound in Medicine, New York, New York, April 6th -10th, 2013.
59. Magnetic Resonance Imaging Assessment of Liver Iron and Fat. Sunrise Session at the annual meeting of the Society for Pediatric Radiology, San Antonio, TX, May 14th-18th, 2013
60. Contrast Enhanced Sonography; Safety Issues in Children and Potential Applications in Pediatric Oncology. Sunrise Session, at the annual meeting of the Society for Pediatric Radiology, San Antonio, TX, May 14th-18th, 2013
61. Ultrasound Contrast Agents in Children. Plenary Session at the annual meeting of the International Cancer Imaging Society, York, UK, Sept. 30th - Oct. 2nd, 2013.
62. Thoracic and Abdominal Tumors in Children: Test Your Knowledge. Paediatric Tumors, Interactive Workshop at the annual meeting of the International Cancer Imaging Society, York, UK, Sept. 30th - Oct. 2nd, 2013.

63. Transcranial Doppler Ultrasound in Children with Sickle Cell Disease. Refresher Course. RSNA Annual Meeting, Chicago, IL, November 30th – December 6th, 2013.
64. Resident's Imaging Review Conference. Betty Wood Memorial Visiting Professorship, British Columbia Children's Hospital, Vancouver, BC, Canada, March 12th, 2014
65. Imaging of Pediatric Bone and Soft-Tissue Sarcomas. University of British Columbia Radiology Grand Rounds, Betty Wood Memorial Visiting Professorship, Vancouver, BC, Canada, March 12th, 2014
66. PET-CT in Pediatric Lymphoma. British Columbia Children's Hospital Radiology-Oncology Session, Betty Wood Memorial Visiting Professorship, British Columbia Children's Hospital, Vancouver, BC, Canada, March 13th, 2014
67. Safety of Contrast Enhanced Ultrasound in Pediatric Oncology. The Annual Meeting of the International Contrast Ultrasound Society, Chicago, IL, Sept. 10th-12th, 2014.
68. Contrast Enhanced Ultrasound in Pediatrics. Morning Workshop at the Annual Meeting of the Society of Radiologists in Ultrasound, Denver, CO, Oct 24-26th, 2014. *Selected for release on www.SonoWorld.com*
69. PET-CT in Rhabdomyosarcoma and Non-rhabdomyosarcoma Soft-tissue Sarcomas. European Pediatric Soft-tissue Sarcoma Society, Lyon, France, Dec. 10-12th, 2014.
70. Contrast Enhanced Ultrasound in Pediatric Oncology. Post Graduate Course, the Annual Meeting of the Society for Pediatric Radiology, Seattle, WA April 30th, 2015.
71. Contrast Enhanced Ultrasound in Pediatric Oncology. Sunrise Session, the Annual Meeting of the Society for Pediatric Radiology, Seattle, WA April 30th, 2015.
72. Contrast Enhanced Ultrasound in Pediatric Oncology. The 3rd International Paediatric Contrast-Enhanced Ultrasound Course. King's College Hospital, London, UK, June 25th – 26th, 2015
73. Quantitative Contrast Enhanced Ultrasound for Assessment of Anti-Angiogenic Therapy in Children and Adolescents with Solid Malignancies. The Annual Meeting of the International Contrast Enhanced Ultrasound Society, Chicago, IL, Sept. 10th-11th, 2015. *Selected for meeting press release at <https://www.businesswire.com/portal/site/home/news/> and <http://www.dotmed.com/news/story/27052>. Featured in HealthCare Business news, November 2015;28*
74. What MRI Can Tell Us About Neurogenic Tumors and Rhabdomyosarcoma. The Society for Pediatric Radiology, Pediatric Body MRI Course, Toronto, CA, Sept 18th- 19th, 2015.
75. Pediatric Bone and Soft-Tissue Sarcomas. The Annual Meeting of the International Cancer Imaging Society, London, UK, Oct 5th – 7th, 2015.
76. Contrast Enhanced Ultrasound in Pediatric Oncology: Focal Liver Lesions and Beyond. The 26th Annual Meeting of the Society of Radiologists in Ultrasound, Chicago, IL, October 23-25, 2015. *Selected for release on www.SonoWorld.com*
77. Pediatric Abdominopelvic Tumors. Refresher Course, the Annual Meeting of the Radiological Society of North America, Chicago, IL, November 29 – December 4th, 2015.
78. MRI of Neurogenic Tumors and Rhabdomyosarcoma. Children's Hospital of Philadelphia, Visiting Professorship, February 9th and 10th, 2016.
79. Case Based Review of Pediatric Malignancies and Mimickers. Children's Hospital of Philadelphia, Visiting Professorship, February 9th and 10th, 2016.
80. The Potential Role of Contrast Enhanced Ultrasound in the Assessment of Anti-Angiogenic Therapy in Pediatric Solid Tumors. Children's Hospital of Philadelphia, Visiting Professorship, February 9th and 10th, 2016.
81. Clinical Applications of Contrast Enhanced Ultrasound in Pediatric Oncology. Children's Hospital of Philadelphia, Visiting Professorship, February 9th and 10th, 2016.

82. Transcranial Doppler Ultrasound in Sickle Cell Disease. Annual meeting of the American Institute of Ultrasound in Medicine, New York, NY, March 17th- 21st, 2016.
83. Intravenous Contrast Enhanced Sonography in Pediatric Oncology. Annual meeting of the American Institute of Ultrasound in Medicine, New York, NY, March 17th- 21st, 2016.
84. Pediatric Soft Tissue Sarcomas. 7th International Pediatric Radiology Conjoint Meeting & Exhibition, Oncology & Nuclear Medicine Session, Chicago, IL, Friday, May 20, 2016.
85. Contrast Enhanced Ultrasound of Liver Lesions in Pediatric Oncology. The Annual Meeting of the International Contrast Ultrasound Society. Chicago, IL, September 8th and 9th, 2016.
86. Contrast Enhanced Ultrasound in Pediatric Oncology. Society for Pediatric Radiology 2016 Pediatric Ultrasound Course, Nemours Children's Hospital, Orlando, Florida, November 4-6, 2016.
87. Abdominal Complications of Cancer Therapy in Children. Annual Meeting of the Radiological Society of North America, Chicago, IL Nov 27th – Dec 2nd, 2016.
88. Contrast Enhanced Ultrasound of Liver Lesions in Pediatric Oncology Patients. GE Healthcare Symposium on "The Use of Contrast-Enhanced Ultrasound in the Characterization of Liver Lesions", at the 2016 Annual Meeting of the Radiological Society of North America, Chicago, IL, Nov 27th – Dec 2nd, 2016.
89. Contrast Enhanced Ultrasound of Liver Lesions. A Children's Cancer Center Experience. Coeur Lecture, 22nd European Symposium on Ultrasound Contrast Imaging, Rotterdam, The Netherlands, Jan 19-20, 2017.
90. Contrast Ultrasound in Tumor Imaging. Little Bubbles in Little People: Contrast-Enhanced Ultrasound and Other Cutting-Edge Technology in Pediatrics. Annual meeting of the American Institute of Ultrasound in Medicine, Orlando, FL, March 25-29, 2017.
91. Safety of Ultrasound Contrast Agents in Children. Given on behalf of Dr. Jamie Coleman. Annual meeting of the American Institute of Ultrasound in Medicine, Orlando, FL, March 25-29, 2017.
92. Renal Tumors of Childhood. State of the Art Pediatric Chest and Abdomen Imaging. Given on behalf of Dr. Jamie Coleman at the Annual meeting of the American Roentgen Ray Society, New Orleans, LA, April 30 - May 5, 2017.
93. Contrast Enhanced Ultrasound in Pediatric Patients. The Korean Society of Ultrasound in Medicine, Seoul, So. Korea, May 26- 27, 2017.
94. Problem Solving Abdomen Ultrasound for Pediatric Oncology Patients. The Korean Society of Ultrasound in Medicine, Seoul, So. Korea, May 26- 27, 2017.
95. CEUS in Paediatric Oncology. 4th International Paediatric CEUS Course. King's College Hospital, London, UK, June 19-20th, 2017.
96. Abdominal Complications of Cancer Therapy in Children. Pediatric Series, Radiological Society of North America 2017 Annual Meeting, Nov. 29th, 2017, Chicago IL
97. Budd Chiari/Hepatic Venous Occlusive Disease. Post-Graduate Course, Society for Pediatric Radiology 2018 Annual Meeting, May 15th, 2018, Nashville, TN
98. Update on RECIST, Nuclear Medicine/Oncology Session, Society for Pediatric Radiology 2018 Annual Meeting, May 19th, 2018.
99. Treatment Monitoring in Intermediate and High-Risk Rhabdomyosarcoma: A Pilot Study. 2018 Annual Meeting of the International Contrast Ultrasound Society, Sept. 6th-8th, Chicago, IL
100. Bone and Soft-Tissue Sarcomas in Children. International Cancer Imaging Society, Annual Meeting, Menton, France, Oct 6th-9th, 2018

101. PRETEXT for Pediatric Liver Tumors. Given on behalf of A Towbin, International Cancer Imaging Society, Annual Meeting, Menton, France, Oct 6th-9th, 2018
102. PRETEXT/POST-TEXT: A Review and Update. The Society for Pediatric Radiology, Oncologic Imaging Course, November 9-11th, 2018, St. Jude Children's Research Hospital, Memphis, TN
103. Acute Complications of Cancer Therapy. The Society for Pediatric Radiology, Oncologic Imaging Course, November 9-11th, 2018, St. Jude Children's Research Hospital, Memphis, TN
104. Neuroblastoma Imaging: Update on IDRF-How To. 2019 Annual Meeting of the Society for Pediatric Radiology, Post-Graduate Course. April 30th-May 4th, San Francisco, CA
105. Contrast-enhanced Ultrasound in Pediatric Oncology, 5th International Pediatric Contrast Ultrasound Course, June 24th-25th, 2019, King's College Hospital, London, UK
106. Pediatric Renal Tumors. The International Cancer Imaging Society Annual Meeting, Oct 7th-9th, 2019, Verona, Italy
107. Resident's Rounds. Mass General Hospital, Boston, MA. Jan 8th, 2020
108. Contrast Enhanced Ultrasound in Pediatric Oncology. Radiology Grand Rounds. Mass General Hospital, Boston, MA. Jan. 8th, 2020
109. PRETEXT/POST: A Review and Quiz Cases. XXIII AHOPCA Annual Conference and XXI MISPHO Annual Conference. Virtual Meeting of the Central American Pediatric Oncology Group. Feb 19, 2021
110. PRETEXT Staging: Hands-On Workshop. XXIII AHOPCA Annual Conference and XXI MISPHO Annual Conference. Virtual Meeting of the Central American Pediatric Oncology Group. Feb 20, 2021
111. Contrast Enhanced Ultrasound as a Problem Solving Tool in Pediatric Oncology. Mexican Society of Radiology Virtual International Course, Sept. 9-11, 2021
112. Contrast Enhanced Ultrasound in Pediatric Oncology, 8th International Pediatric Radiology Conjoint Meeting & Exhibition, Rome, Italy, Oct 11-15th, 2021
113. Pediatric Bone and Soft Tissue Sarcomas. 107th Annual Meeting of the RSNA, Chicago, IL, Nov 28th-Dec 2nd, 2021