

CURRICULUM VITAE

Michael O. Griffin MD, PhD

**Associate Professor
Department of Radiology
Division of Abdominal and Body Imaging**

OFFICE ADDRESS:

Froedtert Hospital
9200 W Wisconsin Ave
Milwaukee, WI 53226

EDUCATION:

09/03/1996 - 05/21/2000 BS, University of Wisconsin-Madison, Madison, WI
09/01/2001 - 12/15/2007 PhD, University of California-San Diego, La Jolla, CA
08/16/2005 - 05/17/2009 MD, University of Wisconsin School of Medicine & Public Health, Madison, WI

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/01/2009 - 06/30/2010 Transitional Year Resident, Wheaton Franciscan Healthcare-St. Joseph, Transitional Year Residency, 5000 W. Chambers St., Milwaukee, WI 53210
07/01/2010 - 06/30/2014 Resident, Radiology, Medical College of Wisconsin Affiliated Hospitals, Graduate Medical Education, 8701 Watertown Plank Rd., Milwaukee, WI 53226
07/01/2014 - 06/30/2015 Fellow, Radiology, Body Imaging, Stanford University Medical Center, Department of Radiology, 300 Pasteur Dr., H1307, Stanford, CA 94305

FACULTY APPOINTMENTS:

07/01/2014 - 06/30/2015 Clinical Instructor, Radiology, Stanford University Medical Center, Department of Radiology, 300 Pasteur Dr., H1307, Stanford, CA 94305
07/01/2015 - 06/31/2021 Assistant Professor, Radiology, Diagnostic Radiology, Medical College of Wisconsin, Department of Radiology, 9200 W. Wisconsin Ave., Milwaukee, WI 53226
06/01/2018 - 06/31/2021 Assistant Professor, Surgery, Medical College of Wisconsin, Department of Surgery, 8701 Watertown Plank Rd., Milwaukee, WI 53226
07/01/2021 - Present Associate Professor, Radiology, Diagnostic Radiology, Medical College of Wisconsin, Department of Radiology, 9200 W. Wisconsin Ave., Milwaukee, WI 53226
07/01/2021 - Present Associate Professor, Surgery, Medical College of Wisconsin, Department of Surgery, 9200 W. Wisconsin Ave., Milwaukee, WI 53226

ADMINISTRATIVE APPOINTMENTS:

2016 - Present Medical Director, Body MRI, Radiology, Medical College of Wisconsin, 9200 W. Wisconsin Ave., Milwaukee, WI 53226

EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:

2020 - Present Activity Director, Continuing Education in Body Imaging (CEBI), Department of Radiology, Medical College of Wisconsin, Milwaukee, WI 53226
06/2021 - 06/2023 Associate Fellowship Director, Abdominal/Body Imaging Fellowship, Department of Radiology, Medical College of Wisconsin, 9200 W. Wisconsin Ave., Milwaukee, WI 53226
07/2023 - Present Fellowship Director, Abdominal/Body Imaging Fellowship, Department of Radiology, Medical College of Wisconsin, 9200 W. Wisconsin Ave., Milwaukee, WI 53226

HOSPITAL STAFF PRIVILEGES:

07/01/2014 - 06/30/2015 Clinical Instructor, Stanford University Medical Center, 300 Pasteur Dr., Stanford,

CA 94305
 07/01/2014 - 06/30/2015 Radiologist, VA Palo Alto Healthcare System, 3801 Miranda Ave., Palo Alto, CA 94304
 07/01/2015 - Present Radiologist, Clement J. Zablocki VA Hospital, 5000 W. National Ave., Milwaukee, WI 53214
 07/01/2015 - Present Radiologist, Froedtert Hospital, 9200 W. Wisconsin Ave., Milwaukee, WI 53226
 07/01/2017 - Present Radiologist, Froedtert West Bend Hospital, 3200 Pleasant Valley Rd., West Bend, WI 53095
 07/01/2017 - Present Radiologist, Froedtert Menomonee Falls Hospital, W180 N8085 Town Hall Rd., Menomonee Falls, WI 53051
 04/09/2018 - 2023 Radiologist, Children's Hospital of Wisconsin, 8915 W. Connell Ct., Milwaukee, WI 53226

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
USMLE	02/25/2010	None
Diagnostic Radiology	10/02/2015	None

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
ACR-SAR-SCBTMR Practice Parameter for the Performance and Interpretation of Computed Tomography Colonography	American College of Radiology	11/10/2022	None

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Wisconsin Medical License	54830-20	08/09/2010	10/31/2023
California Medical License	129429	03/28/2014	01/31/2022

AWARDS AND HONORS:

1996 Robert C. Byrd All-State Scholarship
 1996 West Bend Clinic Health Sciences Scholarship
 1998 - 2000 University of Wisconsin-Madison Dean's List
 1999 Trewartha Honors Undergraduate Research Grant
 2002 - 2005 Cardiovascular Physiology and Pharmacology NIH Predoctoral Fellowship
 2002 American Heart Association New Investigator Travel Award
 2003 World Congress on Inflammation Young Investigator Travel Award
 2007 - 2009 Otto Villwock Scholarship in Medicine
 2009 B.K. and Tomina Lovell Scholarship in Radiology
 2014 Certificate of Leadership Fundamentals, Radiology Leadership Institute of the American College of Radiology
 2015 Certificate of Leadership Proficiency, Radiology Leadership Institute of the American College of Radiology
 2022 - 2023 MCW Leadership Academy, Medical College of Wisconsin and University of Wisconsin-Milwaukee Lubar School of Business, "The Great Resignation" workgroup

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

2005 - Present American Medical Association (AMA)
 2010 - Present Radiological Society of North America (RSNA)
 2010 - Present American Roentgen Ray Society (ARRS)
 2010 - Present American College of Radiology (ACR)

2015 - Present Society for Advanced Body Imaging (SABI)
2015 - Present Society of Abdominal Radiology (SAR)
2015 - Present Milwaukee Roentgen Ray Society (MRRS)
2017 - Present International Society for Magnetic Resonance in Medicine (ISMRM)

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Ad-Hoc Reviewer
2017 - 2020 Journal of Computer Assisted Tomography
2018 BMC Urology
2020 Annals of Pancreatic Cancer

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title: Histological Validation of MRI of the Prostate (PRO00022426)
Source: NIH Cancer Institute
Role & Effort: Sub-investigator
PI: Peter LaViolette, Ph.D
Dates: 09/19/2014 - Present

Non-Peer Review

Title: Accuracy of CT in the detection of perineural invasion in pancreatic adenocarcinoma at initial staging (PRO00026597)
Source: Non-funded
Role & Effort: Principal Investigator
PI: Michael O. Griffin, MD PhD
Dates: 05/24/2016 - Present

Title: Clinical outcomes of inflammatory bowel disease in patients with liver disease (PRO00038708)
Role & Effort: Sub-investigator
PI: Poonam Beniwal-Patel, MD
Dates: 09/17/2020 - Present

Title: To Identify Ferromagnetic Components of Medical Implants in Patients by Dual Energy CT
Source: Medical College of Wisconsin Research Affairs Committee
Role & Effort: Co-Investigator
PI: Yonggang Lu, PhD
Dates: 07/01/2022 - Present

Title: 10 year review stratifying success of non-operative management of blunt splenic trauma (PRO00040656)
Role & Effort: Sub-Investigator
PI: Thomas Carver, MD
Dates: 08/01/2022 - Present

Prior

Non-Peer Review

Title: BM-019: A Post Approval Registry:
ExAblate Treatment Of Metastatic Bone
Tumors For The Palliation Of Pain
(PRO00026044)
Source: Insightec, Ltd.
Role & Effort: Sub-investigator
PI: Sean M. Tutton, MD
Dates: 07/11/2016 - 07/06/2017

Title: BM-018: A Phase IV Post Approval
Clinical Study Of ExAblate Treatment
Of Metastatic Bone Tumors For The
Palliation Of Pain (PRO00026163)
Source: Insightec, Ltd.
Role & Effort: Sub-investigator
PI: Sean M. Tutton, MD
Dates: 09/27/2016 - 07/12/2019

Title: An Open-Label Randomized Study
Comparing Transarterial Tirapazamine
Embolization Versus Transarterial
Chemoembolization in Intermediate
Stage Hepatocellular Carcinoma (TATE
vs TACE) (PRO00030255)
Source: Teclison USA Limited
Role & Effort: Sub-investigator
PI: William S. Rilling, MD
Dates: 02/12/2018 - 09/03/2019

Title: Prospective evaluation of iodinated
contrast dose, image quality and
radiation dose in Transarterial Aortic
Valve Replacement (TAVR) Computed
Tomography using regular 120 kVp
versus low kV Single Energy Computed
Tomography (SECT) (PRO00031961)
Source: Non-funded
Role & Effort: Sub-investigator
PI: William D. Foley, MD
Dates: 05/29/2018 - 10/20/2022

Title: Thoracic, Abdomen, Abdominal Aorta,
and Pelvis angiography and non-vascular
X-ray Dose Reduction and Image
Quality Improvement with a Next
Generation CT Reconstruction
Algorithm (PRO00033517)
Source: Non-funded
Role & Effort: Sub-investigator
PI: William D. Foley, MD
Dates: 12/04/2018 - 10/20/2022

Title: Prognostic value of texture analysis of
CT images in pancreatic cancer
Source: Non-funded
Role & Effort: Study Investigator

PI: Kevin Koch, PhD (umbrella protocol PI)
Dates: 11/15/2019 - 08/10/2021

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

National

- "Magnetic resonance-guided focused ultrasound surgery (MRgFUS): musculoskeletal applications", Cooley Visiting Professor, Department of Radiology, University of Texas Medical Branch, Galveston, TX, 05/15/2017
- "Vascular diseases for the abdominal radiologist", Society of Abdominal Radiology 2019 Annual Scientific Meeting and Educational Course, Hollywood, FL, 03/19/2019
- "Complications of bariatric surgery: commonly encountered", Society of Abdominal Radiology 2020 Annual Scientific Meeting and Educational Course, Maui, HI, 03/05/2020

Local

- "Imaging of Pancreatic Cancer: Current State and Future Directions", Milwaukee Roentgen Ray Society Meeting, Milwaukee, WI, 02/10/2016
- "Early Experience with ExAblate MR-guided Focused Ultrasound Surgery (MRgFUS) at MCW", GE-MCW Research Review, GE Healthcare, Waukesha, WI, 09/16/2016
- "Fundamentals of Radiologic Staging of Pancreatic Cancer", 6th Annual Pancreatic Cancer Symposium, Milwaukee, WI, 01/27/2017
- "Multipass high resolution CT: liver, pancreas, & kidneys", GE CT engineer lecture series, GE Healthcare, Waukesha, WI, 03/03/2017
- "Magnetic resonance-guided focused ultrasound surgery (MRgFUS): bone and soft tissue applications", Sixth Annual Advances in Hematology and Oncology Fall Symposium, Green Bay, WI, 10/21/2017
- "CT/MRI of the Liver & Pancreas", GE CT engineer Lecture Series, GE Healthcare, Waukesha, WI, 03/06/2018
- "Imaging of the pancreas: what you need to know", MCW Department of Surgery 2020 Surgical Oncology Symposium, Medical College of Wisconsin, 10/23/2020
- "Pancreatic cancer imaging: a brief review of key concepts", Milwaukee Roentgen Ray Society Meeting, Milwaukee, WI, 11/11/2020
- "High resolution pelvic MR", Froedtert Health MR technologist staff meeting, Milwaukee, WI, 02/09/2021
- "MR defecography", Froedtert Health MR technologist staff meeting, Milwaukee, WI, 03/09/2021
- "Eovist vs. Gadavist", Froedtert Health MR technologist staff meeting, Milwaukee, WI, 11/09/2021
- "Abbreviated MRI for HCC surveillance", Hepatology Team Monthly Meeting, Medical College of Wisconsin, 06/21/2023
- "Prostate MRI", Froedtert Health Biannual MR technologist system meeting, Milwaukee, WI, 12/05/2023

COMMITTEE SERVICE:

Medical College of Wisconsin

- 2016 - Present Faculty Research Committee - Gynecologic Oncology, Medical College of Wisconsin
- 2016 - Present Pancreatic Cancer Program, Multidepartmental, Medical College of Wisconsin
- 2017 - 2021 PET/MR Operational Committee, Radiology, Medical College of Wisconsin
- 2020 - Present Incentive Review Committee, Radiology, Medical College of Wisconsin
- 2021 - Present Education Committee, Radiology, Medical College of Wisconsin

Hospital

- 2009 - 2010 Infection Control Committee, Wheaton Franciscan Healthcare-St. Joseph
- 2015 - 2017 MR-Guided Focused Ultrasound Surgery (MRgFUS) Operational Committee, Froedtert Hospital/Medical College of Wisconsin
- 2016 - Present MRI Protocol Committee, Radiology, Froedtert Hospital/Medical College of Wisconsin
- 2018 - Present MRI Safety Committee, Radiology, Froedtert Hospital/Medical College of Wisconsin
- 2021 - Present Imaging Services Quality Improvement (ISQI) committee - MRI subgroup, Radiology, Froedtert Hospital/Medical College of Wisconsin

MCW TEACHING ACTIVITIES:

Resident and Fellow Education

03/27/2011 Radiology Resident Conference Series, "Vascular Imaging in Marfan and Loeys-Dietz Syndromes"
03/14/2012 Radiology Resident Conference Series, "Pulmonary Complications of Bone Marrow Transplant"
03/23/2012 Radiology Resident Conference Series, "Surgical Conduits for Pediatric Cyanotic Congenital Heart Disease"
03/22/2013 Radiology Resident Conference Series, "Malignant Pediatric Liver Masses"
04/18/2013 Radiologic Pathology Correlation Conference, "Intrahepatic Cholangiocarcinoma"
11/21/2013 Radiologic Pathology Correlation Conference, "Mesoblastic Nephroma"
01/17/2014 Radiology Resident Conference Series, "Pediatric Renal Masses"
08/26/2015 Radiology Journal Club, faculty mentor, Josh Bonis
10/29/2015 Resident lecture, "Traumatic Aortic Injury"
02/11/2016 Resident lecture, "Diffuse Liver Disease & Elastography"
04/15/2016 Resident lecture, "CT Angiography of the Mesenteric Vasculature"
05/05/2016 Resident lecture, "Retroperitoneal Masses"
08/03/2016 Resident lecture, "Diffuse Liver Disease"
09/13/2016 Resident Lecture, "CT Angiography of the Aorta and Pelvis: Principles and Applications"
11/16/2016 Resident lecture, "Ultrasound of the lower extremities"
03/17/2017 Resident Lecture, "GI Bleeding"
05/17/2017 Resident lecture, "Body MRI sequences"
08/04/2017 Resident Lecture, "GI Emergencies"
09/27/2017 Radiology Journal Club, faculty mentor, Bridget Kistner
05/03/2018 Resident Lecture, "Retroperitoneal Masses"
05/10/2018 Resident Lecture, "Aortic Trauma"
08/02/2018 Resident Lecture, "Diffuse Liver Disease"
05/20/2019 Resident Lecture, "MR Artifacts"
01/17/2020 Resident Lecture, "Diseases of the retroperitoneum"
04/28/2020 Resident Lecture, "Pancreatic Masses"
09/10/2020 Resident Lecture, "Liver transplant"
10/20/2021 Resident Lecture, "Dynamic MRI of the pelvic floor"
01/28/2022 Urology Resident Lecture, "Prostate MR"
03/15/2022 Resident Lecture, "Diffuse Liver Disease"
04/19/2023 Resident Lecture, "Radiology Resident Physics Lecture Series - MRI: Fat Suppression"
09/11/2023 Resident Lecture, "Aortic Trauma"
09/12/2023 Resident Lecture, "GI Bleed and Mesenteric Ischemia"
03/07/2024 Resident Lecture, "Radiology Resident Physics Lecture Series - MRI: Fat Suppression"
03/28/2024 Resident Lecture, "Radiology Resident Physics Lecture Series - MRI: Artifacts"
04/17/2024 Resident Lecture, "Radiology Resident Physics Lecture Series - MRI: Body Imaging Sequences"

Continuing Medical Education

01/25/2012 Radiology Journal Club
2015 - Present Pancreaticobiliary Disposition Conference
2015 - Present Endocrine Neoplasia Disposition Conference
2015 - 2020 Genitourinary Tumor Board
2015 - 2018 Vascular Case Conference
2015 - 2020 GI/Hepatology Clinical Conference & Seminar
2015 - 2020 Department of Medicine Clinical Pathological Conference
2015 - Present Gynecologic Oncology Tumor Board
2015 - Present Hepatic Tumor Conference
2015 - Present GI/Regional Therapies Tumor Board
2016 - 2020 Prostate Tumor Board
2016 Griffin MO and Tutton SM, "MR-Guided High-Intensity Focused Ultrasound Surgery Arrives at the Medical College of Wisconsin and Froedtert Hospital", MCW Radiology News, Spring 2016
05/10/2017 "Magnetic resonance-guided focused ultrasound surgery (MRgFUS): musculoskeletal

applications", Continuing Education in Body Imaging (CEBI) lecture
2017 - Present Froedtert Menomonee Falls Hospital Tumor Board
2017 - Present Froedtert West Bend Hospital Tumor Board
07/17/2019 "PET/MR", Continuing Education in Body Imaging (CEBI) lecture
02/23/2022 "Imaging of liver transplant", Continuing Education in Body Imaging (CEBI) lecture
07/27/2022 "Dynamic MRI of the pelvic floor", Continuing Education in Body Imaging (CEBI) lecture
09/28/2022 "Imaging pancreatic adenocarcinoma: current state and future directions", Continuing
Education in Body Imaging (CEBI) lecture
04/26/2023 "Review of TI-RADS with Follow-Up on Biopsied Nodules", Continuing Education in Body
Imaging (CEBI), faculty mentor, Kennedy Wirtz
05/24/2023 "Intraductal papillary neoplasm of the bile duct (IPNB) and mucinous cystic neoplasm of the
liver (MCN-L)", Continuing Education in Body Imaging (CEBI), faculty mentor, Danielle Nagel
10/25/2023 "Complications of bariatric surgery", Continuing Education in Body Imaging (CEBI) lecture
02/28/2024 "CT angiography technique - contrast bolus timing", Continuing Education in Body Imaging
(CEBI) lecture
09/25/2024 "Mesenteric ischemia", Continuing Education in Body Imaging (CEBI) lecture
10/30/2024 Continuing Education in Body Imaging (CEBI) Journal Club, Radiology
2024;310(3):e231593.

EXTRAMURAL TEACHING:

Community/Lay Public

10/14/2017 "Pancreatic Cancer." The Word on Medicine: Where Knowledge is Changing Life. News/Talk
1130 WISN. 11 Nov. 2017. Radio.

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

Medical Students

2016 - 2017 Mallory Koula, Research mentor, Medical College of Wisconsin
2016 Avishkar Sharma, QI project mentor, Medical College of Wisconsin

Clinical/Research Fellows

2015 - 2016 Brian Bolinger, MD, Academic & professional development, Medical College of Wisconsin
2015 - 2016 Kathleen Senebouttarath, MD, Academic & professional development, Medical College of
Wisconsin
2015 - 2017 Jeffrey Anderson, MD, Academic & professional development, Medical College of Wisconsin
2015 - 2017 Chinar Lath, MD, Academic & professional development, Medical College of Wisconsin
2016 - 2017 David Keaton, MD, Academic & professional development, Medical College of Wisconsin
2016 - 2017 Humera Baig, MD, Academic & professional development, Medical College of Wisconsin
2017 - 2018 Aaron Massie, MD, Academic & professional development, Medical College of Wisconsin
2017 - 2018 Frederick Joachim, MD, Academic & professional development, Medical College of
Wisconsin
2017 - 2018 Bridget Larson, MD, Academic & professional development, Medical College of Wisconsin
2017 - 2018 Matt Abell, MD, Academic & professional development, Medical College of Wisconsin
2018 - 2019 M. Tyler Babbitt, MD, Academic & professional development, Medical College of Wisconsin
2018 - 2019 Pavan Parasu, MD, Academic & professional development, Medical College of Wisconsin
2018 - 2019 Marcus Bickford, MD, Academic & professional development, Medical College of Wisconsin
2018 - 2019 Tyler Flessner, MD, Academic & professional development, Medical College of Wisconsin
2019 - 2020 Syed "Ashter" Ashar Rizvi, MD, Academic & professional development, Medical College of
Wisconsin
2019 - 2020 Eric Fair, MD, Academic & professional development, Medical College of Wisconsin,
Assistant Professor of Radiology at MCW
2019 - 2020 Ahmad Bakdali, MD, Academic & professional development, Medical College of
Wisconsin
2019 - 2020 Adam Wadzinski, DO, Academic & professional development, Medical College of
Wisconsin
2020 - 2021 Ahmed Soliman Abdalla, MD, Academic & professional development, Medical College of

Wisconsin

- 2020 - 2021 John Jesse, MD, Academic & professional development, Medical College of Wisconsin
2020 - 2021 Matthew Smetko, MD, Academic & professional development, Medical College of Wisconsin
2020 - 2021 Martin McKinney, MD, Academic & professional development, Medical College of Wisconsin, Assistant Professor of Radiology at MCW
2021 - 2022 Matthew Evans, MD, Academic & professional development, Medical College of Wisconsin
2021 - 2022 Eric P. Segal, MD, Academic & professional development, Medical College of Wisconsin, Assistant Professor of Radiology at MCW
2021 - 2022 Joshua Floyd, DO, Academic & professional development, Medical College of Wisconsin
2021 - 2022 Nathan Meyer, MD, Academic & professional development, Medical College of Wisconsin
2021 - 2022 Craig Swanson, DO, Academic & professional development, Medical College of Wisconsin
2022 - 2023 Thomas Lindsay, MD, Academic & professional development, Medical College of Wisconsin, Assistant Professor of Radiology at MCW
2022 - 2023 Danielle Nagel, MD, Academic & professional development, Medical College of Wisconsin
2022 - 2023 Johanna E. Dobard, DO, Academic & professional development, Medical College of Wisconsin
2022 - 2023 Kennedy Wirtz, MD, Academic & professional development, Medical College of Wisconsin
2022 - 2023 Nolan Reed, MD, Academic & professional development, Medical College of Wisconsin, Assistant Professor of Radiology at MCW
2022 - 2024 Brian J. Di Giacinto, DO, Academic & professional development, Medical College of Wisconsin, Assistant Professor of Radiology at MCW
2023 - 2024 Andrew Erickson, DO, Academic & professional development, Medical College of Wisconsin
2023 - 2024 Charles Messerly, DO, Academic & professional development, Medical College of Wisconsin, Assistant Professor of Radiology at MCW
2023 - 2024 Douglas Pierce, MD, Academic & professional development, Medical College of Wisconsin, Assistant Professor of Radiology at MCW
2024 - Present Kyle Kirkover, MD, Academic & professional development, Medical College of Wisconsin
2024 - Present Stephen Williams, MD, Academic & professional development, Medical College of Wisconsin
2024 - Present Javier Lopez Puebla, MD, Academic & professional development, Medical College of Wisconsin

Residents

- 2015 - 2016 Michael Hartung, MD, Publication advisor, Medical College of Wisconsin, Hartung MP, Griffin MO. Rectal gastrointestinal stromal tumor. ACR Case in Point. 2017.
<https://3s.acr.org/CiP/Pages/CaseView?CaseId=Cir9PIHXEtA%3d&Archive=true>
08/01/2020 - Present Douglas Pierce, MD, Research Mentor, Medical College of Wisconsin, Douglas Pierce, MD and Michael Griffin, MD PhD, "Extrapneumatic Perineural Invasion Detected by CT at Initial Diagnosis Predicts Reduced Progression-Free Survival in Patients with Localized Pancreatic Adenocarcinoma Who Undergo Surgical Resection", Society of Abdominal Radiology 2021 Digital Annual Meeting, March 20-25, 2021. Oral Presentation; 2021 MCWAH Research & Quality Award

PROGRAMMATIC DEVELOPMENTS:

Clinical Programs

- 2015 - 2017 Magnetic Resonance-guided Focused Ultrasound Surgery (MRgFUS) for bone and soft tissue lesions, program development
2016 - Present Body MRI protocol optimization, standardization, and quality improvement across the Froedtert Health network
2017 - 2021 Adult PET/MR for pancreaticobiliary cancers, program development
2022 - 2023 CT colonography implementation and optimization

COMMUNITY SERVICE ACTIVITIES:

1998 Volunteer, Bone Marrow Transplant Clinic, University of Wisconsin Hospital & Clinics, Madison, WI
2003 Volunteer, Emergency Department, University of California-San Diego Medical Center, San Diego, CA
2005 - 2006 Volunteer, MEDiC free medical clinics, University of Wisconsin School of Medicine & Public Health, Madison, WI

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Torrealba JR, Lozano E, Griffin M, Stoker S, McDonald K, Greaser M, Wolff MR. Maximal ATPase activity and calcium sensitivity of reconstituted myofilaments are unaltered by the fetal troponin T re-expressed during human heart failure. *J Mol Cell Cardiol.* 2002 Jul;34(7):797-805.
2. Villarreal FJ, Griffin M, Omens J, Dillmann W, Nguyen J, Covell J. Early short-term treatment with doxycycline modulates postinfarction left ventricular remodeling. *Circulation.* 2003 Sep 23;108(12):1487-92.
3. Griffin MO, Jinno M, Miles LA, Villarreal FJ. Reduction of myocardial infarct size by doxycycline: a role for plasmin inhibition. *Mol Cell Biochem.* 2005 Feb;270(1-2):1-11.
4. Puerta DT, Griffin MO, Lewis JA, Romero-Perez D, Garcia R, Villarreal FJ, Cohen SM. Heterocyclic zinc-binding groups for use in next-generation matrix metalloproteinase inhibitors: potency, toxicity, and reactivity. *J Biol Inorg Chem.* 2006 Mar;11(2):131-8.
5. Hacker TA, Griffin MO, Guttormsen B, Stoker S, Wolff MR. Platelet-derived growth factor receptor antagonist STI571 (imatinib mesylate) inhibits human vascular smooth muscle proliferation and migration in vitro but not in vivo. *J Invasive Cardiol.* 2007 Jun;19(6):269-74.
6. Romero-Perez D, Fricovsky E, Yamasaki KG, Griffin M, Barraza-Hidalgo M, Dillmann W, Villarreal F. Cardiac uptake of minocycline and mechanisms for in vivo cardioprotection. *J Am Coll Cardiol.* 2008 Sep 23;52(13):1086-94. PMID: PMC2572824
7. Griffin MO, Ceballos G, Villarreal FJ. Tetracycline compounds with non-antimicrobial organ protective properties: possible mechanisms of action. *Pharmacol Res.* 2011 Feb;63(2):102-7. PMID: PMC3031662
8. Bhalla M, Aldakkak M, Kulkarni NM, O'Connor SD, Griffin MO Jr, Christians KK, Evans DB, Tsai S, Tolat PP. Characterizing indeterminate liver lesions in patients with localized pancreatic cancer at the time of diagnosis. *Abdom Radiol (NY).* 2018 Feb;43(2):351-363.
9. Chatzizacharias NA, Tsai S, Griffin M, Tolat P, Ritch P, George B, Barnes C, Aldakkak M, Khan AH, Hall W, Erickson B, Evans DB, Christians KK. Locally advanced pancreas cancer: Staging and goals of therapy. *Surgery.* 2018 May;163(5):1053-1062.
10. Chavez MI, Tsai S, Clarke CN, Aldakkak M, Griffin MO, Khan AH, Ritch PS, Erickson BA, Evans DB, Christians KK. Distal splenorenal and mesocaval shunting at the time of pancreatectomy. *Surgery.* 2019 Feb;165(2):298-306.
11. McGarry SD, Bukowy JD, Iczkowski KA, Unteriner JG, Duvnjak P, Lowman AK, Jacobsohn K, Hohenwarter M, Griffin MO, Barrington AW, Foss HE, Keuter T, Hurrell SL, See WA, Nevalainen MT, Banerjee A, LaViolette PS. Gleason Probability Maps: A Radiomics Tool for Mapping Prostate Cancer Likelihood in MRI Space. *Tomography.* 2019 Mar;5(1):127-134. PMID: PMC6403022
12. McGarry SD, Bukowy JD, Iczkowski KA, Lowman AK, Brehler M, Bobholz S, Nencka A, Barrington A, Jacobsohn K, Unteriner J, Duvnjak P, Griffin M, Hohenwarter M, Keuter T, Huang W, Antic T, Paner G, Palangmonthip W, Banerjee A, LaViolette PS. Radio-pathomic mapping model generated using annotations from five pathologists reliably distinguishes high-grade prostate cancer. *J Med Imaging (Bellingham).* 2020 Sep;7(5):054501. PMID: PMC7479263
13. Krepline AN, Geurts JL, Akinola I, Christians KK, Clarke CN, George B, Ritch PS, Khan AH, Hall WA, Erickson BA, Griffin MO, Evans DB, Tsai S. Detection of germline variants using expanded multigene panels in patients with localized pancreatic cancer. *HPB (Oxford).* 2020 Dec;22(12):1745-1752.
14. Tsai S, George B, Wittmann D, Ritch PS, Krepline AN, Aldakkak M, Barnes CA, Christians KK, Dua K, Griffin M, Hagen C, Hall WA, Erickson BA, Evans DB. Importance of Normalization of CA19-9 Levels Following Neoadjuvant Therapy in Patients With Localized Pancreatic Cancer. *Ann Surg.* 2020 Apr;271(4):740-747.
15. Krepline AN, Geurts JL, George B, Kamgar M, Madhavan S, Erickson BA, Hall WA, Griffin MO, Evans DB, Tsai S, Kim RY. Cost-effectiveness analysis of universal germline testing for patients with pancreatic cancer. *Surgery.* 2021 Mar;169(3):629-635.

16. Jain PV, Griffin M, Hunt B, Ward E, Tsai S, Doucette S. Undifferentiated carcinoma with osteoclast-like giant cells: A pathologic-radiologic correlation of a rare histologic subtype of pancreatic ductal adenocarcinoma. *Ann Diagn Pathol.* 2022 Apr;57:151884.
17. Fair E, Profio M, Kulkarni N, Laviolette PS, Barnes B, Bobholz S, Levenhagen M, Ausman R, Griffin MO, Duvnjak P, Zorn AP, Foley WD. Image Quality Evaluation in Dual-Energy CT of the Chest, Abdomen, and Pelvis in Obese Patients With Deep Learning Image Reconstruction. *J Comput Assist Tomogr.* 2022 Jul-Aug 01;46(4):604-611.
18. McGarry SD, Brehler M, Bukowy JD, Lowman AK, Bobholz SA, Duenweg SR, Banerjee A, Hurrell SL, Malyarenko D, Chenevert TL, Cao Y, Li Y, You D, Fedorov A, Bell LC, Quarles CC, Prah MA, Schmainda KM, Taouli B, LoCastro E, Mazaheri Y, Shukla-Dave A, Yankeelov TE, Hormuth DA 2nd, Madhuranthakam AJ, Hulsey K, Li K, Huang W, Huang W, Muzi M, Jacobs MA, Solaiyappan M, Hectors S, Antic T, Paner GP, Palangmonthip W, Jacobsohn K, Hohenwarter M, Duvnjak P, Griffin M, See W, Nevalainen MT, Iczkowski KA, LaViolette PS. Multi-Site Concordance of Diffusion-Weighted Imaging Quantification for Assessing Prostate Cancer Aggressiveness. *J Magn Reson Imaging.* 2022 Jun;55(6):1745-1758. PMID: PMC9095769

Books, Chapters, and Reviews

1. Griffin M, Grist TM, François CJ. Dynamic four-dimensional MR angiography of the chest and abdomen. *Magn Reson Imaging Clin N Am.* 2009 Feb;17(1):77-90.
2. Griffin MO, Fricovsky E, Ceballos G, Villarreal F. Tetracyclines: a pleiotropic family of compounds with promising therapeutic properties. Review of the literature. *Am J Physiol Cell Physiol.* 2010 Sep;299(3):C539-48. PMID: PMC2944325
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