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Business Address:

Department of Radiology
The University of Vermont Medical Center
111 Colchester Avenue
Burlington, VT 05401
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Current Position:

Attending Radiologist Jul 1991 – Present
Section of Interventional Radiology
Department of Radiology
University of Vermont Medical Center
(Formerly Medical Center Hospital of Vermont)
(Formerly Fletcher Allen Health Care)

Attending Radiologist Sep 2023 - Present
Section of Interventional Radiology
Department of Radiology
University of Utah School of Medicine

Academic Appointments:

Adjunct Professor of Radiology Sep 2023 – Present
University of Utah School of Medicine

Professor Emeritus July 2024 - Present
Larner College of Medicine at the University of Vermont

Professor of Surgery Jul 2016 – Jun 2024
Larner College of Medicine at the University of Vermont

Professor of Radiology Jul 2006 – Jun 2024
Larner College of Medicine at the University of Vermont

Associate Professor of Radiology Jul 1999 – Jun 2006
Larner College of Medicine at the University of Vermont

Honorary Clinical Assistant in Radiology Jan 1998 – Dec 1999

Guy's and St. Thomas' Hospital Trust, United Kingdom

Assistant Professor of Radiology Jul 1991 – Jun 1999
Larner College of Medicine at the University of Vermont

Clinical Assistant Jul 1990 – Jun 1991
Harvard Medical School

Clinical Assistant Jul 1986 – Jun 1990
Ohio State University School of Medicine

Education:

Vascular and Interventional Radiology Fellowship Jul 1990 – Jun 1991
Massachusetts General Hospital, Boston, Massachusetts

M.S. Ohio State University Graduate School Dec 1990
Columbus, Ohio

Chief Resident, Diagnostic Radiology, Ohio State University Hospitals Jul 1988 – Jun 1990
Columbus, Ohio

Resident, Diagnostic Radiology, Ohio State University Hospitals Jul 1986 – Jun 1990
Columbus, Ohio

Intern in Medicine, Cleveland Metropolitan General Hospital Jul 1985 – Jun 1986
Cleveland, Ohio

M.D. Case Western Reserve University School of Medicine May 1985
Cleveland, Ohio

B.A. Ohio Wesleyan University Jun 1981
Delaware, Ohio

Other Professional Positions and Employment:

Medical Staff Sep 2023 – Present
University of Utah Hospitals
University of Utah School of Medicine

Medical Staff Jul 1991 - Present
University of Vermont Medical Center
(Formerly Medical Center Hospital of Vermont)
(Formerly Fletcher Allen Health Care)

Medical Staff Champlain Valley Physicians Hospital University of Vermont Health Network	Jan 2020 - Present
Director, Division of Vascular and Interventional Radiology University of Vermont Medical Center (Formerly Fletcher Allen Health Care)	Jul 2006 – Jun 2010
Consultant Staff Gifford Memorial Hospital Randolph, VT	Jan 2007 – Dec 2010
Courtesy Staff Radiologist Rutland Regional Medical Center Rutland, VT	Jan 1995 – Dec 2004

Post Graduate Management/Leadership and Professional Training:

Horty Springer Leadership Training Course Las Vegas, Nevada	Apr 10 – 12, 2008
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Certification and Licensure:

Advanced Cardiac Life Support (ACLS)	Aug 2023 – Present
Basic Life Support (BLS)	Aug 2023 – Present
Utah Medical License (Physician & Surgeon #13546003-1205) (Physician & Surgeon CS Schedule 2-5 #13546003-8905)	Aug 2023 – Jan 2026
Utah DEA (#*****086) Schedules 2-5	Aug 2023 – Jan 2026
New York DEA (#*****259)	Dec 2024 – Jan 2025
American Board of Radiology – Interventional Radiology/ Diagnostic Radiology (#34386)	Oct 2017 – Present
Nevada Medical License (#13411 – Inactive)	2009
New York Medical License (#246680)	2007 – Present
New Hampshire State Board of Medicine (#13633 – Inactive)	2007

The Medical Board of California (#G87223)	2004 – Present
Certificate of Registration as a Visiting Overseas Doctor (Registration #4460912) General Medical Council, United Kingdom	1998
National Provider Identifier (NPI) (1528089166) Centers for Medicare and Medicaid Services	1996 – Present
American Board of Radiology - Certificate of Added Qualification In Vascular and Interventional Radiology (#34386)	1995 – 2018
State of Vermont Board of Medical Practice (#042-0008332)	1991 – Present
Vermont DEA (*****885) Schedules 2-5	Dec 2023 – Jan 2027
American Board of Radiology - Diagnostic Radiology (#34386)	Jun 1990 – Sep 1995
Massachusetts Board of Registration in Medicine (#72682 – inactive)	1990
State Medical Board of Ohio (#53939 – inactive)	1985 – 1990

Professional Memberships & Activities (Active and Inactive):

American College of Radiology

Vermont Radiological Society

Radiological Society of North America

American Roentgen Ray Society

American Heart Association Council on Cardiovascular Radiology

Society of Interventional Radiology

International Society for Endovascular Surgery

New England Society of Cardiovascular and Interventional Radiology

Vermont Medical Society

International Society of Peritoneal Dialysis

Honors and Awards:

Division of the Year Interventional Radiology, Department of Radiology Larner College of Medicine at the University of Vermont	2016
“Master Teacher,” Teaching Academy Larner College of Medicine at the University of Vermont	2016 - Present
Division of the Year Interventional Radiology, Department of Radiology Larner College of Medicine at the University of Vermont	2013
Certificate of Merit Award Educational Exhibit. Abstract # LL-VIE4507 97th Scientific Assembly and Annual Meeting of the Radiological Society of North America.	2012
Becoming One Team Award of the University of Vermont Medical Center for the IVC Filter Multidisciplinary Management Team	2010
Fellow, American College of Radiology	2005
Fellow, Society of Interventional Radiology	2001
Visiting Professor, Kuwait University Health Sciences Center and Faculty of Medicine, Department of Radiology	Feb 21 – 27, 1999
Visiting Professor, Ohio State University Department of Radiology	Nov 20, 1992
Slocum Award for the Sciences, Ohio Wesleyan University Delaware, Ohio	1981
Phi Beta Kappa, Ohio Wesleyan University Delaware, Ohio	1980

Sabbaticals:

Vascular and Interventional Radiology Guy's Hospital, Department of Radiology London, United Kingdom. Sponsor: Professor A. Adam MBBS (Hons) FRCP FRCR	Jan 1998 – Mar 1998
Vascular and Interventional Radiology University of California, San Diego Medical Center	Jan 2005 – Mar 2005

San Diego, California.
Sponsor: Ann Roberts, MD

**University of Vermont and
Larner College of Medicine at the University of Vermont
(UVM COM) Committees and Administrative Service:**

Clinical Devices and Instruments Course – BME3810 Department of Biomedical Engineering University of Vermont	2022 - 2023
Department of Radiology Chair Search Committee	2016 – 2017
UVM COM Curriculum Committee	2013 – 2016
UVM COM Specialty Panel	Nov 11, 2012
New Curriculum, Nephrology section	Nov 2004
Fellowship Program Director, Vascular and Interventional Radiology	1999 – 2004
Residency Program Director, Diagnostic Radiology	1992 – 1996

**The University of Vermont Medical Center (UVMCMC) and the
University of Vermont Medical Group (UVMMG)
Department/Hospital Committees
and Administrative Service:**

Search Committee, Department of Pathology Cytopathology Staff Position	2023-2024
Compensation Plan Sub-committee - University of Vermont Medical Group	2018 - 2019
Search Committee, Division of Vascular Surgery Staff position	2018 - 2020
UVMCMC Medical Staff Quality Committee	2017 - 2022
Search Committee, Division of Gastroenterology Staff position	2017 - 2022
Vice-Chair of Quality, Department of Radiology	2017 – 2022
Quality Committee, Department of Radiology	2017 – 2022
Promotion Committee, Department of Radiology	2016 - 2024

Finance Committee – University of Vermont Medical Group	2016 – 2022
Radiology Advancement Committee	2015 - 2024
Cardiovascular Services, Interventional Radiology Representative	2014 – 2024
Radiology Finance Committee	2018 - 2022
Radiology Visiting Professor Committee	2010 - 2020
Radiology Residency Core Curriculum Committee	2010 - 2016
Immediate Past President of the Medical Staff	2009 – 2010
President of the Medical Staff	2008 – 2009
Medical Staff Finance Committee – ex-officio member	2008 – 2009
Board of Trustees – ex-officio member	2008 – 2009
Patient Safety Committee – ex-officio member	2008 – 2009
Quality Assurance and Improvement Committee - ex-officio member	2008 – 2009
Bylaws Committee – ex-officio member	2008 – 2009
Vice President and President – Elect of the Medical Staff	2007 – 2008
Value Analysis Committee – Perioperative Services	2005 – 2010
Medical Staff Executive Committee	2004 – 2009
Credentials Committee	2003 – 2016
Graduate Medical Education Committee	1999 – 2004
Fellowship Program Director, Vascular and Interventional Radiology	1999 – 2004
Compliance Committee	1998 – 2000
Residency Program Director, Diagnostic Radiology	1992 – 1996
Graduate Medical Education Committee	1992 – 1996

**Regional Committees and
Administrative Service:**

Vermont ALS Center, Sponsored by the National ALS Association	2006 – Present
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Interventional Radiology Representative	
Radiology Representative, Physician Policy Committee Vermont Medical Society	1999 – 2000
President, Vermont Radiological Society Vermont State Chapter of the American College of Radiology	1998 – 2000
Vice President / President Elect, Vermont Radiological Society Vermont State Chapter of the American College of Radiology	1996 – 1998
Secretary/Treasurer, Vermont Radiological Society Vermont State Chapter of the American College of Radiology	1994 – 1996

**National Committees and
Administrative Service:**

Collaborative Committee (SIR) ACR-SIR Practice Parameter for the Performance of Angiography, Angioplasty, and Stenting for the Diagnosis and Treatment of Renal Artery Stenosis in Adults American College of Radiology and Society of Interventional Radiology	2019 - 2020
Standards of Practice Committee	2013 – 2019
Guidelines and Statements Committee	2020 - 2021
Standards of Practice Steering Committee	2019 - 2021
Sub-committee on Procedure Complications	2014 - 2016
Standards Work Group on Cardiac Imaging, Women’s Health And New Technologies	2018 - 2021
Standards Interventional Oncology Work Group	2018 - 2021
Standards Renal Work Group	2018 - 2021
Society of Interventional Radiology	
Society of Interventional Radiology Annual Scientific Meetings SIR2012; San Francisco, CA Faculty - CVC Insertion - Clinical Associates Hands-On Workshop	Mar 24, 2012
Research and Reports in Focused Ultrasound Editorial Board Member	2012 – 2016
The Scientific World Journal Editorial Board Member	2011 – 2017
Member, Data Monitoring and Safety Committee RETRIEVE I and RETRIEVE II Studies Crux Biomedical, Inc.	2008 – 2011
Society of Interventional Radiology 29 th , 30 th , 31 st Annual Scientific Meetings Faculty and Workshop Coordinator.	2004 – 2006

Inferior Vena Cava Filtration Hands On Workshops.
Phoenix, AZ, New Orleans, LA, and Toronto, Canada

Society of Interventional Radiology 27 th and 28 th Annual Scientific Meetings Faculty. Inferior Vena Cava Filtration Hands On Workshop Baltimore, MD and Salt Lake City, UT	2002 – 2003
SUNY Downstate Medical Center – Brooklyn Endovascular Course Faculty. Brooklyn, NY	1995-1996
American Association of Academic Chief Residents in Radiology Steering Committee Member and Film Panel Moderator	1988 – 1989

Peer-Reviewed Publications:

Wu R, Kokabi N, Adler JM, Bhave AD, **Morris CS**, Saad WE, Majdalany DS, Majdalany BS. Paradoxical Cerebral Embolization during Transjugular Intrahepatic Portosystemic Shunt Creation and Variceal Sclerotherapy. *Semin Intervent Radiol.* 2024 Jul 10;41(2):220-225. doi: 10.1055/s-0044-1786539. PMID: 38993595; PMCID: PMC11236452.

Zettler E, **Morris CS**, Bhave, AD, Scriver GM, Shields JT, Majdalany BS. Foamed sotradecol embolotherapy of vascular malformations: clinical outcomes in a single center. Works in progress.

Warfield A, **Morris CS**, Bhave, AD, Scriver GM, Shields JT, Majdalany BS. Post-CORAL renal artery stenting: retrospective analysis of a 20-year single center cohort. Works in progress.

Sung BR, Johnston G, **Morris CS**, Sutton DE, Scriver GM, Bhave AD, Shields JT, Chopra P, Majdalany BS. Infection control standards of central venous catheter placement: a 15-year study on infection rate improvement. Works in progress.

Scriver GM, **Morris CS**, Bhave, AD, Shields JT, Majdalany BS. Percutaneous extraction of tricuspid valve vegetations: clinical outcomes at a single center. Works in progress.

Majdalany BS, Scriver GM, **Morris CS**, Bhave, AD, Shields JT. Portal vein embolization prior to resection of liver tumors: clinical outcomes and retrospective analysis of a 20-year single center cohort. Works in progress.

Johnston G, Jin G, Majdalany BS, **Morris CS**. Percutaneous image-guided bone graft versus magnesium-based bone void filler administration as adjunctive sclerotherapy treatment of bone cysts. Works in progress.

Bent E, Bleau JI, Bhave AD, **Morris CS**, Scriver GM, Shields JT, Majdalany BS. The 100 X-iest IRs: a social media analysis of interventional radiologists. Submitted to *JVIR* 2024.

Clarke C, **Morris CS**. Aortocaval fistula. American College of Radiology Case in Point. ID: S13451 2024 Aug 16; Available at <https://cortex.acr.org/CiP/Pages/CaseView?Info=6Lu5fy1UReHGUYzTStDqIWztFcWUtQfI5y4DfU1iYXo%3d>.

Smith ZT, Haines J, Calkins E, Fox J, Scriver G, **Morris CS**. Transcatheter coil embolization of a complex pulmonary artery pseudoaneurysm with thyrocervical trunk-pulmonary arterial fistulization in a patient with cystic fibrosis and massive hemoptysis. *Radiol Case Rep*. 2022; 17:1836-42. <https://doi.org/10.1016/j.radcr.2022.03.024>. PMID: 35401900

Emelianova D, Prikis M, **Morris CS**, Gibson PC, Solomon R, Scriver G, Smith ZT, Bhava A, Shields J, DeSarno M, Kumar A. The evolution of performing a kidney biopsy: a single center experience comparing native and transplant kidney biopsies performed by interventional radiologists and nephrologists. *BMC Nephrol*. 2022 Jun 25;23(1):226. doi: 10.1186/s12882-022-02860-1. PMID: 35752759; PMCID: PMC9233823.

Johnston G, Jin G, **Morris CS**. Image-guided tunneled peritoneal dialysis catheter placement. *Cardiovasc Diagn Ther*. 2021; OnlineFirst <https://dx.doi.org/10.21037/cdt-21-579>; doi:10.21037/cdt-21-579.

Johnston G, Berg A, **Morris CS**. CT-guided percutaneous bilateral sacroiliac joint arthroplasty. *Radiol Case Rep*. 2021; 16:2266-73. PMID: 34178201

Michell H, Chopra P, Parkinson W, Bhava A, Ali N, Parkinson W, Shields J, Scriver G, **Morris CS**. Formation of spontaneous air cyst and ensuing hemopneumothorax during CT angiography in a patient with Ehlers-Danlos syndrome. *BJR/Case Rep*. 29 Jul 2020; OnlineFirst <https://doi.org/10.1259/bjrcr.20200082> PMID: 33299598

Reis SP, Brejt SZ, Kaufman C, **Morris CS**, Redstone EA, Richard HM. ACR-SIR practice parameter for the performance of angiography, angioplasty, and stenting for the diagnosis and treatment of renal artery stenosis in adults. 2019; Available at <https://www.acr.org/-/media/ACR/Files/Practice-Parameters/RenalArteryStenosis.pdf> Accessed November 30, 2020.

Morris CS, Johnston GP, Desarno MJ, Badireddy AR: In vitro analysis and cadaver feasibility study of a peritoneal dialysis catheter tungsten weighted anchor. *J Exp Nephrol*. 2020; 1(1):25-37.

Michell H, Johnston G, Nezami N, Morris CS: Iatrogenic abdominal aortic pseudoaneurysm repaired by percutaneous image-guided translumbar embolization. *Journal of Vascular Surgery Cases and Innovative Techniques*. 2020 doi: <https://doi.org/10.1016/j.jvscit.2020.11.002>. PMID: 33665529

Michell H, Nezami N, **Morris CS**, Hong K: Dual-chambered venous access port as alternative access for extracorporeal apheresis therapy. *Journal of Vascular Access*. 15 Jun 2020; OnlineFirst. <https://doi.org/10.1177/1129729820932425>. PMID: 32538271

Michell H, Johnston GP, **Morris CS**: Uncomplicated percutaneous IVC filter removal following implantation time of 6033 days. *Radiol Case Rep.* 2020 May 21;15(7):1078-1082. doi: 10.1016/j.radcr.2020.05.008. eCollection 2020 Jul. PMID: 32461780.

Michell H, Nezami N, Dewald A, Bhavne AD, **Morris CS**, Akselrod D: Median arcuate ligament syndrome with celiac artery aneurysm and dissection. *Vascular and Endovascular Surgery.* 2020; Online ahead of print. PMID: 32436479. DOI: 10.1177/1538574420927866.

Chopra P, Cleveland CH, Johnson M, Michell H, Holloch P, Irwin B, Scriver GM, **Morris CS**: Creation of a Neoinfundibulum and Serial Balloon Dilations for the Treatment of the Excluded Calyx: Two Cases Describing a Novel Technique. *Radiol Case Rep.* 2020 Jun 1;15(8):1121-1127. PMID: 32509047 doi: 10.1016/j.radcr.2020.04.038. eCollection 2020 Aug

Morris CS: Interventional radiology placement and management of tunneled peritoneal dialysis catheters: a pictorial review. *Radiographics* 40:1789-1806; 2020. <https://doi.org/10.1148/rg.2020200063> PMID: 33001792

Michell H, Johnston GP, Chopra P, Scriver GM, Bhavne AD, Shields JT, **Morris CS**: Cholecystostomy as an exclusive access to remove cystic, common hepatic, and common bile duct stones. *Am J Roentgenol* 1-5: 10.2214/AJR.19.22469 OnlineFirst 08 Sep 2020, :1-5. DOI: [10.2214/ajr.19.22469](https://doi.org/10.2214/ajr.19.22469) PMID: 32901566

Morris CS, Baerlocher MO, Dariushnia SR, McLoney E, Abi-Jaoudeh N, Nelson K, Cura M, Abdel-Aal AK, Mitchell JW, Madassery S, Partovi S, McClure TD, Tam AL, Patel S: Society of interventional radiology position statement on the role of percutaneous ablation in renal cell carcinoma. *J Vasc Interv Radiol* 31(2):189-94; 2020. PMID: 31917025. doi: 10.1016/j.jvir.2019.11.001. Epub 2020 Jan 6.

Hahn S, Perry M, **Morris CS**, Wshah S, Bertges DJ: Machine deep learning accurately detects endoleak after endovascular abdominal aortic aneurysm repair. *J Vasc Surg: Vascular Science*; <https://doi.org/10.1016/j.jvssci.2019.12.003>; 2020

Morris CS: Invited Commentary on “CT for Evaluation of Acute Gastrointestinal Bleeding.” *RG-18-0138.R1. Radiographics* 38(4):1108-10; 2018.

Cisu T, Cleveland C, **Morris CS**, Plante M: Creation of a duplicated collecting system ureteric neoanastomosis in a transplanted cadaveric kidney with the use of a radiofrequency guide wire. *Urol Case Rep* 16:38-40; 2017.

Khalilzadeh O, Baerlocher MO, Shyn PB, Connolly BL, Devane AM, **Morris CS**, Cohen AM, Midia M, Thornton RH, Gross K, Caplin DM, Aeron G, Misra S, Patel NH, Walker TG, Martinez-Salazar G, Silberzweig JE, Nikolic B: Proposal of a New Adverse Event Classification by the Society of Interventional Radiology Standards of Practice Committee. *J Vasc Interv Radiol* 28:1432-7; 2017.

Vincent JK, Stark C, Bhavne AD, Shields JT, **Morris CS**: Hepatic venous pressure gradient as a predictor of advanced hepatic fibrosis: A retrospective review. *Abdom Radiol* doi: 10.1007/s00261-017-1171-y. [Epub ahead of print]; 42(11):2609-2614; 2017.

Ford C, Lange B, **Morris CS**: Transcatheter Embolization of Abdominal Aortic Endograft Endoleaks Using Onyx and Coils: Experience at a Regional Tertiary Care Referral Center. *Journal of Vascular Diagnostics and Interventions* 5:15-9; 2017.

Winters J, **Morris CS**, Holmes C, et al.: A multidisciplinary quality improvement program increases inferior vena cava filter retrieval rates. *Vasc Med*. 22(1):51-6; 2017.

Stark C, Olsen D, **Morris CS**, Bertges D, Najarian K. Intravascular papillary endothelial hyperplasia (Masson's Tumor) of the radial artery: a case report. *Cardiovas Intervent Radiol* 2016; 39(11):1658-61.

Johnson J, Kiankhooy A, Bertges D, **Morris CS**: Image guided treatment of adventitial cystic disease of the femoral vein. *Cardiovascular and Interventional Radiology* 32:812-6; 2009.

Morris CS: Current status of renal arterial endovascular interventions. Invited Review. *Current Hypertension Reviews* 5:321-332; 2009.

Johnson J, Saemi A, **Morris CS**: Brief report: Transcatheter vasodilatation following thrombolytics for the treatment of frostbite. *Cardiovascular and Interventional Radiology* 32:1280-3; 2009.

Morris CS, Cushman M: Perforation of the inferior vena cava by a Greenfield filter. *Journal of Thrombosis and Haemostasis* 6:1835-1836; 2008.

Morris CS: Update on uterine artery embolization for symptomatic fibroid disease (uterine artery embolization). *Abdominal Imaging*. 33:104-111; 2008. Published online February 7, 2007.

Morris CS, Rogers FB, Najarian KE, Bhave AD, Shackford SR: Current trends in vena caval filtration with the introduction of a retrievable filter at a level I trauma center. *J Trauma* 57:32-36; 2004.

Schultze D, **Morris CS**, Bhave AD, Worgan BA, Najarian KE: Radiofrequency Ablation of Renal Transitional Cell Carcinoma with Protective Cold Saline Infusion. *J Vasc Interv Radiol* 14:489-492; 2003.

Morris CS: Role of vascular and interventional radiology in the diagnosis and management of acute trauma patients. *J Intensive Care Med* 17:112-126; 2002.

Morris CS: Vascular and solid organ trauma - *Interventional Radiology*. *emedicine.com*; accessible at <http://www.emedicine.com/radio/topic881.htm>; 2001.

Morris CS, Bonnevie G, Najarian KE: Nonsurgical treatment of acute iatrogenic renal artery injuries occurring after renal artery angioplasty and stenting. *AJR. Am J Roentgenol* 177:1-5; 2001.

Morris CS, Nelson EN, Najarian KE, D'Agostino R: Case report: Treatment of acute aortorenal bypass graft thrombosis using primary stenting and adjunctive thrombolysis. *J Vasc Interv Radiol* 9:961-963, 1998.

Morris CS, Najarian KE: Transjugular intrahepatic portosystemic shunt for bleeding stomal varices associated with chronic portal vein occlusion: long-term angiographic, hemodynamic, and clinical follow-up. *Am J Gastroenterol* 95(10):2966-8, 2000.

Rogers FB, Strindberg G, Shackford SR, Osler TM, **Morris CS**, Ricci MA, Najarian KE, D'Agostino R, Pilcher DB: Five-year follow-up of prophylactic vena cava filters in high-risk trauma patients. *Arch Surg* 133:406-411, 1998.

Chapdelaine JP, Najarian KE, D'Agostino R, **Morris CS**: Stent placement in a carotid artery bypass graft in a patient with Takayasu arteritis. *J Vasc Interv Radiol* 9:846-848, 1998.

Najarian KE, **Morris CS**: Transcatheter arterial embolization in the chest (AVMs, bronchial artery embolization). *Journal of Thoracic Imaging* 13:93-104, 1998.

Ahmad A, Najarian KE, **Morris CS**: Case Report. Percutaneous treatment of a collapsed stent-graft. *J Vasc Interv Radiol* 8:637-639, 1997.

Rogers FB, Shackford SR, Wilson J, Ricci MA, **Morris CS**: Prophylactic vena cava filter insertion in severely injured trauma patients: Indications and preliminary results. *J Trauma* 35:637-641, 1993.

Morris CS: Master's Thesis: Microcomputer assisted tutorial in neuroradiology. The Ohio State University Press. Sept 1990.

Morris CS: Roentgenologic clinical pathologic case: Paget's disease with headache and disorientation. *Investigative Radiology* 25:1279-1284, Nov 1990.

Morris CS, Chirico PA: Case form A³CR²: Comatose young woman with respiratory distress and abdominal mass. *Investigative Radiology* 25:1159-1161, Oct 1990.

Morris CS, Lough LR, Weinberger E: Case from A³CR²: Infant with lethargy, failure to thrive, and abnormal blood smear. *Investigative Radiology* 25:1054-1057, Sept 1990.

Morris CS, Lloyd T: Case report: Traumatic scapulothoracic dissociation in a child. *Skeletal Radiology* 19:607-608, Sept 1990.

Morris CS, Beltran JL: Giant synovial cyst associated with a pseudarthrosis of a rib: MR appearance. *AJR. Am J Roentgenol* 155:337-338, Aug 1990.

Chandnani VP, Beltran J, **Morris CS**, et al.: Acute experimental osteomyelitis and abscesses: detection with MR imaging versus CT. *Radiology* 174:233-236, 1990.

McGhee RB, Bennett WF, **Morris CS**, Witanowski LS: Cost-effective development of a computer-assisted instruction system. *AJR. Am J Roentgenol* 153:877-879, Oct 1989.

Peer-Reviewed Collaborative Publications

Dariushnia SR(1), Haskal ZJ(2), Midia M(3), Martin LG(4), Walker TG(5), Kalva SP(6), Clark TW(7), Ganguli S(8), Krishnamurthy V(9), Saiter CK(10), NikolicB(11); Society of Interventional Radiology Standards of Practice Committee. Collaborators: Aeron G, Angle JF, Annamalai G, Arellano R, Athreya S, Baerlocher MO, Balter S, Baskin K, Brennan I, Brook O, Brown DB, Caplin D, Censullo M, Chamsuddin A, Chao C, Dagli MS, Davidson J, Devane A, Eyheremendy E, Fintelmann F, Gemmete J, Gendel V, Gould J, Graham T, Hancock J, Hogan M, Hohenwalter E, d'Othee BJ, Khan A, Kim HS, Kohi MP, Lee C, Mani NB, Martinez-Salazar G, McGraw JK, Meyers P, Miller DL, Mitchell JW, **Morris C**, Patel I, Pillai A, Pua U, Redstone E, Roberts AC, Sabharwal T, Sapoval M, Schiro BJ, Shah S, Shyn P, Padia SA, Siddiqi N, Silberzweig JE, Stokes L, Suri R, Swan T, Turba U, Venkatesan A, Weinstein JL, Wojak JC. "Quality Improvement Guidelines for Transjugular Intrahepatic Portosystemic Shunts." *J Vasc Interv Radiol*. 2016 Jan;27(1):1-7. doi: 10.1016/j.jvir.2015.09.018. Epub 2015 Nov 21. PMID: 26614596

Pabon-Ramos WM(1), Dariushnia SR(2), Walker TG(3), d'Othée BJ(4), Ganguli S(5), Midia M(6), Siddiqi N(7), Kalva SP(8), Nikolic B(9); Society of Interventional Radiology Standards of Practice Committee. Collaborators: Aeron G, Angle JF, Annamalai G, Arellano R, Athreya S, Baerlocher M, Balter S, Baskin K, Brennan I, Brook O, Brown D, Caplin D, Censullo M, Chamsuddin A, Chao C, Dagli MS, Davidson J, Devane A, Eyheremendy E, Fintelmann F, Gemmete J, Gendel V, Gould J, Graham T, Hancock J, Hogan M, Hohenwalter E, d'Othee BJ, Khan A, Kim HK, Kohi MP, Krishnamurthy V, Lee C, Mani NB, Martinez-Salazar G, McGraw JK, Meyers P, Miller D, Mitchell JW, **Morris C**, Patel I, Pillai A, Pua U, Redstone E, Roberts A, Sabharwal T, Sapoval M, Schiro BJ, Shah S, Shyn P, Siddharth P, Siddiqi N, Silberzweig JE, Stokes L, Suri R, Swan T, Turba U, Venkatesan A, Weinstein JL, Wojak J. "Quality Improvement Guidelines for Percutaneous Nephrostomy." *J Vasc Interv Radiol*. 2016 Mar;27(3):410-4. doi: 10.1016/j.jvir.2015.11.045. Epub 2016 Jan 21. PMID: 26803576

Invited Author for Chapter:

Morris CS and Rimmer JM: Diagnostic and therapeutic renal angiography. In: Schrier RW (ed.) *Diseases of the Kidney and Urinary Tract* 8th ed. Philadelphia: Lippincott, Williams, and Wilkins. 2006.

Morris CS and Rimmer JM: Diagnostic and therapeutic renal angiography. In: Schrier RW (ed.) *Diseases of the Kidney and Urinary Tract* 7th ed. Philadelphia: Lippincott, Williams, and Wilkins. 2001.

Morris CS and Rimmer JM: Diagnostic and therapeutic renal angiography. In: Schrier RW and Gottschalk CW (eds.) *Diseases of the Kidney* 6th ed. Boston: Little, Brown and Co. 1997

**National/International
Abstract Poster/Electronic Exhibit
Presentations:**

Sung BR, Johnston G, **Morris CS**, Sutton DE, Scriver GM, Bhave AD, Shields JT, Chopra P, Majdalany BS. Infection control standards of central venous catheter placement: a 15-year study on infection rate improvement. Submitted to SIR 2025.

Calkins E, Bogart A, Dewald A, Khuong Y-L, Boyle J, Bhave A, Shields J, Scriver G, **Morris C**. Comparing patient satisfaction of telemedicine versus in-person interventional radiology clinic encounters: a single-site cross-sectional study. Presented as a scientific electronic poster (P-98) at the Cardiovascular and Interventional Radiology Society of Europe (CIRSE) Summit Annual Meeting Online; 2021 Sep; Vienna, Austria.

Pham S, Sutton DE, Chen J, Sutton H, Shields JT, **Morris CS**, Scriver GM, Bhave AD. Infection control standards of implanted chest ports. Presented as a scientific electronic poster at the International Symposium on Endovascular Therapy; 2019 Jan; Hollywood, FL.

Michell H, **Morris CS**, Hong K. To evaluate the use of a dual-chambered venous access port for extracorporeal apheresis therapy. Presented as a scientific electronic poster at the International Symposium on Endovascular Therapy; 2019 Jan; Hollywood, FL.

Michell H, Chopra P, Scriver G, Bhave A, Shields J, **Morris C**. Common Bile Duct and Cystic Stone Removal via a Cholecystoduodenostomy. Presented as a scientific electronic poster at the Yale School of Medicine 5th Annual Academic Interventional Radiology Symposium; 2018 Sep; New Haven, CT.

McGhee RB, Bennett WF, **Morris CS**, Witanowski LS. Cost-effective development of a computer-assisted instruction system. Presented as a scientific exhibit at the 37th Annual Meeting of the Association of University Radiologists; 1989 May; Seattle, WA.

McGhee RB, Bennett WF, **Morris CS**, Witanowski LS. Cost-effective development of a computer-assisted instruction system. Presented as a scientific exhibit at the 74th Scientific Assembly and Annual Meeting of the RSNA; 1988 Nov; Chicago, IL.

Chandnani VP, Beltran J, **Morris CS**, et al.: Acute experimental osteomyelitis and abscesses: detection with MR imaging versus CT. Presented as a scientific exhibit at the 74th Scientific Assembly and Annual Meeting of the RSNA; 1988 Nov; Chicago, IL.

Morris CS, LaRosa J, and VanAman ME. Technically difficult percutaneous Kimray-Greenfield filter insertions. Presented at the 48th annual meeting, Ohio State Radiological Society; 1988 May 13; Toledo, OH.

Regional Abstract

Oral Presentations:

Johnston G, Jin G, Majdalany BS, **Morris CS**. Percutaneous image-guided bone graft versus magnesium-based bone void filler administration as adjunctive sclerotherapy treatment of bone cysts. Submission number 1632899. Accepted for oral presentation at SIR 2024 Annual Scientific Meeting, March 24, 2024; Salt Lake City, UT.

Johnston G, Jin G, Berg A, Smith Z, **Morris CS**. Image guided percutaneous sclerotherapy and infusion of benign bone cysts with cadaveric bone chips and demineralized bone matrix. Accepted for Oral Presentation at the Society of Interventional Radiology 2022 Annual Scientific Meeting; June 15, 2022; Boston, MA.

Conor O'Neill, MD; Tess Aulet, MD; Sergey Kulikov, MD; Douglas Sutton, RN; **Christopher S. Morris, MD**; Joseph Shields, MD; Carlos Marroquin, MD, FACS; Anant Bhawe, MD: Interventional Strategies for Management of Hepatocellular Carcinoma at UVMMC; Presented at the Vermont Chapter of the American College of Surgeons Annual Meeting, 26 May, 2016; South Burlington, VT.

Fernandez N, Stanley AC, Healey C, Osler T, Pilcher DB, Ricci MA, Steinthorsson G, **Morris CS**, Shackford SR: Clinical outcomes of percutaneous revascularization as an isolated procedure in treating patients with limb threatening ischemia. Presented at the New England Society for Vascular Surgery 30th Anniversary Meeting; 2003 Sept 19-21; Albany, NY.

Rogers FB, Shackford SR, Osler TM, **Morris CS**, Najarian KE, D'Agostino RM, Strindberg G, Ricci, MR: Five-year follow-up of prophylactic vena cava filters in high risk trauma patients: complications and results. Presented at the New England Surgical Society Annual Meeting; 1997 Sept 20; Bolton Landing, NY.

Morris CS. Radiology of pulmonary embolism. Presented at the Edward F. Morris, M.D. Symposium, Barberton Citizens Hospital; 1988 June 18; Barberton, OH.

Regional Abstract

Poster/Electronic Exhibit

Presentations:

Zettler E, **Morris CS**, Bhawe, AD, Scriver GM, Shields JT, Majdalany BS. Foamed sotradecol embolotherapy of vascular malformations: clinical outcomes in a single center. Larner College of Medicine at the University of Vermont Symposium for Summer Research; 2024 Sep 19; Burlington, VT.

Warfield A, **Morris CS**, Bhawe, AD, Scriver GM, Shields JT, Majdalany BS. Post-CORAL renal artery stenting: retrospective analysis of a 20-year single center cohort. Larner College of

Medicine at the University of Vermont Symposium for Summer Research; 2024 Sep 19; Burlington, VT.

Pham S, Sutton DE, Chen J, Sutton H, Shields JT, **Morris CS**, Scriver GM, Bhave AD. Infection control standards of central venous catheters. 16th Annual Quality Forum. Jeffords Institute for Quality. University of Vermont Health Network; 2019 May 15; Burlington, VT.

National/International Abstract Oral or Poster Presentations

Bent E, Bleau JI, Bhave AD, **Morris CS**, Scriver GM, Shields JT, Majdalany BS. E5419. The 150 X-iest Radiologists: a social media analysis of radiology influencers. 2024 American Roentgen Ray Society (ARRS) Annual Meeting, 2024 May 5-9; Boston.

Hahn S, Wshah S, Perry M, **Morris CS**, Bertges DJ. Machine deep learning accurately detects endoleak after endovascular abdominal aortic aneurysm repair. Delivered as an oral presentation, abstract ID 606853, 2019 Vascular Annual Meeting, Society for Vascular Surgery, 2019 Jun 12-15; Washington D.C.

Hahn S, **Morris CS**, Bertges D, Wshah S. Deep learning for recognition of endoleak after endovascular abdominal aortic aneurysm repair. Delivered as an oral presentation/abstract. IEEE International Symposium on Biomedical Imaging (ISBI '19); 2019 Apr; Venice, Italy.

Khalilzadeh O, Baerlocher MO, Katsarelis D, Shyn P, Devane A, **Morris CS**, Cohen AM, Connolly B, Midia M, Thornton R, Gross K, Caplin D, Aeron G, Misra S, Patel N, Walker TG, Martinez-Salazar G, Silberzweig J, Nikolic B: Proposal of a New Adverse Event Classification by the SIR Standards of Practice Committee. Delivered as an oral presentation/abstract, 42nd Annual Meeting of the Society of Interventional Radiology; 2017 Mar 4 – 9; Washington D.C.

Love R, Scriver G, Shields JT, **Morris CS**, Bhave A. Effective implementation of fluoroscopic and angiographic dose reduction in image guided procedures. Abstract Presentation at the Annual Meeting of the Cardiovascular and Interventional Radiology Society of Europe; 2017 Sep 16-20; Copenhagen, Denmark.

Ali NS, Allison JB, **Morris CS**, D'Agostino RM: Clinical vignette: Spontaneous duodenal hematoma in an anticoagulated patient. Abstract presentation at the American Medical Association Research Symposium; 2016 Nov 11; Orlando, FL

Qian J, Shields JT, Allison JB, Bhave AD, **Morris CS**: Fluoroscopic Time Requirement as Predication of Successful IVC Filter Retrieval. Oral Presentation at the 102nd Scientific Assembly and Annual Meeting of the Radiological Society of North America, McCormick Place; 2016 Nov 27 – Dec 2; Chicago, IL.

Vincent JK, Stark C, **Morris CS**: Hepatic venous pressure gradient as a predictor of advanced hepatic fibrosis: A retrospective review. Scientific Poster Presentation at the American Roentgen Ray Society Annual Meeting; 2015 Apr 19 – 24; Toronto, Canada.

Winters J, **Morris CS**, Holmes C, et al.: A multidisciplinary quality improvement program increases inferior vena cava filter retrieval rates. Presented as a Scientific Poster (#162) at the Thrombosis and Hemostasis Summit of North America (THSNA); 2014 Apr 11; Chicago, IL.

Baumann CJ, **Morris CS**, Bhave AD, Najarian, KE: Compression of the anomalous median artery of the wrist. Abstract #358. Presented as a Scientific Poster at the 39th Annual Meeting of the Society of Interventional Radiology; 2014 Mar 22 – 27; San Diego, CA.

Lange B, **Morris CS**, Najarian KE: Transcatheter Embolization of Abdominal Aortic Endograft Endoleaks Using Onyx and Coils: Experience at a Regional Tertiary Care Referral Center. Oral Scientific Presentation of the 98th Scientific Assembly and Annual Meeting of the Radiological Society of North America, McCormick Place; 2012 Nov 24 – 30; Chicago, IL.

Lemos JA, Pace WA, Bhave AD, Scriver G, Shields JT, Najarian KE, **Morris CS**: Embolization and Obliteration of the Injured Biliary Ductal System Using Microcoils and N-Butyl Cyanoacrylate. Educational exhibit presentation at the 97th Scientific Assembly and Annual Meeting of the Radiological Society of North America. McCormick Place; 2011 Nov 27-Dec 2; Chicago, IL.

Lemos JA, Hampson CO, Najarian KE, Shields JT, **Morris CS**, Pace W, Bhave A. Management of hepatic malignancy with a minimally invasive approach: what every interventionalist trainee needs to know. Educational exhibit presentation at the 2010 Annual Meeting of the Cardiovascular and Interventional Radiological Society of Europe; 2010 Oct 2-6; Valencia, Spain.

Lemos JA, Hampson CO, **Morris CS**, Bhave AD, Shields JT, Najarian KE: Percutaneous Treatment of the Injured Biliary Tree. Educational exhibit presentation at the 95th Scientific Assembly and Annual Meeting of Radiology Society of North America (RSNA); 2009 Nov. 29 – Dec 04; Chicago, IL.

Lemos JA, Cushman M, Bhave AD, Najarian KE, Shields JT, **Morris CS**: Increased Inferior Vena Cava Filter Retrieval Rate With Improved Clinical Follow-Up. Scientific exhibit presentation at the 2009 Annual Meeting of the Cardiovascular and Interventional Radiological Society of Europe; 2009 Sept 19-23; Lisbon, Portugal.

Panko JE, **Morris CS**: Increased retrieval rates and dwell times for optional inferior vena cava filters at a level I trauma center: do improved patient follow-up and new inferior vena cava filter designs make a difference? Presented as a Scientific Poster at the Radiological Society of North America (RSNA) 92nd Scientific Assembly and Annual Meeting; 2006 Nov 26 – Dec 1; Chicago, IL.

Morris CS, Rogers FB, Najarian KE, Bhave AD, Shackford SR: Current trends in vena caval filtration with the introduction of a retrievable filter at a level I trauma center. Presented as a scientific poster at the 63rd Annual Meeting of the American Association for the Surgery of Trauma; 2003 Sept 9-11; Minneapolis, MN.

Ricci MA, **Morris CS**, Forgione MD, Callas PW, and the Wallgraft Occlusive Trial Investigators: Primary endovascular grafting of iliac occlusive disease is superior to stent alone - Initial results from a randomized, multicenter trial. Presented at the American Association for Vascular Surgery; 2001 June 12; Baltimore, MD.

Gemery JM, **Morris CS**, Najarian KE: Percutaneous transcatheter treatment of the failing lower extremity bypass graft. *JVIR (suppl 2)* 8:213, 1997. Presented at the Society of Interventional Radiology 22nd Annual Scientific Meeting; 1997 Mar 8-13; Washington D.C.

Rogers FB, Shackford SR, Wilson J, Kaups KL, Ricci MA, Wald S, **Morris CS**: Prophylactic vena cava filter insertion in severely injured trauma patients: Indications and preliminary results. *E.A.S.T.* 32:953, 1992. Hamilton, Bermuda.

McGhee RB, Bennett WF, **Morris CS**, Witanowski LS: Cost-effective development of a computer-assisted instruction system. 37th Annual Meeting of the Association of University Radiologists; 1989 May; Seattle, WA.

McGhee RB, Bennett WF, **Morris CS**, Witanowski LS: Cost-effective development of a computer-assisted instruction system. Scientific exhibit at the 74th Scientific Assembly and Annual Meeting of the RSNA; 1988 Nov; Chicago, IL.

Regional Invited Speaking Engagements:

Interventional Radiology of GI Bleeding. GI Core Curriculum Conference. Department of Medicine. UVM College of Medicine; 2018 Jan 10; Burlington, VT.

UVM College of Medicine Surgery Readiness Course. 2016 Mar 7; Burlington, VT.

UVM College of Medicine Surgery Readiness Course. 2015 Mar 2; Burlington, VT.

UVM College of Medicine Surgery Readiness Course. 2014 Mar 4; Burlington, VT.

NMGI Mock Tumor Board. UVM College of Medicine; 2013 Mar 14; Burlington, VT.

Interventional Radiology of GI Bleeding. GI Core Curriculum Conference. Department of Medicine. UVM College of Medicine; 2013 Feb 26; Burlington, VT.

Interventional Radiology in the Abdomen. Surgery Resident Readiness Course. UVM College of Medicine; 2012 Mar 5; Burlington, VT.

Tumor Ablation. Pathology Research Forum. Department of Pathology. UVM College of Medicine; 2012 Feb 3; Burlington, VT.

Interventional Radiology Applications in the ICU. The 9th Annual Northern New England Critical Care Conference; 2011 Oct 21; Stowe, VT.

Interventional Radiology 2011. Grand Rounds. Department of Surgery. UVM College of Medicine; 2011 Apr 14; Burlington, VT.

Interventional Radiology for the Future Surgery Intern. Surgery Majors of UVM College of Medicine; 2011 Mar 16; Burlington, VT.

Interventional Radiology in Trauma: What is it, who are we, and what can it / we do for the trauma patient and trauma surgeon? The New England Regional Trauma Conference; 2008 Oct 2; Shrewsbury, MA.

Vascular Access Emergencies. Fletcher Allen Health Care Division of Nephrology Pathophysiology Conference; 2008 Mar 21; Burlington, VT.

Interventional Radiology of Image Guided Biopsy. Cytopathology Fall Seminar. Fletcher Allen Health Care. UVM College of Medicine. Department of Pathology. 2007 Oct 10; Burlington, VT.

Abdominal Aortic Aneurysms. Candidacy (anatomic issues), Devices, Domplications, and Follow-up of Endografts. Grand Rounds. Rutland Regional Medical Center; 2007 Jan 18; Rutland, VT.

Aortic Stent-Grafts and CTA. The 20th Annual Imaging Seminar. The University of Vermont College of Medicine; 2006 Oct 13; Stowe, VT.

Update on Inferior Vena Cava Filters. Vermont Vascular Medicine Conference; 2006 Oct 6; Burlington, VT.

Management of Abdominal Aortic Aneurysms. Grand Rounds. Porter Hospital; 2006 Sept 29; Middlebury, VT.

Aortic stent-grafts. Grand Rounds. Department of Radiology. University of Vermont College of Medicine; 2005 Dec 16; Burlington, VT.

Endoleaks associated with abdominal aortic stent-grafts: Past, present, and future. Grand Rounds. Department of Surgery. University of Vermont College of Medicine; 2005 Mar 31; Burlington, VT.

New topics in Interventional Radiology. The University of Vermont CME Regional Program. Copley Hospital Medical Staff; 2002 Feb 13; Morrisville, VT.

Update on uterine artery embolization for symptomatic uterine fibroid disease. Grand Rounds. Department of Obstetrics and Gynecology. University of Vermont College of Medicine; 2001 Nov 6; Burlington, VT.

What's new in vascular and interventional radiology. Grand Rounds. Department of Family Practice, University of Vermont College of Medicine; 2001 Mar 12; Burlington, VT.

Transjugular intrahepatic portosystemic shunt. Panel discussion. Stowe Conference on Digestive Diseases. University of Vermont College of Medicine; 2001 Mar 3; Stowe, VT.

Uterine artery embolization for symptomatic fibroid disease. The University of Vermont CME Regional Program. Springfield Hospital Medical Staff; 2001 Feb 15; Springfield, VT.

Angiography and interventional radiology in trauma. New England Roentgen Ray Society; 2000 Oct 13 Boston, MA.

Bronchial artery embolization and uterine artery embolization. 42nd Annual New England Conference of Radiologic Technologists; 2000 Sept 16; Burlington, VT.

MR Angiography. Vascular physics and technology review course. Department of Surgery, University of Vermont College of Medicine; 1999 Oct 25; Burlington, VT.

Radiologic management of the failing and thrombosed dialysis graft. Grand Rounds. Department of Surgery. University of Vermont College of Medicine; 1999 May 27; Burlington, VT.

Peripheral magnetic resonance angiography. Grand Rounds. Department of Radiology. University of Vermont College of Medicine; 1999 Jan 14; Burlington, VT.

Uterine artery embolization for the treatment of symptomatic uterine fibroids. Grand Rounds. Department of Obstetrics and Gynecology. University of Vermont College of Medicine; 1998 May 19; Burlington, VT.

Management of peripheral vascular disease. Vermont Academy of Family Physicians Annual Meeting; 1998 May 7; Killington, VT.

Bronchial artery transcatheter embolization in hemoptysis. Grand Rounds. Department of Radiology. University of Vermont College of Medicine; 1997 Apr 11; Burlington, VT.

Peripheral vascular disease. 38th Annual New England Conference of Radiologic Technologists; 1996 Sept 20; Burlington, VT.

Multidisciplinary approach to the management of portal hypertension. Grand Rounds. Department of Surgery. University of Vermont College of Medicine; 1996 Sept 12; Burlington, VT.

Current status of transjugular intrahepatic portosystemic shunts (TIPS). Fourth Annual Current Concepts and Controversies in Surgery. Department of Surgery, University of Vermont College of Medicine; 1995 Feb 9; Stowe, VT.

Angiography. Vascular physics and technology review course. Department of Surgery, University of Vermont College of Medicine; 1994 Sept 6; Burlington, VT.

Transjugular intrahepatic portosystemic shunts (TIPS) and other radiologic interventions. Clinical Problems in Gastroenterology X, UVM College of Medicine, Gastroenterology Unit; 1993 Feb 2; Stowe, VT.

Transjugular intrahepatic portosystemic shunt (TIPS). Grand Rounds, Department of Surgery, University of Vermont College of Medicine; 1993 Jan 28; Burlington, VT.

Transjugular intrahepatic portosystemic shunt (TIPS). Experience at MCHV. Grand Rounds, Department of Radiology, University of Vermont College of Medicine; 1992 Nov 10; Burlington, VT.

Transjugular intrahepatic portosystemic shunt. Presented at the Division of Gastroenterology, Department of Internal Medicine weekly conference, University of Vermont College of Medicine; 1992 June 25; Burlington, VT.

National/International Invited Speaking Engagements:

Central Venous Catheter Insertion. CVC Insertion. Clinical Associates Hands On Workshop. Society of Interventional Radiology Annual Scientific Meetings, SIR2012; 2012 Mar 24; San Francisco, CA.

The Cold Foot. The New England Roentgen Ray Society Program; 2008 Apr 4; Boston, MA.

Interventional Radiology for the Family Physician. New York State Academy of Family Physicians Winter Weekend and 59th Scientific Assembly; 2007 Jan 27; Lake Placid, NY.

Uterine Arterial Embolization. 26th Annual Comprehensive Review of Vascular and Interventional Radiology. Department of Radiology, University of California, San Diego; 2006 Oct 28; San Diego, CA.

Stent Grafts. 26th Annual Comprehensive Review of Vascular and Interventional Radiology. Department of Radiology, University of California, San Diego; 2006 Oct 28; San Diego, CA.

Update on renal arterial interventions. 26th Annual Comprehensive Review of Vascular and Interventional Radiology. Department of Radiology, University of California, San Diego; 2006 Oct 27; San Diego, CA.

Interventional Radiology of Biliary Disease. 1st Gulf Radiological Society Conference and 4th Kuwait International Conference of Radiology and Nuclear Medicine; 2006 Apr 20; Kuwait City, Kuwait.

Update on Inferior Vena Cava Filters. 1st Gulf Radiological Society Conference and 4th Kuwait International Conference of Radiology and Nuclear Medicine; 2006 Apr 19; Kuwait City, Kuwait.

Current status of inferior vena cava filtration. Inferior Vena Cava Filtration Hands On Workshop. Society of Interventional Radiology 31th Annual Scientific Meeting; 2006 Mar 31 and April 2; Toronto, CA.

Uterine artery embolization. University of California at San Diego Radiology Review Course: 25th Annual Comprehensive Review of Vascular and Interventional Radiology; 2005 Oct 22; San Diego, CA.

Stent-grafts in aortic diseases. University of California at San Diego Radiology Review Course: 25th Annual Comprehensive Review of Vascular and Interventional Radiology; 2005 Oct 22; San Diego, CA.

Current status of inferior vena cava filtration. Inferior Vena Cava Filtration Hands On Workshop. Society of Interventional Radiology 30th Annual Scientific Meeting; 2005 Apr 2 & 4; New Orleans, LA.

Case Presentations. Radiology Residency Noon Conference. University of California, San Diego, VA Hospital; 2005 Mar 22; La Jolla, CA.

Interventional Radiology of biliary disease. Grand Rounds. Department of Radiology. UCSD Medical Center, Hillcrest Hospital; 2005 Mar 22; San Diego, CA.

Role of interventional radiology in trauma. Radiology Residency Noon Conference. University of California, San Diego, VA Hospital; 2005 Feb 15; La Jolla, CA.

Endoleaks associated with abdominal aortic stent grafts: Past, present, and future. San Diego Angio Club. Thornton Hospital; 2005 Jan 12; San Diego, CA.

Current status of inferior vena cava filtration. Culinary Institute; 2004 May 10; Poughkeepsie, NY.

Current status of inferior vena cava filtration. Syracuse Angio Club; 2004 Apr 14; Syracuse, NY.

Current status of inferior vena cava filtration. Inferior Vena Cava Filtration Hands On Workshop. Society of Interventional Radiology 29th Annual Scientific Meeting; 2004 Mar 26&29; Phoenix, AZ.

Current status of inferior vena cava filtration. Mercy Hospital; 2004 Feb 3; Portland, Maine.

Bronchial artery embolization. The Second International Conference of Radiology and Nuclear Medicine. Kuwait Radiology Society; 1999 Feb 22; Kuwait City, Kuwait.

Uterine artery embolization for symptomatic uterine fibroid disease. The Second International Conference of Radiology and Nuclear Medicine. Kuwait Radiology Society; 1999 Feb 22; Kuwait City, Kuwait.

Carbon dioxide angiography. The Second International Conference of Radiology and Nuclear Medicine. Kuwait Radiology Society; 1999 Feb 21; Kuwait City, Kuwait.

Current status of transjugular intrahepatic portosystemic shunt (TIPS). Grand Rounds. Department of Radiology, Ohio State University College of Medicine; 1992 Nov 20; Columbus, OH.

Invited Reviewer:

Reviewer, HPB Journal	2022 - 2023
Reviewer, Cardiovascular Diagnosis and Therapy	2021 - 2023
Reviewer, Journal of Vascular and Interventional Radiology	2011 – 2014
Senior Reviewer, Journal of Trauma	1996 – 2010
Reviewer, American Journal of Roentgenology	1997 – 2004

Grants:

University of Vermont Department of Surgery Internal Research Award Machine learning for detection of endoleak after endovascular abdominal	2017 - 2019
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aortic aneurysm repair
Sub-investigator
\$25,000

University of Vermont Medical Center Foundation Grant
Evaluation of a peritoneal dialysis catheter weighted anchor
Principal Investigator
\$47,890

2017 – 2019

Active and Inactive Clinical Research:

Principal Investigator: CHRMS (Medical): STUDY00001696
Sclerotherapy of cystic bone tumors.

2021 - Present

Co-Principal Investigator: CHRMS (Medical): STUDY00001051
A retrospective comparison of kidney biopsies performed by
interventional radiologists and nephrologists.

2020 - Present

Sub-Investigator: CHRMS 16-053 National Multicenter Trial. A phase 3,
double-blind, randomized, long-term, placebo-controlled, multicenter
study evaluating the safety and efficacy of obeticholic acid in subjects with
non-alcoholic steatohepatitis (NASH).

2019 - Present

Sub-Investigator: CHRMS Study #440 National Multicenter Trial. A phase
2, randomized, double-blind, placebo-controlled, multicenter, dose-finding
study to evaluate the efficacy and safety of CC-90001 in subjects with
non-alcoholic steatohepatitis (NASH) and stage 3 or stage 4 liver fibrosis.

2019 - Present

Sub-Investigator: CHRMS 18-0636 National Multicenter Trial. A phase 2B
randomized, double-blind, placebo-controlled study evaluating the safety and
efficacy of BMS-986036 (PEG-FGF21) in adults with nonalcoholic
steatohepatitis (NASH) and stage 3 liver fibrosis.

2019 – Present

Sub-Investigator: CHRMS 18-0634 National Multicenter Trial. A phase 2B
randomized, double-blind, placebo-controlled study evaluating the safety and
efficacy of BMS-986036 (PEG-FGF21) in adults with nonalcoholic
steatohepatitis (NASH) and compensated liver cirrhosis.

2019

Sub-Investigator: CHRMS 18-0299 National Multicenter Trial. A phase 3,
double-blind, randomized, long-term, placebo-controlled, multicenter
study evaluating the safety and efficacy of obeticholic acid in subjects with
compensated cirrhosis due to non-alcoholic steatohepatitis (NASH).

2019 - Present

Sub-Investigator: CHRMS Study #221 National Multicenter Trial.
A phase 3, randomized, double-blind, placebo-controlled study evaluating
the safety, tolerability, and efficacy of GS-9674 in non-cirrhotic subjects
with primary sclerosing cholangitis.

2018 - Present

Sub-Investigator: CHRMS 18-0504 National Multicenter Trial. A Phase 2, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Selonsertib, GS-0976, GS-9674, and Combinations in Subjects with Bridging (F3) Fibrosis or Compensated Cirrhosis (F4) due to Nonalcoholic Steatohepatitis (NASH)	2018 - Present
Sub-Investigator: CHRMS Study #163 National Multicenter Trial. A post- Treatment follow-up study for liver disease subjects with or without liver Cirrhosis after receiving Emriscan or placebo.	2018 - 2019
Principal Investigator: CHRMS Study #413 Single Center Study. Percutaneous transcholecystic removal of biliary duct stones.	2018 - 2019
Sub-Investigator: National Multicenter Trial. National Cancer Institute (NCI) – Molecular Analysis for Therapy Choice (NCI-MATCH) Trial EAY131	2017 – Present
Sub-Investigator: CHRMS 17-0489 National Multicenter Trial – A phase 3, randomized, double-blind, placebo-controlled study evaluating the safety and efficacy of selonsertib in subjects with compensated cirrhosis due to non-alcoholic steatohepatitis (NASH).	2017 - 2019
Sub-Investigator: CHRMS 17-0488 National Multicenter Trial – A phase 3, randomized, double-blind, placebo-controlled study evaluating the safety and efficacy of Selonsertib in subjects with non-alcoholic steatohepatitis (NASH) and bridging (F3) fibrosis GS-US-384-1943.	2017 - 2019
Sub-Investigator: CHRMS 16-719 National Multicenter Trial - Conatus 12. Multicenter, randomized, double-blind, Placebo-controlled trial of Emricasan, an oral caspase inhibitor, in (IDN-6556) in subjects with non-steatohepatitis (NASH) fibrosis.	2017 - 2019
Sub-Investigator: CHRMS 17-0334 Single Center Trial. Magnetic resonance-based determination of hepatic steatosis for optimization of outcomes following surgical resection of liver metastases. Sponsored by UVM Cancer Center / Lake Champlain Cancer Research Organization.	2017 - Present
Sub-Investigator: CHRMS 17-0192 National Multicenter Trial - Conatus 12. Multicenter randomized, double-blind, Placebo-controlled trial of Emricasan, an oral caspase inhibitor, in (IDN-6556) in subjects with non-steatohepatitis (NASH) fibrosis and severe portal hypertension.	2017 - Present
Sub-Investigator: CHRMS 16-472 Single Center Study – Fluoroscopic time requirement as prediction of successful IVC filter retrieval.	2016
Principal Investigator: Adjunctive cone-beam CT as a predictor of tunneled peritoneal dialysis catheter function. University of Vermont Medical Center	2015 – 2018

Single Center Trial

- Co-principal Investigator:** National Multicenter Trial. 2014 – 2018
Best Endovascular vs. Best Surgical Therapy in Patients
with Critical Limb Ischemia (BEST-CLI)
- Co-investigator:** National Multicenter Trial. ALLOCURE Phase 2 2012 – 2014
Clinical Trial in Acute Kidney Injury. Novel Cell Therapy AC607
- Sub-Investigator: CHRMS 08-028** Single Center Study – Humanitarian 2010 - Present
device use of Therasphere for treatment of unresectable hepatocellular
liver cancer.
- Co-investigator:** National Multicenter Trial. ORION trial. 2008 – 2010
Boston Scientific Corporation.
- Principal Investigator:** Prospective evaluation of inferior vena cava filters. 2007 – 2012
University of Vermont Medical Center
Single Center Trial. Departments of Radiology, Medicine, and Surgery
- Co-investigator:** National Multicenter Post-market Trial. Jan 2007 – 2012
CHOICE trial. Abbott Corporation.
- Principal Investigator:** National Multicenter Trial. Feb 2006 – 2007
Wallgraft Occlusive Trial. Boston Scientific Corporation.
- Principal Investigator:** National Multicenter Trial. Dec 2005 – 2007
EVEREST Recovery Filter Study.
BARD Peripheral Vascular, Inc.
- Co-investigator:** National Multicenter Post-market Trial. Oct 2004 – Oct 2006
CAPTURE: Carotid ACCULINK/ACCUNET Post Approval
Trial to Uncover Rare Events. Guidant Corporation.
- Principal Investigator:** National Multicenter Trial. Dec 2001 – Dec 2002
A multicenter, phase 3 study to determine the safety
and efficacy of MS-325-enhanced MRA in patients
with suspected peripheral vascular disease.
Epix Medical, Inc. and Mallinkrodt.
- Principal Investigator:** Observational study of renal artery angioplasty May 2001 – May 2002
and stenting using carbon dioxide and iodinated contrast media.
Single Center Study. Department of Radiology.
University of Vermont College of Medicine.
- Co-investigator:** National Multicenter Trial. Feb 2001 – 2004
RESTORE: Renal stent for the treatment of renovascular hypertension.
IntraTherapeutics, Inc.

Co-investigator: National Multicenter Trial. Jan 2001 –Mar 2001
A randomized double blind study comparing the safety and efficacy of enoxaparin 30 mg q 12 hours, enoxaparin 40 mg qd with placebo and Na heparin 5000 u q12 hours as prophylaxis against DVT and PE after trauma.
Aventis Pharmaceuticals, Inc.

Principal Investigator: National Multicenter Trial. Aug 2000 – Dec 2000
A phase 2, randomized, multicenter, comparative, dose-ranging, placebo-controlled study to determine the safety and efficacy of MS-325 enhanced MRA for evaluation of aortoiliac occlusive disease in patients with known or suspected peripheral vascular disease.
Epix Medical, Inc. and Mallinkrodt.

Co-investigator: National Multicenter Trial. Apr 1998 – 2007
Wallgraft endoprosthesis iliac occlusive clinical trial.
Schneider (USA) Inc.

Principal Investigator: National Multicenter Trial. Nov 1997 – Dec 1997
A phase II study of the safety and preliminary efficacy of MS-325-enhanced magnetic resonance angiography in carotid and peripheral arteries.
Epix Medical, Inc.

Collaborating Investigator: National Multicenter Trial. Feb 1997 – Feb 1998
A prospective, randomized comparison of percutaneous transluminal angioplasty (PTA) with or without the Corvita Endoluminal graft (CEG) used as immediate (primary) or late (suboptimal PTA) adjunctive therapy for the treatment of iliac artery occlusive disease.
Corvita Corporation.

Collaborating Investigator: National Multicenter Trial. 1993 – 1995
Thrombolysis or peripheral arterial surgery (TOPAS).
Abbott Laboratories.

Other Creative Products

Print/Online Media:

Morris CS. Cast the die for randomised evidence comparing percutaneous ablation with surgery and prepare for the flood of renal cell carcinoma patients. *Interventional News* Issue 83; page 15 – Sep, 2021. Available at <https://interventionalnews.com/interventional-news-issue-83-september-2021-us-edition/>

Electronic/Media:

Morris CS. Kawasaki Disease. *Vascular and Interventional Radiology*. American College of Radiology and Society of Interventional Radiology CD-ROM Series. Sep, 2003.

Morris CS. Chronic Mesenteric Ischemia. Vascular and Interventional Radiology. American College of Radiology and Society of Interventional Radiology CD-ROM Series. Sep, 2003.

Patents

Christopher S. Morris. “Peritoneal Dialysis (PD) Catheter Weighted Anchor,” U.S. Provisional Patent Application (2017) No. 62/519,568 and Patent Cooperation Treaty (2018). U.S. Patent No. 12,048,792 B2 Issued 7/30/24.

Daniel J. Bertges, **Christopher S. Morris**, Safwan Wshah, and Sage Hahn. “Method and Apparatus for Detecting Endoleaks on Computerized Tomography Scans after Endovascular Aortic Aneurysm Repair,” U.S. Provisional Patent Application (2019) – patent pending. U.S. Application No. 17/602,164.

Participation in Corporate Agreements:

Philips HealthTech Agreements (as a radiologist in the department, I participate in research collaboration projects that allow us to maintain cutting edge technology for clinical service, teaching and research.)

1. Reference Site Agreement

I provide:

- a. Radiologist peer to peer education during customer site visits to UVMMC
- b. Product demonstrations during customer site visits to UVMMC
- c. Contribution to Image Library for visiting customers
- d. Follow-up discussions with peers

2. Master Research Agreement:

I provide:

- a. Pre-production testing for Beta upgrades
- b. Clinical observation and feedback on products
- c. Test sequences and image acquisition
- d. Software evaluation
- e. Protocol development for products

McKesson Luminary Agreement (results in institutional discounts on technology and service)

I provide:

- a. User feedback for the development of Beta products
- b. Radiology informatics workflow development
- c. Participation in product evaluation surveys, product development discussions and focus groups
- d. Site visit participation that includes product demonstrations and peer to peer discussions with McKesson customers.