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Personal Data

Born	Morristown, NJ
Citizenship	United States of America
Marital Status	Married to Benedict Kingsbury
Children	Four daughters

Education

Year	Degree	Field	Institution
1983-1986	B.A. (magna cum laude)	Biochemical Sciences	Harvard-Radcliffe Colleges
1986-1989	Ph.D. (D. Phil)	Engineering Science	Oxford University
1988-1992	M.D. (honors)	Medicine	Harvard Medical School
2004-2006	M.B.A. (valedictorian)	Business	New York University

Internships and Residencies

1992-1993 Internship in General Surgery, Duke University, North Carolina
1993-1997 Residency in Diagnostic Radiology, Duke University
1996-1997 Chief Resident, Diagnostic Radiology, Duke University

Clinical Fellowship

1997-1998 Fellow in Body Magnetic Resonance Imaging and Thoracic Imaging, New York University Medical Center (NYUMC), New York

Licensure and Certification

1997 American Board of Radiology: Certificate in Diagnostic Radiology
1997 New York State Medical License: #206046 (exp)
2005 Michigan State Board of Medicine Physician License #1498139 (exp)
2011 Utah Medical License #8020279-1205

Academic Appointments

1997-1998 Clinical Assistant Professor of Radiology, New York University School of Medicine
1998-2000 Assistant Professor of Radiology, NYU SoM
1998-2002 Director, Cardiothoracic MR Imaging, NYU SoM
2000-2004 Associate Professor of Radiology, NYU SoM
2002-2008 Vice Chair for Research, Department of Radiology, NYU SoM
2002-2004 Associate Professor of Neuroscience and Physiology, NYU SoM
2004-2011 Professor of Radiology and Neuroscience and Physiology, NYU SoM
2011-2018 Professor of Radiology (tenured), University of Utah
2011-2017 A. Lorris Betz Senior Vice President for Health Sciences
2011-2017 Dean, School of Medicine, University of Utah
2011-2017 Senior Vice-President for Health Sciences, University of Utah
2018- Senior Lecturer, Department of Radiology (MGH), Harvard Medical School

Hospital Appointments

1997-1998 Clinical Assistant Attending, New York University Medical Center, New York

	Clinical Assistant Attending Bellevue Hospital Center, New York
1998-2011	Attending Physician, Body and Cardiovascular MRI, NYUMC
1998-2000	Assistant Attending, NYUMC, New York
	Assistant Attending, Bellevue Hospital Center, New York
2000-2004	Associate Attending, NYUMC, New York
	Associate Attending, Bellevue Hospital Center, New York
2004-2011	Attending, NYUMC, New York
	Attending, Bellevue Hospital Center, New York
2007-2011	Chief Scientific Officer and Senior Vice-President, NYUMC
2011-2017	Chief Executive Officer, University of Utah Health System
2018-	Senior Lecturer, Massachusetts General Hospital

Affiliation Appointments

2017- Senior Fellow, Institute for Healthcare Improvement (IHI), Cambridge, MA

Employment/Major Administrative Responsibilities

2018- President, Verily Health Platforms, Verily (an Alphabet/Google company)
Responsible for the strategic and operational leadership of Health Platforms at Verily, I work closely with Verily's clinical and engineering teams to develop products and platforms that support the successful transformation of health systems to value and advance the co-production of health with patients, their caregivers, and communities.

Co-CEO and Chair of the Board, Coefficient
Board of Directors, Onduo
Walgreens-Verily Joint Sterring Committee

Products Overseen and Launched:

- Onduo, assumed responsibility November 2019: Commercially available virtual diabetes clinic with integrated remote monitoring (blood glucose monitor/continuous glucose monitor, app, texting, videoconferencing, medical management, coaching dashboard)
  - https://blog.verily.com/2019/12/onduo-and-scaling-virtual-care-model.html
- Verily Covid-19 Pathfinder, April 2020: a new set of tools that provide on-demand access to COVID-19 information directly from a hospital or health system website
  - https://verily.com/stories/verily-covid-19-pathfinder/
  - https://blog.verily.com/2020/04/verily-launches-pathfinder.html

2011 - 2017 A. Lorris Betz Senior Vice President for Health Sciences, University of Utah
Dean, School of Medicine
CEO, University of Utah Health Care

Major Administrative Initiatives

For 6 years, I was responsible for the academic health sciences campus and health system of the University of Utah, the flagship public university of the state, and the only academic medical center in the intermountain region of Idaho, Wyoming, Montana, western Colorado, eastern Nevada, and Utah. As one of two senior vice-presidents, I reported directly to the University President. My responsibilities included the Colleges and Schools of Medicine (for which I also served as Dean), Pharmacy, Nursing, Health, and Dentistry, together with research centers such as the Huntsman Cancer Institute, the John A. Moran Eye Center, and the NCATS-funded Center for Clinical and Translational Science. Our health care system included four hospitals, numerous clinical and research

specialty centers, a network of 12 neighborhood health centers, a health insurance plan, 18 regional hospital affiliates, and over 1,400 board certified physicians, as well as a university-owned spin-off, ARUP Laboratories, a leading national reference laboratory company. In my University of Utah roles, I was responsible for an annual budget that grew from $2.1 billion to more than $3.5 billion.

During my tenure, we recruited exceptional faculty and leaders and achieved superb results across all missions of the University. Building stronger relationships with our state legislature, we secured funding to increased the medical school class size from 82 to 125 students per year and established the first new academic School of Dentistry in the country in 25 years, thanks to generous philanthropic support (our first class graduated May 2017). We grew research programs across the campus, including a new Utah Genome Project and Precision Medicine Initiative (raising over $50M in philanthropy and leading to over $40M in new NIH funding within five years), a new Neuroscience Initiative, a new Department of Population Health Sciences in the School of Medicine, comprehensive designation for NCI-designated Huntsman Cancer Institute, and a new Center for Medical Innovation. Last year, under the leadership of outstanding new Deans, the College of Nursing was ranked #2 in NIH funding among all nursing schools in the nation, and the College of Pharmacy continued to be ranked in the top 5. A major initiative for our campus has been a $500M campus transformation construction project slated for completion by 2022, for which over $180M in state and private funds were committed by spring 2017. This project includes the new Neilsen Rehabilitation Hospital (funded through a $47.5M gift) and Ambulatory Care Center (both underway), followed by demolition and construction of a new School of Medicine building. Clinically, our team led the University of Utah to recognition for its health care delivery system innovations that enable higher quality at lower costs and with higher patient satisfaction. In 2016, University of Utah was ranked #1 among university hospitals in quality and safety, making it the 7th year in a row that the system was ranked in the top 10, and ranked in the top 5 for ambulatory care (Vizient/University Healthsystem Consortium). In 2013, we secured a commercial insurance license and created a separate insurance company, University of Utah Health Plans, which grew from 60,000 to over 250,000 lives, primarily through employer contracts and notable profitability on the individual exchange as well.

2007- 2011 Vice Dean for Science, Chief Scientific Officer and Senior Vice-President, NYULMC

Major Administrative Initiatives and Achievements

As the inaugural Vice Dean for Science at NYULMC, my primary responsibilities were to support and grow the scientific community at NYU: strengthening core facilities and support services, enhancing research career development and mentoring, and serving as an advocate for research within NYU and externally. Initiatives included establishing a new philanthropically-funded Neurosciences Institute and recruiting its Director, launching six new Centers of Excellence and a new Center for Translational Science Institute (CTSI), upgrading core facilities and standardizing their operations, educational initiatives in grantsmanship, and a new physician scientist training program, creating mechanisms to encourage and support programmatic research, establishment of a new Center for Health Informatics and Bioinformatics and a new Department of Statistics and Epidemiology, both housed in a newly acquired research building for public health initiatives, and overseeing a number of operational initiatives in research administration. Our office oversaw the Institutional Review Board, Sponsored Programs Administration, Office of Clinical Trials, Office of Industrial Liaison, Department of Laboratory and

Animal Research, IACUC, Research Information Management, Institutional Biosafety Committee, and we co-supervise Research IT, Research Finance, Research Development, and Research Compliance. During my tenure, NYU ranking among NIH-funded schools of medicine increased from #36 to #26.

2002-2008 Vice-Chair for Research, Department of Radiology, NYUMC

Major Administrative Initiatives and Achievements
During my 5-year tenure, I helped create a research administration and infrastructure in Radiology that supports research productivity and external funding success through mentorship, seed grants, and fostering of intra- and inter-departmental collaborations. NYU Radiology, unranked in research funding a decade earlier, rose to a top tier Department in NIH research funding, with an active corps of clinical researchers, 20 dedicated research scientists and over 60 full-time research personnel.

Awards and Honors

1983	National Merit Scholar
1983	U.S. Presidential Scholar
1983-1986	John Harvard Scholar, Harvard College Elizabeth Cary Agassiz Scholar, Radcliffe College
1984	Detur Prize, Harvard College
1985	Phi Beta Kappa (junior year)
1985	Women in Science Award, Radcliffe College
1986-1989	Rhodes Scholar, Oxford University
1992	Janet. M. Glasgow Memorial Achievement Citation, American Medical Women‘s Association
1992	Rose Seegal Prize, Harvard Medical School
1996	American Association for Women Radiologists Distinguished Resident Award
1998	Cum Laude Award, Society for Computed Body Tomography/Magnetic Resonance
1999	Cum Laude Award, Society for Computed Body Tomography/Magnetic Resonance
1999	Moncada Award, Society for Computed Body Tomography/Magnetic Resonance (PI: GA Krinsky)
2000	Lauterbur Award, Society for Computed Body Tomography/Magnetic Resonance
2001	Orloff Award, NYUMC
2001	Junior Investigator Award, Society for Computed Body Tomography/Magnetic Resonance
2001	Elected to Full Membership, Society for Computed Body Tomography/Magnetic Resonance
2001-2010	Elected to Best Doctors
2002	Cum Laude Award, Society for Computed Body Tomography/Magnetic Resonance
2002-2010	Elected to Board of Trustees (2002-2005), Executive Committee (2005-2010), International Society for Magnetic Resonance in Medicine (ISMRM)
2003, ‘05, ‘07	Radiology Editor‘s Recognition Award For Reviewing with Distinction
2005	Outstanding Teacher Award, International Society for Magnetic Resonance in Medicine Annual Meeting
2006	Cum Laude Award, Society for Computed Body Tomography/Magnetic Resonance (PI: G. Bennett)
2006	“40 under 40”, New York‘s Rising Stars, Crain‘s New York Business
2006	Fellow of the International Society for Magnetic Resonance in Medicine
2006	Alpha Omega Alpha
2009	Chang-Lin Tien Education Leadership Award

2009 Polytechnic Institute-NYU Innovator's Award
2010 UN Secretary General's Global Colloquium of University Presidents: Faculty representative with NYU President John Sexton
2010 International Society for Magnetic Resonance in Medicine Poster Award 1st Prize (Yamamoto et al)
2011 Dynamic Achiever Award for the Overseas Chinese Association; Westchester Hudson Valley, NY
2012 ISMRM Lauterbur Lecturer
2012 "Pathfinder" Salt Lake City Chamber of Commerce Women and Business awardee
2013 2013 Outstanding Asian Professional Award Recognition by Utah Asian Chamber of Commerce
2013 Becker's Hospital Review recognitions
Top 20 hospital and health system leaders to follow on Twitter
Top 125 Physician Leaders of Hospitals and Health Systems,
Top 300 Hospital & Health System Leaders to Know
2014 Becker's Hospital Review recognition
Top 40 Smartest People in Healthcare
2014 Press Ganey Innovation Award
2015 American Society for Clinical Investigation, elected member
2015 National Academy of Medicine (formerly, Institute of Medicine), elected member
2015 Utah Cystic Fibrosis Foundation "Breath of Life" Award
2016 Utah Women's Leadership Celebration Honoree, Sundance Film Festival
2016 Outstanding Director, Utah Business magazine
2016 Commencement Speaker, John A. Burns School of Medicine, University of Hawai'i
2016 Becker's Hospital Review recognition
10 Most Interesting People in Healthcare
2017 Utah Governor's Medal of Science and Technology
2017 Commencement Speaker, NYU Stern School of Business EMBA Program, New York
2017 Wilson Ko Memorial Lecture, Chinese American Medical Society Annual Meeting
2019 International Society for Magnetic Resonance in Medicine, Gold Medal
2019 Modern Healthcare 100 Most Influential People in Healthcare, Rank #11
2020 Modern Healthcare Top 25 Minority Leaders
2020 Modern Healthcare Top 50 Most Influential Clinical Executives

Institutional Awards and Honors

2017 Costs of Care/ABIM Creating Value Challenge winner for "Linking Quality and Costs – Team-based, Physician-led Care Redesign for Top 50 Medical Conditions", (Selected from over 80 submissions), June 2017

2016 Vizient/University Healthsystem Consortium Top Academic Health System in Quality and Safety: Ranked #1 among over 120 university hospitals
Top 5 Ambulatory Care

2015 AAMC Learning Health System Champion Research Award for "Implementation of Value Driven Outcomes (VDO) to Enhance Clinical Operations, Health Services Research, and Population Health in an Academic Health Enterprise", December 2015 (Y Anzai)

2015 AAMC Learning Health System Pioneer Award for "Development of a standardized and accepted process for implementing and evaluating Patient-Reported Outcomes (PROs) within an Academic Health Enterprise, December 2015 (H Weeks)

2011-2017 University Healthsystem Consortium Top 10 Academic Health Systems in Quality and Safety.
Overall Ranking: 2011 (#7), 2012 (#4), 2013 (#9), 2014 (#6), 2015 (#7), 2016 (#1)
Ambulatory Care: 2015 (#2), 2016 (#5)

Major National and State Committee Assignments

2017- Defense Health Board, member 2017-
Health Care Delivery Subcommittee, Member 2017-
Pediatric Health Care Services report, released 9/17

National Institutes of Health

2000-2014 National Institutes of Health Study Sections
Ad hoc reviewer for National Heart, Lung and Blood Institute, April 2000
Reviewer for Bioengineering Research Partnerships, December 2001
Ad hoc reviewer for Diagnostic Imaging, February 2004
Ad hoc reviewer for NIDDK, August 2004
P50 Molecular Imaging Study Section, NCI, November 2006
Training Grant Study Section, NIBIB, February 2007
NIDDK Kidney Functions and Disease (ZRG1 RUS-C (03) S), July 2007
Challenge Grants: Distinguished Editorial Panel, July 2009
NIDDK F32, October 2010
NIH Translational/Clinical study section June 13, 2011
NIDDK KUH-Fellowship review committee October 12, 2012
NIDDK Pathobiology of Kidney Disease (PBKD) mail review, June 9, 2014
NIDDK Renal Physiology/Pathophysiology, ZRG1 DKUS C 05M Special emphasis panel, Chair, July 18, 2014

2004-2014 NIH Medical Imaging (MEDI) Study Section
Charter member, Medical Imaging (MEDI)
Chair, Medical Imaging (MEDI), 2008-2009
MEDI SEP (Conflicts), Dec 2010
Chair, Medical Imaging Investigation SEP (Conflicts), March 2013
Special Emphasis Panel/SRG ZRG1 DTCS-A, October 15, 2014

2009 NIH/NIDDK CRISP Study External Advisory Committee

2014-2018 NIH Council of Councils, member, extended 2017-2018

National Medical Research Council, Singapore

2010 National Medical Research Council, Singapore, Grant Review

New Zealand Heart Association

2010-11 Independent research grants review

Canadian Foundation for Innovation

2008 Integrated Review Group (IRG) for Large Scale Institutional Endeavours component of Research Hospitals Fund

Cancer Research UK

2012 Cancer Imaging Centre grant review

Harvard Medical School
1989-1992 Admissions Committee Harvard Medical School (HST), Boston

Duke University
1996-1997 Graduate Medical Education Committee, Duke University

New York University
2003-2007 Molecular Imaging Working Group, NYU
2007-2011 China House, Executive Committee, NYU
2008-2011 Academic Priorities Committee, NYU
2008-2011 Research Dean's Committee, NYU

NYU School of Medicine and Medical Center
1999-2005 Transplant Surgery-Radiology Conference, NYUMC
2000-2001 NYU School of Medicine Curriculum Committee, NYU SoM
2001-2007 Radiology Resident Selection Committee, NYUMC
2001-2007 Radiology Research Committee Chair, NYUMC
2002-2003 Radiology Department MRI Efficiency Task Force, NYUMC
2003-2004 NYU Cancer Center Protocol Review and Monitoring Committee, NYUMC
2003-2007 NYU School of Medicine Admissions Committee, NYU SoM
2004-2005 NYU Clinical Research Administrative Task Force, Co-Chair with H. Abikoff, NYUMC
2004-2007 NYU Center for Biomedical Imaging, Operations Committee, Coil Safety Committee, Finance Committee, NYUMC
2006-2007 NYU Directors of Institutional Regulatory Offices (DIRO) Committee
2006 NYUMC Dean/CEO Search Committee
2006-2011 NYUMC Mentoring Program for Women Students
Etin-Osa Osa, 2006-2007
2007-2011 Academic Affairs and Affiliates Subcommittee of NYULMC Board of Trustees
2009-2011 NYULMC LEAN Executive Steering Committee
2010-2011 "On the Same Page" Steering Committee

State of Utah
2012-2015 Utah Health Advisory Council – State of Utah, Governor's appointee

University of Utah
2012-2017 Skaggs Institute for Research – Class A Trustee
2012-2017 University of Utah Research Foundation – Executive Vice President

Memberships, Offices and Committee Assignments in Professional Societies
1985- Phi Beta Kappa; Member
1986- American Association of Rhodes Scholars
1989- Massachusetts Medical Society; Member
1993- American Roentgen Ray Society; Member
1993- Radiological Society of North America
Board of Distinguished Scientific Advisors, 1998-2007
Program Committee, Cardiovascular Section, 2001-2005
Refresher Course Committee, Cardiovascular Chair, 2001-2004
Refresher Course Committee, Cardiac Chair, 2005-2007
Radiographics Cardiac Imaging Panel, 2000-2002
1994- American Association for Women Radiologists; Member

1997- International Society for Magnetic Resonance in Medicine (ISMRM)
Board of Trustees, 2002-2010, elected by the membership
Board of Trustees Executive Committee 2004-2010
Vice-President, 2006-2007, elected by the membership
President-Elect 2007-2008
President 2008-2009
Past-President 2009-2010

International Society for Magnetic Resonance in Medicine Committee Roles, in addition to ex officio role in all committees 2008-2009
Scientific Program Committee 2003-2005, Vice-Chair 2003-2004
Scientific Program Committee Chair for 2005 (Miami Beach Meeting)
Safety Committee, 2002-2003
Meetings Coordination Committee, 2003-2005
Education Committee, 2004-2005
Finance Committee, 2004-6, 2008-2010
Ad Hoc Committee on Electronic Media, 2004-2005
Regional Organizing Committee, 2004-2005
Annual Meeting Program Committee, 2005-2009
Workshop and Study Group Committee Chair, 2006-2008
Governance Committee, 2006-2009, Chair, 2009-2010
Awards Committee and Chair, 2008-2010
Annual Meeting Abstract Reviewer, 2000-2004, 2006-2007
Junior Fellows Mentor, 2012-

Major Initiatives and Achievements in International Society for Magnetic Resonance in Medicine
During my eight-year tenure on the Board and six-year tenure on the Executive committee of the Board of Trustees, as President 2008-2009, and as Scientific Program Chair for 2005, I mainly focused on (1) fiscal responsibility, (2) increasing the attractiveness of the Society to physician members and encouraging translational collaborations, and (3) sustainability initiatives. Our board launched a plan to address inadequate financial reserves in the Society through a multi-year planned contribution to the reserves, based on a newly developed multi-year financial forecast. This plan required discipline during the economic crisis of the 2008-2009 period, but even in that year during my Presidency, the Society was able to net $650,000 through a combination of reduced expenditures and higher than expected revenues from the 2009 Honolulu Annual meeting. Both in the Annual Meeting and through a new Case-Based weekend educational program, we increased visibility of the Society to clinician members and developed a new Seed grant program for collaborative translational research. Through the ad hoc committee on sustainability, the International Society for Magnetic Resonance in Medicine has held its first "Virtual Conference" in 2009 and plans to extend this technology across educational and scientific formats.

1999-2002 New York Cardiovascular MR Society
Co-Founder and Convener of monthly meetings

2001- Society for Computed Body Tomography/Magnetic Resonance (SCBT/MR)
Elected to Membership
Research-Scientific Committee, 2004-2006, Co-Chair 2005-2006

2002-2011 American Heart Association
Council on Cardiovascular Radiology and Intervention, 2002-2011

Diagnostic Radiology and Surgery Review Committee, October 2002, 2003

2000-2010 American College of Radiology
MRI Accreditation Program, Cardiac MRI, 2000-2002, 2005-2010

2004-2010 New York Roentgen Society
Secretary/Treasurer, 2004-2005

2006- Alpha Omega Alpha

2007-2009 Foundation for the NIH, Biomarkers Consortium
Metabolic Disorders Steering Committee, 2007-2009

2009 RSNA Research & Education Foundation
Corporate Giving Subcommittee of the Fund Development Committee

2008-2010 American Board of Radiology MOC Examination Committee for Cardiac MRI

2008-2011 Academy for Medical Development and Collaboration (AmDEC)
Board of Directors, 2008-2011
Chair, Scientific Advisory Committee, 2009-2011

2010 -2017 Association of American Medical Colleges (AAMC)
Group on Research Advancement and Development (GRAND), AAMC Steering Committee, 2010-2012
Advisory Panel on Research, Chair, 2012
Award for Distinguished Research Selection Committee, member 2012, chair 2013
Council of Deans Administrative Board, elected 1 year term (2013-14), 3 year term 2014-17
Flexner Award Selection Committee, 2017

2012-2014 Radiology Selection Committee for the Alexander R. Margulis Award for Scientific Excellence

2012-2017 State of Utah Health Advisory Council, appointed by Utah Governor Gary Herbert

2013-2014 Association of Academic Health Centers, CEO Government Relations Working Group
Association of Academic Health Centers, Board of Directors, 2014

2014- Women of Impact, founding member

2014- The Commonwealth Fund,
Health Care Delivery System Reform Program, National Advisory Group, 2014-
The Commonwealth Fund Board of Directors Member, 2018-

2015- Massachusetts General Hospital Scientific Advisory Committee, 4 year term
MGH Research Scholars Selection Committee 2017-2019

2015-2017 American College of Physicians, Internal Medicine, 2nd Annual Teaching Value & Choosing Wisely Challenge, judge

2015- The American Society for Clinical Investigation; Member

2015-2019 University of Pittsburgh School of Medicine Board of Visitors; Member

2015 Technical Advisory Committee, Robert Wood Johnson Foundation, Member

2015- National Academy of Medicine, elected 2015
Nominating Committee; Member, 2016-
Strategic Planning Committee, Member 2017-
Membership Committee, 2017-
Vice Chair of Section 6 (Surgery, Anesthesiology, Radiology, Ophthalmology), 2017-2019
Chair of Section 6, 2019-

2016- Society of Medical Administrators, Elected Member

Editorial Positions

Editor-at-Large

2020- New England Journal of Medicine Catalyst

Journal Oversight Committee
2014-2020 JAMA, Journal Oversight Committee

Consulting Editor
2009-2012 Magnetic Resonance Imaging Clinics of North America, Elsevier, Co-Editor
2009-2010 Encyclopedia of Magnetic Resonance, John Wiley, Consulting Editor

Editorial Boards
2006-2017 Journal of Computer Assisted Tomography
2007- Journal of Magnetic Resonance Imaging
2014- Magnetic Resonance in Medicine

Ad Hoc Reviewer
1997- American Journal of Roentgenology
2001- Journal of Magnetic Resonance Imaging
2001- Journal of Thoracic and Cardiovascular Surgery
2001- Journal of Investigative Medicine
2001- NMR in Biomedicine
2002- Lancet
2002- Investigative Radiology
2002- Radiology
2003- American Journal of Neuroradiology
2003- NMR in Biomedicine
2007- Magnetic Resonance in Medicine
2008- American Journal of Physiology – Renal
2015- JAMA

Industrial Relationships/Board Directorships
2000-2004 Medscape.com Consultant

1998-2003 Berlex Laboratories
Speakers' Bureau, Visiting Professorships, Consultant

1999-2006 Siemens Medical Systems/Siemens Corporate Research
Consultant (unpaid)

2014-2018 Merrimack Pharmaceuticals (MACK)
Board of Directors, Compensation Committee (2014-2018), Audit Committee (2016)

2014-2015 Zions First National Bank
Board of Directors

2015- Zions Bancorporation (ZION)
Board of Directors, Audit Committee (2015-16), Compensation Committee (2016-)
Chair, Compensation Committee (2017-)

Boards and Community Organizations
1986- American Association of Rhodes Scholars: Selection Committees
North Carolina Rhodes Scholar Selection Committee, 1992-1995
Southeast Regional Selection Committee, 1995

Oklahoma Selection Committee, 1996
Northwest Regional Selection Committee 1996
Connecticut Selection Committee, 1997
New York Selection Committee, 1998-1999, 2001-2002, 2004, 2009, 2010
New York Regional Committee, 2005
District VIII, Selection Committee 2014
District XIII, Selection Commiittee 2015-, District Secretary

1999-2002 Medical Advisory Board, Vital Images, Inc.
2000 Congressional Women's Health Forum
2008-2011 New York Empire State Stem Cell Board, New York State Department of Health Ethics Committee, advising on ethical issues related to disbursement of $600m in research funds to stem cell research and education
2010-2014 The Rhodes Trust, Scholarship Committee
2012-2017 Rowland Hall Board of Trustees
2013-2017 BioUtah, Board of Directors
2014- Association of American Rhodes Scholars, Board of Directors

Teaching Experience

Harvard-MIT Division of Health Sciences and Technology, Harvard Medical School

1989-1992 Real Medicine (HST 230), Teaching Assistant, Harvard-MIT Division of Health Sciences and Technology, Harvard Medical School
1989 Quantitative Physiology: Organ Transport Systems (6.022J), Teaching Assistant, MIT

Duke University

1995-1997 Introductory MR physics lectures for Residents, Department of Radiology

New York University

1997-2007 Body MR and Cardiothoracic Imaging Case Conferences for radiology residents (2-4/yr)
1997-2007 Cardiothoracic Imaging Board Review for senior residents (3/yr)
1997-2002 Cardiology Fellows Teaching Conference
1998-2003 Medical Student Teaching Conferences (4 – 5/year)
1998-2007 MR Physics for Radiologists (24 - 32/year) for fellows and residents
2000 Urology Resident Teaching Conference, August 2000
2003 Introduction to Renal Physiology, First year medical student lecture
2005-2007 Body and Cardiovascular MRI, Principles of Biomedical Imaging, NYU
2006-07 Principles of MRI, 8 lecture series to NYU Radiology Residents
2009-2011 Introduction and Overview, NYU Grantsmanship Course for Faculty and Postdocs Oct 2009; Sept 2010, March 2011

University of Utah

2013-2017 Why Health Care Reform is So Hard (8 lectures, School of Medicine, annually)
2014-2017 Health Policy and Leadership (School of Medicine Course #7410), "The Education of Future Health Professionals: Providing Skills to Help Them Lead the Transformation of Health Care" (Spring 2014, Spring 2015, Spring 2016)
2014-2017 Why Health Care Reform is So Hard (2 lectures, College of Nursing Course #3100 Nursing across systems and populations, Fall 2014, Spring 2016)
2014-2017 Guest Lectures for David Eccles School of Business MBA program, one lecture per semester
2014-2017 Guest Lectures for David Eccles School of Business Physician Leadership program, one lecture per semester
2016-2017 Guest Lectures for David Eccles School of Business MHA Program, one lecture per year

Academic Lectures Nationally

2016 Price Transparency in Health Systems. Sloan Program in Health Administration, Cornell University (Anthony J. German, Exec Director), Mar 11, 2016 (Best Lecture of the Year)

2018 Leading a Provider Organization. Value-Based Health Care, Short Intensive Program, Harvard Business School MBA program (Michael Porter and Bob Kaplan), Jan 16 2018

Special Panels and Round Tables

2016 Delivery System Reform Health IT, CEO Roundtable with Secretary of Health & Human Services Sylvia Mathews Burwell, Las Vegas

2015 Cancer Moonshot Conversation, led by Vice President Joe Biden

Mentoring of Radiology Faculty (*serve on Mentoring Committee)

2000-2005 Gary Israel, Assistant Professor of Radiology (Abdominal Imaging)
2001-2007 Nancy Fefferman, Assistant Professor of Radiology (Pediatric Radiology)*
2002-2006 Sandra Moore, Assistant Professor of Radiology (Musculoskeletal Radiology)
2004-2005 Rafael Rivera, Assistant Professor of Radiology (Pediatric Radiology)
2003-2008 Elizabeth Hecht, Assistant Professor of Radiology (Abdominal Imaging)*
2003-2009 Bachir Taouli, Assistant Professor of Radiology (Abdominal Imaging)*
2004-2007 Jane Ko, Assistant Professor of Radiology (Thoracic Imaging)*
2004-2008 Linda Moy, Assistant Professor of Radiology (Breast Imaging)*
2004-2011 Barbara Monvadi Srichai-Parsia, Assistant Professor of Radiology and Cardiology*
2005-2007 Matilde Inglese, Assistant Professor of Radiology (Research)*
2006-2007 Ray Lee, Assistant Professor of Radiology (Research)*
2006-2008 Youssef Zaim-Wadghiri, Assistant Professor of Radiology (Research)*
2006-2007 Vinay Pai, Assistant Professor of Radiology (Research)*
2006-2008 Dan Kim, Assistant Professor of Radiology (Research)*
2007- 2011 Ruth Lim, Assistant Professor of Radiology*
2008- 2012 Hersh Chandarana, Assistant Professor of Radiology*
2009- 2011 Andrew Rosenkrantz, Assistant Professor of Radiology
2011-2013 Marta Heilbrun, Assistant Professor of Radiology
2011-2017 Glen Morrell, Assistant Professor of Radiology
2011-2017 Chris Hanrahan, Assistant Professor of Radiology
2011- Jeff Zhang, Associate Professor of Radiology

Mentoring of Graduate Students, Residents, Post-Doctoral Fellows

Graduate Student Supervisor

2005-2008 Ting Song, Columbia University School of Engineering
Co-Supervisor with Andrew Laine, Columbia University
Ph.D. Thesis "Quantitative Image Analysis of 4D MR Renography", awarded 6/08
Presently: GE Medical Systems

2008-2012 Iliyana Atanasova, Columbia University School of Engineering
Co-Supervisor with Andrew Laine, Columbia University
Post-Doctoral fellowship, Harvard-MIT HST/Spain program (2012-2015)

2011-2017 Chris Conlin, Department of Bioengineering, University of Utah
Supervised by Dr. Jeff (Lei) Zhang

2011-2016 Marc Lindley, Department of Physics, University of Utah
Supervised by Dr. Dan Kim

2013-2014 Josh Kaggie, Department of Physics, University of Utah

Supervised by Drs. Glen Morrell and Dennis Parker
2014-2017 Henry Eyring, Harvard Business School
Served as collaborator, supporting Prof Bob Kaplan, supervisor

Prizes and Scholarships Awarded to Graduate Student

2006-2008	International Society for Magnetic Resonance in Medicine Stipend Award, Ting Song
2008, '09, '11	International Society for Magnetic Resonance in Medicine Stipend Award, IIiyana Atanasova
2010	MR Angiography Club Student Stipend, Iliyana Atanasova
2013	International Society for Magenetic Resonance in Medicine Stipend Award, Josh Kaggie
2013, '14	International Society for Magnetic Resonance in Medicine Stipend Award, Marc Lindley
2013, '14	International Society for Magenetic Resonance in Medicine Stipend Award, Chris Conlin

Post-Doctoral Fellow Supervisor

2005-2008 Louisa Bokacheva, Ph.D.
Presently, Memorial Sloan Kettering Cancer Center (2011)
2006-2011 Lei (Jeff) Zhang, Ph.D.
Presently, Asst Prof, University of Utah
2010-2011 Umer Khan, M.D.
Presently, internal medicine residency training (2011)
2010-2011 Ronn Walvick, Ph.D.
2010-2011 Hadrien Dyvorne, Ph.D.
Presently, Fellow, Mt. Sinai Hospital, NY
2011-2012 Tariq Gill, M.D.
2012-2015 Jason Mendes, Ph.D.
2014-2015 Josh Kaggie, Ph.D.
Presently, Post-doctoral Fellow, Cambridge UK

Prizes and Scholarships Awarded to Post-Doctoral Fellows

2006-2008	International Society for Magnetic Resonance in Medicine (ISMRM) Stipend Award, Louisa Bokacheva
2007-2009	ISMRM Stipend Award, Lei (Jeff) Zhang
2011	ISMRM Stipend Award, Umer Khan
2011	ISMRM Stipend Award, Ronn Walvick
2011-2013	ISMRM Junior Fellow, Lei (Jeff) Zhang

Medical Student Mentees (NYU)

1998 Tejas S. Shinde
1999 Ambrose Huang, Anthony T. Ton, Sora C. Yoon
2000 Joseph Morgan, Tammy Sung, Douglas Martin
2001 Daniel Resnick, Bernard Sajous
2002 Lee K. Collins, Daniel Resnick
2003 Jennifer C. Cha
2005 Samson Wong
2006 Etin-Osa Osa

Medical Student Mentees (University of Utah)

2014 Lorne Hofstetter (MD-PhD student)

*Medical Student Research Mentees (NYU) (** Resulting in abstracts or publications)*

1998-1999 Tejas S. Shinde, NYU School of Medicine**
1998-2000 Anthony T. Ton**
1999-2000 Sora Yoon, Ambrose J. Huang
2000-2001 Tammy Sung, Daniel Resnick**, Joseph Morgan**
2000-2001 Peter Lee**, Albert Einstein School of Medicine
2001-2002 A. Jathavedam, S. Kim, J. Bernard Sajous**, Phoebe Dann, Joseph Golowa
2001-2002 Calvin Lo, Albert Einstein School of Medicine
2002-2004 J. Cha**
2003-2004 A. Gupta**
2004-2005 S. Heller**, Cornell-Weill Medical School
2009 Kris Tantillo

Prizes and Scholarships Awarded to Mentored Medical Students

2001-2002 Radiological Society of North America Medical Student Grant
Scientific Advisor; Medical student: Daniel Resnick
2003-2004 NYU General Clinical Research Center Student Scholarship
Mentor; Medical student: Ankur Gupta

Radiology Resident Mentees (NYU)

1999-2004 Pari Pandharipande
2000-2004 Tejas Shinde
2002-2004 Ambrose J. Huang, Mallinckrodt Institute of Radiology Resident
2004-2005 Ke Lin
2006-2007 Myra Finn
2006-2009 Richard Do

Radiology Resident Research Mentees (NYU)

1999-2000 Pari V. Pandharipande , Research resident**
2002-2004 Ambrose J. Huang**, Research Resident from Mallinckrodt Institute of Radiology
2001-2002 Meera Raghavan**, Research Resident from University of Connecticut
2003-2004 J. Bernard Sajous**, Intern/Radiology Resident
2002-2004 Tejas Shinde, Resident
2003-2007 Manmeen Kaur**, Research Resident
2009- 2012 Stella Kang, Resident

Prizes and Scholarships Awarded to Mentored Residents

2003-2004 Radiological Society of North America Radiology Resident Grant
Scientific Advisor; Research Resident: Ambrose J. Huang
2003 International Society for Magnetic Resonance in Medicine
Student Travel Stipend awarded to research resident, Ambrose J. Huang
2003 American Association for Women in Radiology
Lucy Squire Distinguished Resident Award, Pari Pandharipande

Clinical Fellows Trained

1998-1999 Cary Yeh, Ben Yang
1999-2000 Frank Lombardo, Matt Reuss, Michael Lavelle
2000-2001 Gavin Duke, Joseph Veniero (Cleveland Clinic)
2001-2002 Maura Noordhoorn, Jonathan Barker

2002-2003 Winnie Hahn (Georgetown), Elizabeth Hecht (NYU, UPenn, COlumbia), Danny Kim (NYU)
2003-2004 Jerry Chang, Doug Rusnack, Jingbo Zhang (Memorial Sloan Kettering)
2004-2005 Deanna Chin, Daniel Moses (Sydney), Ravi Thakur
2005-2006 Stephen Drew, Ruth Lim (NYU), Tejas Parikh
2006-2007 Andy Harris (SFVA), Jason Jacobs, Sooah Kim (NYU)
2007-2008 Hersh Chandarana (NYU), Andrew Hardie, Mohit Naik
2008-2009 Kinh Gian (Memorial Sloan Kettering), Jignesh Patel, Andrew Rosenkrantz (NYU)

*Clinical Fellow Research Mentees (** Resulting in abstracts or publications)*
1999-2000 Michael T. Lavelle, MRI Fellow**
2002-2003 Alan Shah, Cardiology Fellow
2002-2003 Winnie Hahn**, MRI Fellow
2002-2003 Elizabeth Hecht**, MRI Fellow
2003-2004 Jingbo Zhang**, MRI Fellow
2003-2004 Jerry Chang**, MRI Fellow
2005-2006 Ruth Lim**, MRI Fellow
2006-2007 Jason Jacob**, MRI Fellow
2006-2007 Andrew Harris, MRI Fellow
2007-2008 Hersh Chandarana**, MRI Fellow

*Visiting Fellow and Other Mentees (** Resulting in abstracts or publications)*
1998 Maria J. Diaz-Candamio**, Visiting Fellow, La Coruna Spain
2000-2001 Stephan Wetzel**, Visiting Scholar, Basel Switzerland
2005-2007 Chekema Prince**, Pre-Doctoral Research Assistant
2006 Vicky Rivas, University of Miami senior, Summer internship
2008-2009 Pierre-Hugues Vivier**, Research Fellow, France
2009-2011 Akira Yamamoto**, Visiting Fellow, Japan

Prizes and Scholarships Awarded to Clinical Fellows
2007 ISMRM Stipend Award, Jason Jacob
2010 ISMRM Poster 1st Prize Award, Akira Yamamoto

Teaching Awards
1997 Department of Radiology Resident Teaching Award, Duke University
2005 Outstanding Teacher Award (Clinical MRI Course), International Society for Magnetic Resonance in Medicine (ISMRM) Annual Meeting, Miami
2011 Outstanding Teacher Award (Clinical MRI Course), ISMRM, Montreal
2012 Outstanding Teacher Award (Clinical MRI Course), ISMRM, Melbourne
2016 Sloan Program in Health Administration, Cornell University, Lecturer of the Year

Major Radiology Research Interests
My primary area of interest has been the development of MRI techniques to quantify renal function and diagnose renal disease noninvasively. My group concentrates on renovascular disease, hepatorenal syndrome and cirrhosis, and renal transplant dysfunction. Additionally, a second group is focused on the development of non-contrast-enhanced MR angiographic methods for imaging vascular diseases and the development of functional correlates such as perfusion and tissue oxygenation.

Active Grants
2016-2020 NIH R01-HL135242
"Stress-rest calf muscle perfusion: a functional diagnostic test for peripheral arterial disease (PAD)"

Role: Consultant (formerly Co-Investigator 5% effort), PI: Jeff. L. Zhang

2017-2021 NIH R01-DK109349
"Renal hypoxia in the development of glomerular fibrosis"
Role: Consultant (formerly Co-Investigator 5% effort), PI: Jeff L. Zhang

Past Grants

1998-99 Radiological Society of North America Seed Grant
"Comprehensive MR Evaluation of Patients with Suspected Renovascular Hypertension: Contrast-Enhanced MR Angiography and Enalaprilat-Enhanced Phase Contrast Flow Quantification and Renal Perfusion Studies"
Role: Principal Investigator, $25,000

2000-2001 Society of Thoracic Radiology Seed Grant
"Contrast-Enhanced Cardiac MR Imaging for Evaluation of Myocardial Viability"
Role: Principal Investigator, $15,000

2001-2002 Nycomed-Amershan Research Grant
"Volumetric Mn-DPDP-Enhanced Cholangiography to Define Intrahepatic Biliary Anatomy"
Role: Principal Investigator, Contrast agent for 50 studies.

2001-2002 Society for Gastrointestinal Radiology Phillip Meyers Grant
"Comprehensive MR Evaluation of Living Liver Transplant Donors"
Role: Co-Investigator; PI: M. Lavelle

2000-2004 NIH K23 Career Development Award
"Comprehensive MR Evaluation of Renovascular Disease" (DK02814-01)
Role: Principal Investigator, 75% effort, Total direct costs $615,474

2002-2004 NIH R03 Grant
"Magnetic Resonance Renography: Validation Studies" (DK61599-01)
Role: Principal Investigator; 10% effort (incl in K23 effort), Total direct costs $168,584

2003-2004 NYU General Clinical Research Center Student Scholarship
Grant to support medical student for one year dedicated to radiology research
Role: Mentor; Medical student: Ankur Gupta, $25,000

2003-2004 Radiological Society of North America Radiology Resident Grant
Role: Scientific Advisor; Research Resident: Ambrose J. Huang, $25,000

2000-2004 NIH NCI U01 (NYU 99-37)
"An Evaluation of Chronic Thalidomide Administration in Patients Undergoing Chemoembolization for Unresectable Hepatocellular Cancer"
Role: Co-Investigator; PI: A. Goldenberg

2000-2004 NIH NCI U01 (NYU 99-38)
"Thalidomide for Unresectable Hepatocellular Cancer with Optional Interferon α2a Upon Disease Progression"
Role: Co-Investigator; PI: M. Volm

2003-2005 American Heart Association

"Preservation of Myocardial Function: Post-operative Infarction Associated with On-pump versus Off-pump Coronary Artery Bypass Grafting"
Role: Co Investigator, 5%; PI: A. Shah (no cost extension through 2006)

2001-2006 NIH K23 Career Development Award
"Cytokine Inhibition in Hepatocellular Carcinoma" (CA90584)
Role: Consultant; PI: Jonathan Schwartz, Mt Sinai School of Medicine

2003-2009 NIH R01
"MR Angiography and Renography for Renovascular Disease" (DK063183)
Role: Principal Investigator, 30% effort, Total direct costs $1,878,449

2004-2010 NIH R01
"MRI Evaluation of Acute Renal Transplant Dysfunction" (DK067523)
Role: Principal Investigator, 30% effort, Total direct costs $1,578,113

2005-2009 NIH U01
"Prospective Investigation of Pulmonary Embolism Dx-III" (HL081593)
Role: Co Investigator, 5%; PI: D. Naidich

2006-2009 American Heart Association Scientist Development Grant
"Imaging Evaluation for Left Ventricular Thrombus in Patients with Systemic Embolism and Left Ventricular Dysfunction"
Role: Mentor, 5% effort (no support); PI: Barbara Srichai Parsia

2010-2011 NIH G20
"MSB Central Animal Facility Renovation" (RR030901)
Role: Principal Investigator (institutional role), $9,339,773 + 10% state matching funds

2010-2012 RSNA Research Scholar Award
"Evaluation and Prediction of Treatment Response in Liver Metastasis undergoing Chemotherapy with use of Dual Energy CT Iodine Quantification Technique"
Role: Primary Mentor, 5% effort (no support); PI: Hersh Chandarana, $150,000

2009-2013 NIH R01
"Aorta, Brain, and Kidney Structure and Function in the AGES-Reykjavik Study" (HL094898)
Role: Consultant, 1% effort (no support); PI: Gary Mitchell

2008-2015 NIH R01
"Non-Contrast-Enhanced Peripheral MR Angiography" (HL092439)
Role: Principal Investigator, 10% effort, Total direct costs $2,312,618

2013-2015 Radiological Society of North America Research Scholar Grant
"Real-time monitoring of renal hypoxia and hypoperfusion with quantitative MRI"
Jeff L. Zhang, Principal Investigator
Role: Scientific Advisor, 0% effort, Total direct costs $152,000

2014-2015 National Kidney Foundation
"Contrast induced kidney injury and its early assessment"
Jeff L. Zhang, Principal Investigator

Role: Advisor, 1% effort, Total direct costs $20,000

2010-2016 NIH R01
"MR Angiography and Renography for Renovascular Disease" (DK063183)
Role: Principal Investigator, 10% effort, Total direct costs $1,742,018

2010-2016 NIH R01
"Accurate Measurement of Renal Function in Cirrhosis" (DK088375)
Role: Principal Investigator, 10% effort, Total direct costs $1,698,111

Lectures, Speakerships, Conference Contributions

HEALTH CARE

Keynote Addresses and Lectures (Health Care/Technology)

2020 "Innovating Patient Safety for All"
Liftoff in Motion Speaker Series, Jewish Health Foundation, Pittsburgh, July 22, 2020

2020 "Big Data, AI and the Journey to Value Driven Care"
AAAI (Artificial Intelligence) AI in Practice Keynote, February 12, 2020, New York

2020 "From Health Care to Whole Person Care"
Harvard Business School Health Care Conference Keynote, with Tom X. Lee and Rob Huckman, February 9, 2020, Boston

2019 "A Conversation with Women Building Biotech's Future: Dr. Vivian Lee MD, PhD, MBA, and Dr. Charlene Stern, JD, PhD."
ChIPs (Chiefs of Intellectual Property) Global Summit, Washington DC, September 26, 2019

2019 "Fixing Health Care, Powered by Machine Learning"
ASNR Annual Conference Keynote, May 21, 2019

2019 "The Role of Technology in Addressing Disparities: Getting Beyond Expensive Gizmos and Cool Apps" with Bob Galvin, Trent Haywood, Jonathan Rothberg
Yale Healthcare Conference, New Haven, CT, April 11, 2019

2019 "Improving Healthcare, At Scale"
MIT Sloan Healthcare and Bioinnovations Conference Keynote, Feb 22, 2019, Boston

2018 "Engaging Physicians with Value Measurement Tools," with David Pryor, John Wong, Institute for Healthcare Improvement (IHI), Orlando, December 10, 2018

2018 "Improving Healthcare, At Scale"
Top of Mind 2019, UPMC, December 6, 2018, Pittsburgh

2018 "Surveys, Sensors and Stories: A Vision for Value"
Quality Talks, NCQA, Washington, D.C., October 22, 2018 (Ted style talk)

2018 "Leading the Transformation of Healthcare"
Sound Physicians National Leadership Conference, Phoenix, AZ, May 9, 2018

2017 "Leading the Leaders"
Wilson Ko Memorial Lecture, Chinese American Medical Society, November 4, 2017

2017 "Data-Driven Innovation: the Future of Health Care"
Association of American Medical Colleges WGEA/WGSA Conference, Keynote Speaker, Feb 27, 2017, Salt Lake City, Utah

2016 "Health Care Transformation: Driving Value through Imaging"
Radiological Society of North America: Annual Oration in Diagnostic Radiology, November 28, 2016, Chicago

2016 "Leading Leaders"
Keynote, Elevate Women HFMA AAHAM Women's Forum
Salt Lake City, October 13, 2016

2016 "The Transformation to Value Driven Health Care"
Society of Computed Body Tomography & Magnetic Resonance, Keynote Speaker, September 18, 2016, Salt Lake City, Utah

2016 "Leadership, Data Science and Culture Change in Health"
AcademyHealth Concordium 2016, Plenary Speaker, September 12, 2016, Arlington, Virginia

2016 "Leadership: A Conversation",
Keynote, 1st Annual Society of Asian Academic Surgeons, Stanford School of Medicine, Stanford, California, September 24, 2016

2016 "Finding A Better Way Toward Patient-Centered Care"
Healthcare Financial Management Association National Institute, Las Vegas, Nevada, June 27, 2016

2016 "Leadership: Translating Challenge to Success"
New England Journal of Medicine Catalyst, Rochester, Minnesota, June 2, 2016

2016 "Leading Change"
Convocation Keynote Speaker, University of Hawaii School of Medicine, Honolulu, Hawaii, May 15, 2016

2016 "Value-Driven Innovation: The Future of Health Care"
Association of American Medical Colleges Health Workforce Research Conference, Keynote Speaker, May 5, 2016, Chicago, Illinois

2016 "Transparency & Innovation"
Press Ganey Leadership Summit, Salt Lake City, Utah, March 3, 2016

2016 "The Future of Academic Medicine"
Association of American Medical Colleges Joint Professional Development Conference, Salt Lake City, Utah, March 3, 2016

2016 "Data Transparency and Health Care Transformation"
Invited Presentation at the Global Health Security Initiative Ministerial Meeting, Sec Sylvia Burwell hosting, Washington, DC, February 25, 2016

2015 "Achieving and Maintaining Salary Equity for Improved Performance"
Association of American Medical Colleges Annual Meeting, Baltimore, Maryland, November 7, 2015

2015 "Identifying the Key Indicators of Institutional Success in Academic Medicine"

Association of American Medical Colleges Annual Meeting, Baltimore, Maryland, November 7, 2015

2015 **"**Data, Transparency & Engagement: Forces for Transformation in Academic Medicine" Society of Academic Anesthesiology Association Annual Meeting, Baltimore, Maryland, November 7, 2015

2015 "Health Care Transformation"
National Science Foundation; Industry and University Cooperative Research Center, Center for Hybrid Multicore Productivity Research, Salt Lake City, Utah, November 4, 2015

2015 "Transparency and Physician-Driven Value Creation"
Transparency Summit: Co-Hosted by University of Utah Health Care and Press Ganey, Denver, CO, March 5, 2015

2015 "Broadening our Perspectives Using Data: the Integration of Community Health and Public Health"
Association of Departments of Family Medicine Annual Meeting, Savannah, GA, February 19, 2015

2015 "Innovation: The Future of Health Care"
Robert Wood Johnson Foundation Clinical Scholars Annual Meeting, Seattle, WA, November 4, 2015

2014 "Transparency: Driving Transformation"
Press-Ganey National Conference, Keynote, Orlando FL, November 4, 2014

2014 "Transparency: A Force for Engagement"
Catholic Health Initiatives 2014 National Leadership Conference Keynote, Las Vegas, NV, October 24, 2014

2014 "Transparency: A Force for Engagement"
Academy Health/RWJF meeting: Payment Reform: Honing the Models and Pushing the Boundaries, October 23, 2014, Chicago, IL

2014 "The Educational Mission in a Changing Health Care Delivery System: Stresses and Opportunities"
Education of the Health Care & Science Workforce, Insitute of Medicine Interest Group Meeting, Washington, DC, October 19, 2014

2014 "How Do We Build Better Partnerships Between Patients and Providers?"
MedX, TED-talk, Palo Alto, CA September 5, 2014

2014 "The Transformation from Volume to Value"
MedCity News Keynote, Philadelphia, PA July 16, 2014

2014 "Creating a Value Driven Organization" [webinar]
Academy Health, Robert Wood Johnson Foundation, June 16, 2014

2014 "Take Your Seat at the Leadership Table: A Dean's Perspective on How Advancement Professionals Can Be Key Drivers of Change in Academic Medicine"
AAMC Group on Institutional Advancement, National Professional Development Conference Salt Lake City, UT March 27, 2014

2014 "Solving the Impossible Problems Facing Healthcare"
AGM and CEO Workshop Keynote, Melbourne, Australia, March 21, 2014

2014 "Redesign of Healthcare"
Global Group Meeting, Melbourne, Australia, March 20, 2014

2014 "Creating a Value Driven Organization"
Robert Wood Johnson Foundation: Academy Health, Washington, D.C., February 29, 2014

2013 "Transparency Motivates Change"
National Center for Healthcare Leadership, Chicago, IL, November 19, 2013

2013 "Preparing for a Post-Fee-for-Service World"
AAMC Annual Meeting, Philadelphia, PA, November 3, 2013

2013 "Science to Society"
American Physician Scientists Association Keynote, Chicago, IL, April 28, 2013

2013 "Moving Academic Medicine to Population Management"
Association of Chiefs and Leaders of General Medicine, Denver, CO, April 24, 2013

2013 "Critical Analysis: Right Sizing the Research Enterprise"
Association of American Medical Colleges Council of Deans annual meeting breakout session, Scottsdale, AZ, April 6, 2013

2012 "MRI: From Science to Society"
Lauterbur Keynote Lecture. International Society for Magnetic Resonance in Medicine, Melbourne, Australia, April 20, 2012

2012 Martin Luther King Jr Celebration Keynote Address
University of Utah, SLC, UT, January 18, 2012

2010 "Motivating Faculty For Maximum Performance: Encouraging Exceptional Faculty to do More, and Putting Non-Productive Faculty on Track"
Vice Presidents of Research Executive Leadership Group, Association of Academic Health Centers, Washington D.C., Dec 7, 2010

2009 "Technology & Innovation: Engines for Biomedical Research"
Polytechnic Institute Innovation Forum, NY, NY, September 28, 2009

2008 "Diversity in American Health Care: Agents of Change"
Asian-Pacific-American Medical Student Association Annual Meeting, October 2008

Invited (Named) Lectureships, Grand Rounds, Visiting Professorships (Health Care/Technology)

2020 "Responding with Resilience" McMurtry Leadership Lecture
Knight-Hennessy Scholars, Stanford University, May 15, 2020 (online)

2019 "Luminaries in Healthcare Leadership: An Evening with Dr. Vivian Lee"
Weill Cornell, New York, April 18, 2019

2018 "Improving Healthcare, At Scale"
Wake Forest Medical Center, Grand Rounds, Greensboro, NC, December 13, 2018

2018 "Technology & Health Care: Chasing what we do not understand"
Eugene A. Stead Jr, MD Lecture, Duke Department of Medicine, Durham, NC November 9, 2018.

2018 "Transforming Health Care in Academic Medical Centers"
AMSNDC (Association of Medical School Neuroscience Department Chairs), Panama, March 3, 2018

2017 "Transforming Health Care: Physician Leadership"
UT Austin Dell Medical School, Austin, Texas, October 25, 2017

2017 "How Imaging can Drive Value in Health Care"
Merrill C. Sosman Lecture, Brigham and Womens Hospital, September 12, 2017

2016 "Leading the Leaders"
Leadership in Academic Medicine Lecture Series, University of Alabama School of Medicine, Birmingham, Alabama, December 8, 2016

2016 "Leading the Transformation of Health Care"
Leadership Forum, Commonwealth Fund Mongan Fellowship in Minority Health Policy and Harvard Medical School, Keynote speaker, Cambridge, Massachusetts, September 13, 2016

2016 "The Transformation of US Health Care: Data, Transparency, and Innovation"
Grand Rounds, Far Eastern Memorial Hospital, Taipei, Taiwan, July 8, 2016

2016 "Innovation: The Future of Health Care"
Harvard Medical School Asian Pacific American Students Association, Boston, Massachusetts, June 13, 2016

2016 "Innovation: The Future of Health Care:
Charles C. Leighton Memorial Lecture, University of Pennsylvania Leonard Davis Institute Health Policy Seminar Series, Philadelphia, Pennsylvania, April 8, 2016

Panel Contributions at National Conferences and Events (Health Care/Technology)

2020 "Physician scientist/scientist entrepreneurs using AI/Big Data"
American Physician Scientist Association Resdent/Fellow/Junior Faculty Section, June 20, 2020, with Eric Topol, Anthony Chang.

2020 "Gender Equality in the Age of a Pandemic" Webinar

Ellevate, hosted by Kristy Wallace, CEO, with panelists, Mita Mallick, Katica Roy, May 7, 2020.

2020 Value-Based Care in the COVID-19 Response: Forum on Accelerating Value-Based Payment for Healthcare, Webinar
Hosted by Mark McClellan, Arnaud Bernaert with panelists, Bruce Broussard, Nancy Brown, Matthew Guilford, Joungho Kim, Thomas Moriarty, Thorsten Schlomm, Byrony Winn, April 24, 2020.

2020 Technology Solutions for Better Outcomes
Consumer Electronics Show, with Amy Foley, Nicola Kamath, Jennifer Schneider, and moderated by Alan Lotvin, Las Vegas, NV, January 9, 2020

2019 Evaluating Value: How Should Success Be Defined and Measured
US News Healthcare of Tomorrow Closing Keynote Session with panelists Seema Verma, Rachel Werner, Marvin O'Quinn, Vincent Nelson, and others, Washington DC, November 19, 2019

2019 Can Health Data Fuel Global Collaboration?
Milken Institute Conference, Los Angeles April 30, 2019

2019 "HHS Roundtable on Sharing and Utilizing Health Data for AI Applications"
Rapid presentations, Washington, DC, April 16, 2019

2019 "Health Innovation – Industry Innovation Panel"
American Council for Technology-Industry Advisory Council (ACT-IAC) Washington DC, April 10, 2019

2019 "Consumer Healthcare and New Models of Care Delivery"
World Medical Innovation Forum (Harvard), Boston, April 9, 2019

2019 "American Life Expectancy", Moderator, with Patrice Harris, Ben Miller, and Elizabeth Howell, Commonwealth Fund Bipartisan Congressional Retreat, Warrenton, VA, April 6, 2019

2019 "Closing Fireside Chat: The Next 10 years"
Health Datapalooza, Boston, MA March 28, 2019

2019 "Plugging into Rural Healthcare Solutions," with Carrie Byington, Dan McCoy, Gregory Winfree, South by Southwest (SXS), Austin, March 12, 2019

2018 "Healthcare in the Era of Big Data: Opportunities and Challenges" with Brett Davis, Jacqueline Corrigan-Curay, Patrick Ryan, moderated by Mark Sheehan, New York Academy of Sciences, October 24-25, 2018

2018 "Dey: Ideas and Influence, and Interview with Rimjhim Dey, by Vivian Lee"
Women of Impact, Washington DC, July 20, 2018

2018 "The Employers Strike Back: Towards a Real Market in Healthcare," with Bob Kaplan, David Asch, moderated by Karen Feinstein. Princeton Conference XV, Council on Health Care Economics and Policy, Princeton, NJ, May 22-24, 2018

2018 "Spreading and Sustaining the Choosing Wisely Campaign," with Daniel Wolfson, Mark DeRubeis, Frank Colangelo, Pittsburgh, PA, April 12, 2018

2016 "Help from afar: the power of remote healthcare", with Hill Ferguson, Suneel Gupta, Ron Gutman, Rick Valencia, Fortune Brainstorm Health, San Diego, California, November 2, 2016

2016 "We've got to talk about the dollars", with Jonathan Woodson, Fortune Braintsorm Health, San Diego, California, November 2, 2016

2016 "Women Leaders: Progress and Promise", with Margaret Hamburg and Paula Johnson, 70 Years of Women at Harvard Medical School, Boston, Massachusetts, October 21, 2016

2016 "Reinventing Medical School for the Next Generation of Doctors", with Clay Johnston, Aspen Ideas Festival, Aspen, Colorado, June 25, 2016

2016 "The Future of Medicine", with Toby Cosgrove and Ken Davis, Aspen Ideas Festival, Aspen, Colorado June 23, 2016

2016 "How Access to Public and Private Healthcare Data Can Empower Consumers", with Jeremy Stoppelman (Yelp CEO), Health Datapalooza, Washington, DC, May 9, 2016

2016 "Incentivizing Great Research", Panel Member, American Society for Biochemistry and Molecular Biology Annual Meeting, San Diego, California, April 3, 2016

2014 "Women of Impact: A Collective Impact Exercise to Fix Health Care's Broken Windows", Panel Member at AAMC Annual Leadership Conference, November 7, 2014, Chiago, IL

2014 "Provider driven/quality data transparency" with Toby Cosgrove at the Innovation in Health Care Leadership conference (and simulcast), NEJM/Harvard Business Review, October 7, 2014, Boston, MA

2014 "Harnessing Data to Better Involve Patients", MedX Panelist, September 2014, Palo Alto, CA

2014 "Entrepreneurship in Digital Health", MedX, Panelist, September 2014, Palo Alto, CA

State /Local Meetings and Event Panels, Lectures & Keynotes (Health Care/Academic Medicine)

2017 "The Future of Health Care: A non-political discussion"
Harvard Alumni Association, Salt Lake City Utah, Jan 12, 2017

2014 "Profiles in Business Leadership"
Utah Medical Association, Salt Lake City, Utah, April 24, 2014

2013 Governor's Health Summit, Workforce Advisory Group, Panel member, September 2013, Salt Lake City, UT

2012 MD4 Utah Life Science Summit, Panel member, November 2012, Salt Lake City, Utah

2012 Governor's Health Summit, Panel member, September 2012, Salt Lake City, Utah

2013 "Women in Science/Women in Leadership"
Women of Water, Salt Lake City, Utah, April 4, 2013

2012 "Advancing Personalized Health Care through Innovation"
Engineering Breakfast Forum, Alta Club, Salt Lake City, Utah, October 4, 2012

2012 "Making the Case for Diversity"
Green River Conference on Corporate Governance Keynote, Salt Lake City, Utah, Sept 26, 2012

2012 "Ensuring Healthy Aging"
Annual Conference of Aging Alliance keynote, Salt Lake City, Utah, September 25, 2012

2012 "Advancing Personalized Health Care through Innovation"
Women's Tech Council, Salt Lake City, Utah, July 19, 2012

2012 "Advancing Personalized Health Care through Innovation"
Town Club lecture, Salt Lake City, Utah, July 18, 2012

2012 "Engaging Chinese-Americans in the Health Care Revolution"
Chinese Association for Science and Technology keynote, Salt Lake City, Utah, March 3, 2012

2012 "Innovations in Academic Medicine"
Utah Women's Forum lecture, Salt Lake City, Utah, February 29, 2012

ACADEMIC RADIOLOGY (*Radiology italicized*)

Contributions at Society Meetings (Academic Radiology)

1999 *Moderator of Scientific Session on Cardiac Perfusion, RSNA*

2001 *Moderator, "Clinical MR Angiography", International Society for Magnetic Resonance in Medicine*

2002 *Moderator, "Renal Transplant Imaging" and "Cardiac MR", RSNA*

2003 *Co-Organizer, "Cardiac MRI" Weekend course, International Society for Magnetic Resonance in Medicine (ISMRM)*
Co-Organizer, "Emerging Body MRI" Morning categorical course, International Society for Magnetic Resonance in Medicine
Moderator, "Functional Renal MRI", International Society for Magnetic Resonance in Medicine

2003 *Moderator, "Functional Renal Imaging" and "Cardiac MR/CT", RSNA*

2005-2006 *Organizer, "Clinical MRI for Physicians: From Physics to Protocols", Weekend course, International Society for Magnetic Resonance in Medicine*

2006 *Moderator, "Cardiac Imaging (Multimodal)", RSNA*

2008 *Organizer and Moderator, "Clinical Science for Physicists and Engineers", morning categorical course*

2009 *Moderator, "Nephrogenic Systemic Fibrosis Update", International Society for Magnetic Resonance in Medicine Plenary*
Moderator, "Systemic Vascular Diseases", International Society for Magnetic Resonance in Medicine
Moderator, "MRA: Low Dose to No Dose", International Society for Magnetic Resonance in Medicine
2010 *Moderator, "Peripheral MRA", MR Angiography Club*
2011 *Organizer and Moderator, "Clinical Needs and Research Promises: In Practice"*
Plenary, International Society for Magnetic Resonance in Medicine

Invited Lectureships and Visiting Professorships (Academic Radiology)

2019 *52nd Annual Hampton Lecture, Massachusetts General Hospital, Boston, MA*
"Imaging, Big Data, and the Journey to Value Driven Care," March 15, 2019

2018 *Carl Ravin Lecturer; Radiology Grand Rounds, Duke University, Durham, NC*
"Artificial and Real Intelligence in Radiology" December 13, 2018

2014 *Radiology Grand Rounds, Stanford University, Palo Alto, CA*
"Imaging all the People. Radiology in the Era of Health Care Reform", Jan 2014

2013 *Visiting Professor, Grand Rounds, M.D. Anderson Cancer Hospital, Houston, Texas*
"MRI: From Science to Society"

2011 *Visiting Professor, Mt Sinai School of Medicine, New York*
"Functional Imaging of the Kidneys: Clinical Applications", "Cardiac Case Conference", "Pelvic Case Conference", May 2011

2011 *Visiting Professor, Case Western Reserve University, Cleveland*
"Non-Contrast-Enhanced MR Angiography", Mar 2011

2011 *James L. Clements Lecturer in Abdominal Imaging, Emory University*
"Functional Imaging of the Kidneys: Clinical Applications", "Cardiovascular Case Conference", "Cirrhosis Case Conference" Mar 2011

2010 *Visiting Professor, Yongsei University Cardiovascular Hospital*
"Non-Contrast-Enhanced MR imaging of the vasculature: New Frontiers", Oct 2010

2010 *Visiting Professor, Auckland Institute of Technology, New Zealand*
"Technology and Innovation: Engines for Biomedical Research", August 2010

2010 *Distinguished Visiting Professor, Auckland University, New Zealand*
"Renal MRI: Form to Function", August 2010

2010 *Visiting Professor, Massachusetts General Hospital, Boston*
"Non-Contrast-Enhanced MR Angiography", "Cirrhosis: Case Conference", April 2010

2010 *Visiting Professor, Johns Hopkins University, Department of Biomedical Engineering*
"Non-Contrast-Enhanced MR Angiography: New Frontiers", February 2010

2009 *Visiting Professor, Mayo Clinic (Rochester), Departments of Radiology and Medicine*

"Renal MRI: Form to Function", —Non-Contrast-Enhanced MR Angiography",
"Cirrhosis: Case Conference", November 2009

2009 *Innovators Award Lecture, NYU-Polytechnic Institute, Brooklyn, NY*
"Technology & Innovation: Engines for Biomedical Research"

2006 *Visiting Professor, Columbia University Division of Nephrology*
"Renal MRI: From Form to Function", October 2006

2006 *Visiting Professor, University of Maryland*
"Renal MRI: Beyond Anatomy to Function" Grand Rounds, September 2006

2006 *Visiting Professor, Yale University*
"Liver MRI: Cirrhosis", to the MRI Research Division
"Renal MRI: From Form to Function", Grand Rounds, September 2006

2005 *Visiting Professor, Columbia University*
"Renal MRI: Beyond Anatomy to Function", Resident Conference, October 2005

2005 *Earl Miller Lecturer, University of California at San Francisco*
"Renal MRI: Moving Beyond Anatomy to Function", Resident Conference, August 2005

2005 *Visiting Professor, Duke University*
"Cardiac MRI: State-of-the-Art" and Resident Case Conference, June 2005

2005 *Renal Transplant Conference, NYU*
MR of Acute Renal Transplant Dysfunction, April 2005

2005 *Nephrology Conference, NYU*
"Functional Renal MRI", April 2005

2003 *Visiting Professor, Columbia University*
"Cardiac MR: State of the Art", Resident Case Conference, September 2003

2003 *Visiting Professor, Downstate Medical Center*
"Peripheral MR Angiography: State-of-the-art", May 2003

2003 *Nephrology Conference, NYU*
"MR Renography", Feb 2003

2002 *Visiting Professor, Yale University Medical School*
"Volumetric MR Imaging of the Liver", May 2002

2002 *Visiting Professor, New York Downstate Medical College*
"Cardiac MRI: Recent Advances", April 2002

2002 *DC Metropolitan Radiological Society*
Cardiac MR Imaging: Recent Advances, March 2002

2001 *Visiting Professor, Long Island Jewish Hospital*

Resident conferences and Grand Rounds, November 2001

2001 *Visiting Professor, Hong King Hospital Authority*
Hong Kong Hospital Authority Commissioned Training Program for Radiologists
Joint Meeting of the Hong Kong Society of Radiologists and the Hong Kong College of Radiologists, October 2001

2001 *Visiting Professor, Beth-Israel Deaconess Hospital*
"Cardiac MRI: Recent developments", September 2001

2001 *Visiting Professor, Long Island Hospital*
Grand Rounds and Resident Conference, June 2001

2001 *Visiting Professor, University of Connecticut*
Grand Rounds and Resident Conference, April 2001

2001 *Cardiology Grand Rounds, NYUMC*
"New Advances in Cardiovascular MR Imaging", January 2001

2001 *Nephrology Grand Rounds, NYUMC*
"Comprehensive MR Evaluation of Renovascular Disease: Works in Progress", Jan 2001

1999 *Visiting Professor, Department of Physiology and Biophysics, Cornell Medical School*
"A Comprehensive MR Evaluation of Renovascular Disease", March 1999

1998 *Pulmonary Grand Rounds, Bellevue Hospital*
"Cardiothoracic Magnetic Resonance Imaging", June 1998

State, National and International Conference Invited Lectures (Academic Radiology)

2015 *International Society for Magnetic Resonance in Medicine Workshop on Non-Contrast Cardiovascular MRI*
"Cardiovascular MRA: The How & Why" (keynote), March 2015, Long Beach, CA

2012 *UCAIR Symposium*
"MRI: From Science to Society" (keynote), November 2012, Salt Lake City, UT

2012 *International Society for Magnetic Resonance in Medicine Annual Meeting*
Educational Faculty Speaker, "Goodbye to Gad: State-of-the-Art NCE-MRA",
"Who Wants to be a Radiologist" Game Show presenter, May 2012, Melbourne, Australia

2012 *International Society for Magnetic Resonance in Medicine Annual Meeting*
"MRI: from Science to Society" Lauterbur Lecture (keynote), May 2012, Melbourne, Australia

2011 *Alta Club*
"MRI: From Science to Society", November 2011, Salt Lake City, UT

2011 *International Society for Magnetic Resonance in Medicine Annual Meeting*
"Non-Contrast-Enhanced MRA", Weekend course, May 2011

2010 *MR Angiography Club*
"Non-Contrast-Enhanced MRA: New Frontiers", Oct 2010

2010 *15th Annual Turkish Society of Magnetic Resonance (TSMR) Meeting, Antalya*
"MR Measurements of Renal Function: New Techniques and Applications", "MRI of Focal Abnormalities in Cirrhosis: A Case-Based Approach", "Cardiac MRI: Physics to Protocols", "Non-Gd MRA", May 2010

2010 *International Society for Magnetic Resonance in Medicine Annual Meeting*
"Functional Renal MRI", Scientific Session Overview speaker, May 2010

2008 *International Society for Magnetic Resonance in Medicine Annual Meeting*
"Kidney Function and Failure", Morning Categorical, May 2008

2006 *Radiological Society of North America Annual Meeting*
"Cardiac MRI: Physics to Protocols", "Parallel Imaging Made Easy", "MR Renography and Urography", Refresher Courses, November 2006

2005 *American Society of Nephrology Annual Meeting*
"Modern Imaging Approaches to Evaluating Renal Function", November 2005

2005 *Radiological Society of North America Annual Meeting*
"Cardiac MRI: Physics to Protocols", "Parallel Imaging Made Easy", Refresher Courses, November 2005

2005 *International Society for Magnetic Resonance in Medicine Annual Meeting*
"Cardiac MRI—Protocols", Weekend course, May 2005
Outstanding Teacher Award

2005 *Indian Radiological and Imaging Association*
"Comprehensive MRI of Kidney" and "MR-Technique and application in diffuse liver diseases", Agra, India, January 2005

2003 *International Society for Magnetic Resonance in Medicine Annual Meeting*
"Functional Renal MRI", Advanced Body MR Course, July 2003

2002 *International Society for Magnetic Resonance in Medicine Annual Meeting*
"Renal Function and Hypertension", Advanced Body MR Course
"MRA Post-Processing", MR Angiography Course
"Volumetric Body MRI", Emerging Body MRI Applications, May 2002

2001 *International Society for Magnetic Resonance in Medicine Annual Meeting*
Advanced Body MR Course: "Hepatic MRI – Advanced 3D Imaging"

Emerging Body Applications Course: "Perfusion MR in the Abdomen", April 2001

2001 *Society of Cardiovascular and Interventional Radiology*
Plenary session: "Cardiac MRI: Use it or Lose it", March 2001

2000-2001 *Radiological Society of North America Annual Meeting*
"Renal MR Angiography", Refresher Course, November 2000, 2001

2000 *Royal Australia New Zealand College of Radiology Meeting*
"Volumetric MR Imaging of the Liver", "MRI/MRA of the Thoracic Aorta", "Pre-operative Imaging of the Liver: What Your Surgeon Needs to Know", "Peripheral MR Angiography", "How to Optimise MR Angiography" (Workshop), October 2000

2000 *New York Cardiovascular MR Society*
"Comprehensive MR Evaluation of Renovascular Disease", April 2000

2000 *International Society for Magnetic Resonance in Medicine Annual Meeting*
"Cardiothoracic MRI", Introductory Clinical MRI Course, April 2000

1999-2001 *Radiological Society of North America Annual Meeting*
"Practical Cardiac MR: Principles, Pearls and Protocols for Success"; Refresher Course, with D.A. Bluemke, November 1999, 2000, 2001

1999 *International Society for Magnetic Resonance in Medicine Annual Meeting*
"Practical Cardiothoracic MRI"; Introductory Clinical MRI Course, May 1999

1999 *Society for Magnetic Resonance Technologists, International Society for Magnetic Resonance in Medicine/SMRT Annual Meeting*
"Contrast-Enhanced Magnetic Resonance Angiography"; May 1999

1997 *American College of Radiology, North Carolina Chapter*
"Parathyroid Gland Imaging Update", April 1997

CME (Academic Radiology) Lectures

2010 *CT/MRI Head to Toe (NYU)*
"Focal Liver Lesions in Cirrhosis", December 2010

2010 *Clinical MRI State of the Art (NYU)*
"Renal MRI: Form to Function", "Focal Liver Lesions: Case Based", October 2010

2010 *Summer Radiology Symposium, Lake George, NY*
"Cardiac MRI: Principles to Practice", "Cardiac MRI: Case Conference", "Non-Gd MRA and NSF", "Renal MRI: Form to Function", June 2010

2009 *Summer Radiology Symposium, Chatham, MA*

"Liver Masses: Case-based approach", "MR of Kidneys: Form to function", "Cardiac MRI: A Primer", "Non-Gd MRA and an Updates on NSF", "Pelvic MR: Cases", June 2009

2008 *Summer Radiology Symposium, Chatham, MA*
"From Cirrhosis to HCC: The Challenges", "MR Evaluation of Renal Masses: A Case-Based Approach", "Cardiac MRI: Case Based Review", June 2008

2008 *Clinical State-of-the-Art Lectures (NYU)*
"Renal MRA: From Anatomy to Function, MRI Program", "MRI of Focal Liver Lesions: A case based approach", September 2008

2007 *Society for Computed Body Tomography/Magnetic Resonance 17th Summer Practicum, Banff, Canada*
"Cardiac MRI: Viability Imaging & Applications", "MR Flow in Cardiovascular Imaging", 'Peripheral MRA", August 2007

2007 *University of Pennsylvania Martha's Vineyard Course*
"Cardiac MR: Practical Tips & Protocols", "Cardiac MR: Case Based Session", "Cutting Edge MRA: The Latest Advances", "MR of the Liver and Biliary System", "Vascular MR: Pearls and Pitfalls"

2007 *Advances in MR & CT, 8th International Course, Barcelona*
"New Advances in Cardiac MRI: Parallel Imaging and 3T", "MRI of Cardiac Viability", "Phase Contrast Flow Quantification: Doppler MRI", "Case of the Day", May 2007

2007 *Imaging Essentials on St. Maarten (NYU)*
"Cirrhosis and its Mimics", "MRCP: Techniques and Applications", "Renal MRI Problem Solving: A Case Based Approach", "Peripheral MRA: Techniques and Applications", April 2007

2006 *National Diagnostic Imaging Symposium, Orlando*
"Cardiac MRI: Pearls and Principles", "Cardiac Viability", December 2006

2006 *Using an Integrated Approach in Evaluating Cardiothoracic Disease (NYU)*
"Cardiac MRI: Practical Tips", "Cardiac Viability Using MRI", "Phase Contrast Flow Quantification: Doppler MRI", "Cardiac MRI: New Frontiers"

2006 *Society for Computed Body Tomography/Magnetic Resonance 16th Summer Practicum, Quebec City "Cardiac MRI: Practical Tips and Protocols", "Body Imaging at 3T, "Is it as Good as 1.5T?", "Renal MRI and MRA", August 2006*

2006 *Imaging Essentials: From the Head to the Toe (NYU)*
"Renal Masses: Pearls and Pitfalls", "Pelvic MRI: Case Conference", "Cardiovascular Case Conference", "MRCP: Pearls and Pitfalls", February 2006

2005 *CT/MRI Head to Toe (NYU)*
"MRI of Focal Liver Lesions: A Case Based Approach", December 2005

2005 *MRI: Clinical State of the Art (NYU)*

"Renal MRI/MRA: A Case Based Approach", "MRI at 3T: Is it really twice as good? November 2005

2005 *Frontiers in Body & Musculoskeletal Imaging (NYU)*
"Liver MRI in Practice: A Case-Based Approach", "Renal MRA: Practical Tips", "Cardiac MRI: What you need to know", "MRA of the Thoracic Aorta", "Cardiovascular MR Quiz", March 2005

2005 *NYU Transplantation Conference (NYU)*
"Pre-Operative Evaluation of Living Liver Donor Candidates", February 2005

2005 *Body Imaging Essentials in Costa Rica (NYU)*
"MR Imaging of Cirrhosis and its Mimics", "Renal Masses: Interpretation and Pitfalls", Body and Cardiovascular MRI Cases", "Peripheral MRI", "Recent Advances in Body MRI", "Practical Cardiac MRI", February 2005

2004 *MRI: Clinical State of the Art (NYU)*
"Sense and Smash: Parallel Imaging Techniques for Body MRI", November 2004

2004 *Clinical Cardiac Imaging 2004: CT AND MR (Harvard/MGH)*
"Cardiac MRI: What You Need to Know", "Cardiac MR Cases", "Doppler MRI: Phase Contrast MR", September 2004

2004 *Society for Computed Body Tomography/Magnetic Resonance 14th Summer Practicum, Whistler, Canada*
"Practical Cardiac MRI", "MRA Pearls and Pitfalls", "Liver MRI: State of the Art", August 2004

2004 *Summer Body and Musculoskeletal Imaging Conference (NYU)*
"Practical Cardiac MRI", "Cardiovascular MR Cases", "MR Angiography Pearls and Pitfalls", "Comprehensive Renal MRI", Banff, July 2004

2003 *CT/MRI Head to Toe (NYU)*
"Practical Cardiac MRI", December 2003

2003 *MRI/CT Update (Harvard-Brigham and Women's Hospital)*
"Liver MRI: State of the Art", "MR Angiography: Pearls and Pitfalls", "Practical Cardiac MRI"

2003 *MRI: Clinical State of the Art (NYU)*
"Functional Renal MRI and MRA"; "Interesting Cardiovascular MR Cases", October 2003

2003 *MRI in Clinical Practice, Snowmass (NYU)*
"Renal MR Angiography", "Practical Cardiac MRI: Principles and Pearls", "Pearls and Pitfalls of Gadolinium-enhanced MRA", "MR Venography", March 2003

2002 *CT/MRI Head to Toe (NYU)*
"Renal MRA: More than just plumbing?", "MRCP", "Cardiac MR, The Basics Workshop", December 2002

2002	*Society for Computed Body Tomography/Magnetic Resonance Noninvasive Cardiac and Vascular Imaging Symposium* *"Renal MRA", "Interesting Cardiac MR Cases", October 2002*
2002	*MRI: Clinical State of the Art (NYU)* *"Practical Cardiac MR Imaging", "Interesting Body MR Cases", October 2002*
2002	*Society for Computed Body Tomography/Magnetic Resonance 12th Summer Practicum* *"Basic Cardiac MR", "MR Venography", "Pelvic MR Workshop", August 2002*
2001	*CT/MRI Head to Toe (NYU)* *"The Comprehensive Renal MR Examination" The Morton A. Bosniak Lecture* *"Practical Cardiac MRI", "How to Optimize Body MRA" and "Cardiac MR Cases" Workshops, December 2001*
2001	*MRI: Clinical State of the Art (NYU)* *"Optimization of Gadolinium-Enhanced MRA"* *"Cardiac MR Imaging: Technique and Clinical Applications, Part 1", October 2001*
2001	*Advances in MR & CT, 6th International Course, Barcelona* *"Preoperative Imaging of the Liver-What Your Surgeon Needs to Know", "Comprehensive MR Evaluation of Renovascular Disease", "Cardiac MRI: New Practical Protocols", "Coronary `MRA/CTA and Calcium Scoring", "Workshop: Cardiac MRI", May 2001*
2001	*Imaging Ducts, Vessels, and Volumes: The New Approach* *"MRCP Biliary Tract", "MRI/MRA Thoracic Aorta", "Renal MRA", "Volumetric MR Imaging of the Chest", Verona, May 2001*
2001	*MRI in Clinical Practice, Snowmass (NYU)* *"MRI of the Liver: What Your Surgeon Needs to Know", "Pearls and Pitfalls of Gadolinium-Enhanced MRA", "Renal MR Angiography: A Comprehensive Evaluation", March 2001*
2001	*NYU Update in Liver Transplantation* *"MR Imaging of the Liver Donor", February 2001, with M.T. Lavelle*
2000	*CT/MRI Head to Toe (NYU)* *"Coronary CTA, Coronary MRA and Coronary Calcium Scoring", "Renal MRA", "Body MRI: Pearls and Pitfalls" Workshop with M.T. Lavelle, "Cardiac MRI" Workshop, December 2000*
2000	*MRI: Clinical State of the Art (NYU)* *"Renal MR Angiography: Comprehensive Evaluation of Renovascular Disease"* *"Practical Cardiac MR Imaging", September 2000*
2000	*NYU Update in Liver Transplantation* *"Pre-Transplant Imaging of the Recipient and Donor", with N. Rofsky, February 2000*

1999	*CT/MRI Head to Toe, (NYU)* *"Pre-Operative Imaging of the Liver: What Your Surgeon Needs to Know"* *"Body MRI: Pearls and Pitfalls Workshop", December 1999*
1999	*MRI: Clinical State of the Art (NYU)* *"Renal MR Angiography", "Cardiac MR", "Instructional Body MRI Cases" Workshop, October 1999*
1998	*MRI: Clinical State of the Art (NYU)* *"Practical Cardiac MR Imaging", "Instructional Cases in Body MR Imaging" Workshop, October 1998*
1998	*Radiology Review Course, University of Texas Southwestern* *"Renovascular Disease—Can MR do it all?", "MR Angiography of the Extremities", "Cardiothoracic MR Imaging", October 1998*
1997	*CT/MRI Head to Toe (NYU)* *"Techniques for Abdominal MR: Tricks of the Trade", December 1997*
1997	*MRI: Clinical State of the Art (NYU)* *"Interesting Cases Workshop", October 1997*

Bibliography

Peer-Reviewed Publications

1. **Lee VS**, Tarassenko L, Bellhouse BJ. Platelet transfusion therapy: Platelet concentrate preparation and storage. J Lab Clin Med 1988; 111:371-83.

2. **Lee VS**, Tarassenko L. Absorption and multiple scattering by suspensions of aligned red blood cells. J Opt Soc Am (A*)* 1991; 8:1135-41.

3. **Lee VS**, Tarassenko L, Bellhouse BJ. Quantitative optical determination of the viability of platelet concentrates. J Biomed Eng 1992; 14:27-32.

4. **Lee VS**, Tarassenko L. An optical method for the determination of platelet count in platelet samples contaminated with red blood cells. J Biochem Biophys Methods 1992; 24:215-23.

5. Lee ET, **Lee VS**, Lu M, Russell D. Development of proliferative retinopathy in NIDDM. A follow-up study of American Indians in Oklahoma. Diabetes 1992; 41:359-67.

6. Lee ET, **Lee VS**, Kingsley RM, Lu M, Russell D, Asal NR, Wilkinson CP, Bradford RH Jr. Diabetic retinopathy in Oklahoma Indians with NIDDM. Diabetes Care 1992; 15:1620-27.

7. Lee JS, Lu M, **Lee VS**, Russell D, Bahr C, Lee ET. Lower-extremity amputation. Incidence, risk factors, and mortality in the Oklahoma Indian Diabetes Study. Diabetes 1993; 42:876-82.

8. **Lee VS**, Thompson NW, Cho KJ, Goldblum JR. High-output cardiac failure: An unusual manifestation of intravenous leiomyomatosis. Surgery 1993; 113:466-70.

9. **Lee VS**, Chari RS, Cucchiaro G, Meyers WC. Complications of laparoscopic cholecystectomy. Am J Surg 1993; 165:527-32.

10. **Lee VS**, Kingsley RM, Lee ET, Lu M, Russell D, Asal NR, Bradford RH, Wilkinson CP. The diagnosis of diabetic retinopathy - Ophthalmoscopy versus fundus photography. Ophthalmology 1993; 100:1504-1512.

11. **Lee VS**, Paulson EK, Libby E, Flannery JE, Meyers WC. Cholelithoptysis and cholelithorrhea: Rare complications of laparoscopic cholecystectomy. Gastroenterology 1993; 105:1877-1881.

    Response to letter to Editor: **Lee V**, Meyers WC. An earlier report of cholelithoptysis. Gastroenterology 1994;106:1400.

12. Lee ET, **Lee VS**, Lu M, Lee JS, Russell D, Yeh J. Incidence of renal failure in NIDDM. The Oklahoma Indian Diabetes Study. Diabetes 1994; 43:572-579.

13. **Lee VS**, Patz EF Jr, Chen JTT. Atypical and unusual calcifications of the heart and great vessels: Imaging findings. AJR 1994; 163:1349-1355.

14. **Lee VS**, Provenzale JM, Fuchs HE, Osumi A, McLendon RE. Post-traumatic epidermoid cyst: CT appearance. J Comput Assist Tomogr 1995; 19:153-155.

15. **Lee VS**, Wilkinson RH Jr, Leight GS Jr, Coogan AC, Coleman RE. Hyperparathyroidism in high-risk surgical patients: evaluation with double phase technetium 99m-sestamibi imaging. Radiology 1995; 197:627-633.

    Excerpted in the Yearbook of Nuclear Medicine, A. Gottschalk, ed., St. Louis: Mosby, 1997, p.130-132, with commentary by M.D. Blaufox.

16. **Lee VS**, Webb MS Jr, Martinez S, McKay CP, Leight GS Jr. Uremic leontiasis ossea: 'Bighead' disease in humans? Radiologic, clinical, and pathologic features. Radiology 1996; 199:233-240.

17. Smith TP, **Lee VS,** Hudson ER, Newman GE, Suhocki PV, McDermott VG, Stackhouse DJ. Prospective evaluation of pulmonary artery pressures during pulmonary angiography performed with low-osmolar nonionic contrast media. J Vasc Interv Radiol 1996; 7:207-212.

18. **Lee VS**, Flyer MC, Weinreb JC, Krinsky GA, Rofsky NM. Image subtraction in gadolinium-enhanced magnetic resonance imaging. AJR 1996; 167:1427-1432.

19. **Lee VS**, Spritzer CE, Leight GS Jr, Coogan AC. The complementary roles of fast spin-echo MR imaging and double-phase 99mTc-sestamibi scintigraphy for localization of hyperfunctioning parathyroid glands. AJR 1996; 167:1555-1562.
20. **Lee VS**, Martinez S, Coleman RE. Primary muscle lymphoma: Clinical and imaging findings. Radiology 1997; 203:237-244.

21. **Lee VS**, Spritzer CE, Carroll BA, Pool LG, Bernstein MA, Heinle SK, MacFall JR. Flow quantification using fast cine phase-contrast MR imaging, conventional cine phase-contrast MR imaging, and Doppler sonography: In vitro and in vivo validation. AJR 1997; 169:1125-1131.

22. **Lee VS**, Martinez S. Clinical vignette: Leontiasis ossea in secondary hyperparathyroidism. J Bone Min Research 1997; 12:1952-1953.

23. **Lee VS**, Spritzer CE. MR imaging of abnormal parathyroid glands. AJR 1998; 170:1097-1103.

24. **Lee VS**, Lee HM, Rofsky NM. Magnetic resonance angiography of the hand: A review. Invest Rad 1998; 33:687-698.

25. Krinsky GA, Kaminer E, **Lee VS**, Rofsky NM, Weinreb JC. The effects of apnea on timing examinations for optimization of gadolinium-enhanced MR angiography of the thoracic aorta and arch vessels. J Comput Assist Tomogr 1998; 22:677-681.

26. **Lee VS**, Rofsky NM, Krinsky GA, Stemerman DH, Weinreb JC. Single-dose breath-hold gadolinium-enhanced three-dimensional MR angiography of the renal arteries: Effects of injection rate, patient circulation time and breath-holding on study quality. Radiology 1999; 211:69-78.

27. Roche KJ, Krinsky G, **Lee VS**, Rofsky N, Genieser NB. Interrupted aortic arch: Diagnosis with gadolinium-enhanced 3D MRA. J Comput Assist Tomogr 1999; 23:197-202.

28. Diaz-Candamio MJ*, **Lee VS**, Golimbu CN, Scholes JV, Rofsky NM. Intrafibular varix: MR diagnosis. J Comput Assist Tomogr 1999; 23:328-330.

29. Krinsky GA, Reuss PM, **Lee VS**, Carbognin G, Rofsky NM. Thoracic aorta: Comparison of single-dose breath-hold and double-dose nonbreath-hold gadolinium-enhanced three-dimensional MR angiography. AJR 1999; 173:145-50.

30. **Lee VS**, Hertzberg BS, Kliewer MA, Carroll BA. Assessment of stenosis: Implications of variability of Doppler measurements in normal-appearing carotid arteries. Radiology 1999; 212:493-498.

    Response to letter to Editor: Sheiman R, **Lee VS**, Hertzberg BS, Kliewer MA, Carroll BA. Arterial doppler US: Disturbing conservation of erroneous terms (multiple letters). Radiology. 2000;217:919.

31. Krinsky GA, **Lee VS**, Rofsky NM, Roy M-C, Colvin S, Galloway A. Atypical presentation of dissection of the ascending aorta in young men with cystic medial necrosis: MR findings. Clin Imaging 1999; 23(5):289-294.

32. Rofsky NM, **Lee VS**, Laub G, Pollack MA, Krinsky GA, Thomasson D, Ambrosino MM, Weinreb JC. Abdominal MR imaging with a volumetric interpolated breath-hold examination. Radiology 1999; 212:876-884.

33. Davey NC, Smith TP, Hanson MW, **Lee VS**, Stackhouse DJ, Coleman RE. Ventilation-perfusion lung scintigraphy as a guide for pulmonary angiography in the localization of pulmonary emboli. Radiology 1999; 213:51-57.

34. Rofsky NM, Morana G, Adelman MA, **Lee VS**, Krinsky GA. Improved gadolinium-enhanced subtraction MR angiography of the femoropopliteal arteries: Reintroduction of osseous anatomic landmarks. AJR 1999; 173:1009-1011.

35. Stemerman DH, Krinsky GA, **Lee VS**, Johnson G, Yang BM, Rofsky NM. Thoracic aorta: Rapid black-blood MR imaging with half-Fourier rapid acquisition with relaxation enhancement with or without electrocardiographic triggering. Radiology 1999; 213:185-191.

36. Kutz SM, **Lee VS,** Tunick PA, Krinsky GA, Kronzon I. Atheromas of the thoracic aorta: A comparison of transeophageal echocardiography and breath-hold gadolinium-enhanced 3-dimensional magnetic resonance angiography. J Am Soc Echocardiography 1999; 12:853-858.

37. Shinde TS*, **Lee VS,** Rofsky NM, Krinsky GA, Weinreb JC. Three-dimensional gadolinium-enhanced MR venographic evaluation of central veins in the thorax: Initial experience. Radiology 1999; 213:555-560.

38. **Lee VS**, Hertzberg BS, Workman MJ, Smith TP, Kliewer MA, DeLong DM, Carroll BA. Variability of Doppler US measurements along the common carotid artery: Effects on estimates of internal carotid arterial stenosis in patients with angiographically proved disease. Radiology 2000; 214:387-392. PMCID: 10671585

39. **Lee VS**, Rofsky NM, Ton AT, Johnson G, Krinsky GA, Weinreb JC. Angiotensin-converting enzyme inhibitor-enhanced phase-contrast MR imaging to measure renal artery velocity waveforms in patients with suspected renovascular hypertension. AJR 2000; 174:499-508.

40. Krinsky GA, **Lee VS**, Rofsky NM, Roy MC, Colvin S, Galloway A. Atypical presentation of dissection of the ascending aorta in young men with cystic medial necrosis: MR findings. Clin Imaging 2000; 23:289-294. PMCID: 10665445

41. Krinsky GA, **Lee VS**, Theise ND. Focal lesions in the cirrhotic liver: high resolution ex vivo MRI with pathologic correlation. J Comput Assist Tomogr 2000; 24:189-96. PMCID: 10752877

42. Tunick PA, Krinsky GA, **Lee VS**, Kronzon I. Diagnostic imaging of thoracic aortic atherosclerosis. AJR 2000; 174:1119-25.

43. **Lee VS**, Lavelle MT, Rofsky NM, Laub G, Thomasson D, Krinsky GA, Weinreb JC. Hepatic MR imaging with a dynamic contrast-enhanced isotropic volumetric interpolated breath-hold examination: Feasibility, reproducibility, and technical quality. Radiology 2000; 215:365-372. PMCID: 10796909

44. **Lee VS**, Martin DJ, Krinsky GA, Rofsky NM. Gadolinium-enhanced MR angiography: Artifacts and pitfalls. AJR 2000; 175:197-205. PMCID: 10882274

45. Diaz-Candamio MJ*, **Lee VS**, Rofsky NM, Krinsky GA, Weinreb JC. Pelvic arteriovenous malformations: Gadolinium-enhanced three-dimensional MR angiography findings. Eur Radiol 2000; 10:1257-1260. PMCID: 10939485

46. Krinsky GA, Nguyen MT, **Lee VS**, Rosen RJ, Goldenberg A, Theise ND, Morgan G, Rofsky NM. Dysplastic nodules and hepatocellular carcinoma: sensitivity of digital subtraction hepatic arteriography with whole liver explant correlation. J Comput Assist Tomogr 2000; 24:628-634. PMCID: 10966200

47. Krinsky GA, **Lee VS**. MR imaging of cirrhotic nodules. Abdom Imaging 2000; 25:471-482.

48. Krinsky GA, **Lee VS**, Nguyen MT, Rofsky NM, Thiese ND, Morgan GR, Teperman LW, Weinreb JC. Siderotic nodules at MR imaging: Regenerative or dysplastic? J Comput Assist Tomogr 2000; 24:773-776. PMCID:11045701

49. Krinsky GA, **Lee VS**, Nguyen MT, Rofsky NM, Theise ND, Morgan GR, Teperman LW, Weinreb JC. Siderotic nodules in the cirrhotic liver at MR imaging with explant correlation: No increased frequency of dysplastic nodules and hepatocellular carcinoma. Radiology 2001; 218:47-53. PMCID: 11152778

50. Lavelle MT*, **Lee VS**, Rofsky NM, Krinsky GA, Weinreb JC. Dynamic contrast-enhanced 3D MR imaging of liver parenchyma: Accuracy of angiographic reconstructions to define hepatic arterial anatomy. Radiology 2001; 218:389-394. PMCID: 11161151

51. **Lee VS**, Rofsky NM, Morgan GR, Teperman LW, Krinsky GA, Berman P, Weinreb JC. Volumetric mangafodipir trisodium-enhanced cholangiography to define intrahepatic biliary anatomy. AJR 2001; 176:906-908. PMCID: 11323471

52. Krinsky GA, **Lee VS**, Theise ND, Weinreb JC, Rofsky NM, Diflo T, Teperman LW. Hepatocellular carcinoma and dysplastic nodules in patients with cirrhosis: prospective diagnosis with MR imaging and transplant correlation. Radiology 2001; 219:445-454.

53. **Lee VS**, Morgan GR, Teperman LW, John D, Diflo T, Pandharipande PV, Berman P, Lavelle M, Krinsky GA, Rofsky NM, Schlossberg P, Weinreb JC. MR imaging as the sole preoperative imaging modality for right hepatectomy: A prospective study of living adult-to-adult transplant donor candidates. AJR 2001; 176:1475-1482. PMCID: 11373217

54. Krinsky GA, Freedberg R, **Lee VS**, Rockman C, Tunick PA. Innominate artery atheroma: A lesion seen with gadolinium-enhanced MR angiography and often missed by transesophageal echocardiography. Clin Imaging 2001; 25:251-7. PMCID: 11566085

55. Rusinek H, **Lee VS**, Johnson G. Optimal dose of Gd-DTPA in dynamic MR studies. Magn Reson Med 2001; 46:312-316.

56. Wetzel SG*, **Lee VS**, Tan A, Heid O, Johnson G, Rofsky NM. Real-time interactive duplex MR: application in neurovascular imaging. AJR 2001; 177:703-707. PMCID: 11517079

57. Pandharipande PV*, **Lee VS**, Morgan GR, Teperman LW, Krinsky GA, Rofsky NM, Roy MC, Weinreb JC. Vascular and extravascular complications of liver transplantation: Comprehensive evaluation with three-dimensional contrast-enhanced volumetric MR imaging and MR cholangiopancreatography. AJR 2001; 177:1101-1107.

58. **Lee VS**, Lavelle MT, Krinsky GA, Rofsky NM. Volumetric MR imaging of the liver and applications. Magn Reson Imaging Clin N Am 2001; 9:697-716. PMCID: 11694434

59. **Lee VS**, Rusinek H, Johnson G, Rofsky NM, Krinsky GA, Weinreb JC. MR renography with low-dose gadopentetate dimeglumine: feasibility. Radiology 2001; 221:371-379. PMCID: 11687678

60. **Lee VS**, Resnick D, Bundy JM, Simonetti OP, Lee P, Weinreb JC. Cardiac function: MR evaluation in one breath hold with real-time true fast imaging with steady-state precession. Radiology 2002; 222:835-842. PMCID: 11867810

61. Krinsky GA, Zivin SB, Thorner KM, **Lee VS**, Theise ND, Weinreb JC. Low-grade siderotic dysplastic nodules: Determination of premalignant lesions on the basis of vascular phenotype. Acad Radiol 2002; 9:336-341. PMCID: 11887948

62. Braga HJV, Choti MA, **Lee VS**, Paulson EK, Siegelman ES, Bluemke DA. Liver lesions: manganese-enhanced MR and dual-phase helical CT for preoperative detection and characterization. Comparison with receiver operating characteristic analysis. Radiology 2002; 223:525-531.

63. Wetzel SG, Johnson G, Tan AG, Cha S, Knopp EA, **Lee VS**, Thomasson D, Rofsky NM. Three-dimensional, T1-weighted gradient-echo imaging of the brain with a volumetric interpolated examination. AJNR 2002; 23:995-1002.

64. Israel G, Krinsky G, **Lee V**. The "skinny aorta". Clin Imaging 2002; 26:116-121.

65. Israel GM, **Lee VS**, Edye M, Krinsky GA, Lavelle MT, Diflo T, Weinreb JC. Comprehensive MR imaging evaluation of living donor candidates of laparoscopic nephrectomy: Initial experience. Radiology 2002; 225:427-432. PMCID: 12409576

66. Rubinowitz AN, Krinsky GA, **Lee VS**. Intramural hematoma of the ascending aorta secondary to descending thoracic aortic penetrating ulcer: findings in two patients. J Comput Assist Tomogr 2002; 26:613-616. PMCID: 12218829

67. Pandharipande PV*, **Lee VS**, Reuss PM, Charles HW, Rosen RJ, Rofsky NM. Two-station bolus-chase MR angiography with a stationary table: A simple alternative to automated-table techniques. AJR 2002; 179:1583-1589.

68. Resnick D, Krinsky GA, **Lee VS**, Lavelle MT, Keogan MT, Morrin MM. Do patients with primary sclerosing cholangitis have a greater frequency of pancreatic abnormalities at MRI than patients with other chronic liver diseases? J Comput Assist Tomogr 2002; 26:994-999. PMCID: 12488749

69. Krinsky GA, **Lee VS**, Theise ND, Weinreb JC, Morgan GR, Diflo T, John D, Teperman LW. Transplantation for hepatocellular carcinoma and cirrhosis: Sensitivity of MR imaging. Liver Transplantation 2002; 8:1156-1164. PMCID: 12474156

70. Israel GM, **Lee VS**, Resnick D, Lavelle MT, Krinsky GA, Nitti V, Weinreb JC. Magnetic resonance evaluation of the urethra and lower genitourinary tract in symptomatic women. J Women's Imaging 2002; 4(4):165-172.

71. Huang AJ*, **Lee VS**, Rusinek H. MR imaging of renal function. Radiol Clin North Am. 2003; 41(5):1001-17.

72. **Lee VS**, Rusinek H, Noz M, Lee P, Raghavan M, Kramer EL. Dynamic three-dimensional MR renography for the measurement of single kidney function—Initial experience. Radiology 2003; 227:289-294. PMCID: 12615998

73. Wetzel SG, Law M, **Lee VS**, Cha S, Johnson G, Nelson K. Imaging of the intracranial venous system with a contrast-enhanced volumetric interpolated examination. Eur Radiology 2003; 13(5):1010-1018. PMCID: 12695822

74. **Lee VS**, Morgan JN, Tan AGS, Pandharipande PV, Krinsky GA, Barker JA, Lo C, Weinreb JC. Celiac artery compression by the median arcuate ligament: a pitfall of end-expiratory MR imaging. Radiology 2003; 228:437-442. PMCID: 12893901

75. **Lee VS**, Resnick D, Tiu SS, Sanger JJ, Nazzaro CA, Israel GM, Simonetti OP. MR imaging evaluation of myocardial viability in the setting of equivocal SPECT results with 99mTc sestamibi. Radiology 2004; 230:191-197.

76. Hahn WY, Israel GM, **Lee VS**. MRI of female urethral and periurethral disorders. AJR 2004; 182:677-682. PMCID: 14975969

77. Hecht EM*, Israel GM, Krinsky GA, Hahn WY, Kim DC, Belitskaya-Levy I, **Lee VS**. Renal masses: Quantitative analysis of enhancement with signal intensity measurements versus qualitative analysis of enhancement with image subtraction for diagnosing malignancy at MR imaging. Radiology 2004; 232:373-378. PMCID: 15215544

78. **Lee VS**, Morgan GR, Lin JC, Nazzaro CA, Chang JS, Teperman LW, Krinsky GA. Liver transplant donor candidates: Associations between vascular and biliary anatomic variants. Liver Transplantation 2004; 10:1049-1054. PMCID: 15390332

79. Huang AJ*, **Lee VS**, Rusinek H. Functional renal MR imaging. Magn Reson Imaging Clin N Am 2004; 12:469-486. PMCID: 15271336

80. Rusinek H, Kaur M, **Lee VS**. Renal magnetic resonance imaging. Curr Opin in Nephrol and Hypertension 2004; 13(6): 667-673. PMCID: 15483459

81. **Lee VS**, Krinsky GA, Nazzaro CA, Chang JS, Babb JS, Lin JC, Morgan GR, Teperman LW. Defining intrahepatic biliary anatomy in living liver transplant donor candidates at mangafodipir trisodium-enhanced MR cholangiography versus conventional T2-weighted MR cholangiography. Radiology 2004; 233: 659-666. PMCID: 15516606

82. Gupta A*, **Lee VS**, Chung Y-C, Babb JS, Simonetti OP. Myocardial infarction: optimization of inversion times at delayed contrast-enhanced MR imaging. Radiology 2004; 233:921-926. PMCID: 15516607

83. Zhang J, Israel GM, Krinsky, GA, **Lee VS**. Masses and pseudomasses of the kidney: Imaging spectrum on MR. J Comput Assist Tomogr 2004; 28(5):588-595. PMCID: 15480030

84. Gupta AA*, Kim DC, Krinsky GA, **Lee VS**. CT and MRI of cirrhosis and its mimics. AJR, 2004; 183:1595-1601. PMCID: 15547196

85. Pandharipande PV*, Krinsky GA, Rusinek H, **Lee VS**. Perfusion imaging of the liver: Current challenges and future goals. Radiology 2005; 234(3): 661-673.

86. Heller SL* and **Lee VS**. MR imaging of the gallbladder and biliary system. Magn Reson Imaging Clin N Am 2005; 13(2):295-311. PMCID: 15935313

87. Holland AE, Hecht EM, Hahn WY, Kim DC, Babb JS, **Lee VS**, West B, Krinsky GA. Importance of small (< or = 20 mm) enhancing lesions seen only during the hepatic arterial phase at MR imaging of the cirrhotic liver: Evaluation and comparison with whole explanted liver. Radiology 2005; 237(3):938-944.

88. Song T, **Lee VS,** Rusinek H, Kaur M, Laine AF. Automatic 4-D registration in dynamic MR renography based on over-complete dyadic wavelet and Fourier transforms. Lecture Notes in Computer Science 2005; 3749:205-213, and Medical Image Computing & Computer-Assisted Intervention: MICCAI 2005; 8:205-213. PMCID: 16685961

89. Zhang J, Hecht EM, Maldonado T, **Lee VS**. Time-resolved three-dimensional MR angiography with parallel imaging for evaluation of hemodialysis fistulas and grafts: Initial experience. AJR 2006; 186(5):1436-1442. PMCID: 16632742

90. Chang J, Taouli B, Salibi N, **Lee VS**. Opposed-phase MR imaging for fat quantification on fat-water phantoms with 1H MR spectroscopy to resolve ambiguity of fat or water dominance. AJR, 2006; 187:W103 - W106. PMCID: 16794122

91. Hecht EM, Krinsky GA Holland AE, Israel GM, Hahn WY, Kim DC, West B, Babb JS, Taouli B, **Lee VS**. Hepatocellular carcinoma in the cirrhotic liver: Gadolinium-enhanced 3D T1weighted MR imaging as a stand along sequence for diagnosis. Radiology 2006; 239(2):438-447.

92. Bokacheva L*, Huang AJ, Kaur M, Chen Q, An J, Oesingmann N, Rusinek H, **Lee VS**. Single breath-hold *T*1 measurement using low flip angle TrueFISP. Magn Reson Med 2006; 55(5):1186-1190. PMCID: 16572392

93. Zhang J, Israel GM, Hecht EM, Krinsky GA, Babb JS, **Lee VS**. Isotropic 3D T2-weighted MR cholangiopancreatography with parallel imaging: feasibility study. AJR 2006; 187:1564-1570. PMCID: 17114551

94. Lim RP, **Lee VS**, Bennett GL, Chen Q, McGorty K, Taouli B, Hecht EM. Imaging of the female pelvis at 3.0 T. Top Magn Reson Imaging. 2006; 17:427-443. PMCID: 17417090

95. Song T, **Lee VS**, Rusinek H, Wong S, Laine AF. Integrated four dimensional registration and segmentation of dynamic renal MR images. Medical Image Computing & Computer-Assisted Intervention: MICCAI 2006;9(Pt 2): 758-65. PMID: 17354841

96. Song T, **Lee VS**, Rusinek H, Wong S, Laine AF. Four dimensional MR image analysis of dynamic renography. Proc of IEEE Engineering in Med & Biol Soc. 2006; 1:3134-7. PMCID: 17946552

97. Hahn WY*, Hecht EM, Friedman B, Babb JS, Jacobowitz GR, **Lee VS**. Distal lower extremity imaging: Prospective comparison of 2-dimensional time of flight, 3-dimensional time-resolved contrast-enhanced magnetic resonance angiography, and 3-dimensional bolus chase contrast-enhanced magnetic resonance angiography. J Comput Assist Tomogr 2007; 31:29-36. PMCID: 17259830

98. Kim D, **Lee VS**, Srichai MB. Improved visualization of non-transmural scar using slice-selective inversion-recovery delayed contrast-enhanced MRI: a preliminary report. NMR in Biomedicine 2007; 20:121-7. PMCID: 16998952

99. **Lee VS**, Kaur M, Bokacheva L, Chen Q, Rusinek H, Thakur R, Moses, D, Nazzaro C, Kramer E. What causes diminished corticomedullary differentiation in renal insufficiency? J Magn Reson Imaging 2007; 25:790-795. PMCID: 17335025

100. Lim RP*, Hecht EM, Jian X, Babb JS, Oesingmann N, Wong S, Gagne P, **Lee VS**. 3D non-gadolinium enhanced ECG-gated MRA of the distal lower extremities: Preliminary clinical experience. J Magn Reson Imaging, 2008 Jul; 28(1):181-9. PMCID: 18581339

101. **Lee VS**, Rusinek H, Bokacheva L, Huang AJ, Oesingmann N, Chen Q, Kaur M, Prince K, Song T, Kramer EL, Leonard EF. Renal function measurements from MR renography and a multicompartmental model. Am J Physiology—Renal Physiol 2007; 292; F1548-1559. PMCID: 17213464

102. Lim RP, Srichai MB, **Lee VS**. Non-ischemic causes of delayed myocardial hyperenhancement on MRI. AJR 2007; 188:1675-81. PMCID: 17515393

103. Bokacheva L*, Rusinek H, Chen Q, Oesingmann N, Prince C, Kaur M, Kramer E, **Lee VS**. Quantitative determination of Gd-DTPA concentration in T1-weighted MR renography studies. Magn Reson Med 2007; 57:1012-8. PMCID: 17534906

104. Rusinek H, Boykov Y, Kaur M, Wong S, Bokacheva L, Sajous JB, Huang AJ, Heller S, **Lee VS**. Performance of an automated segmentation algorithm for 3D MR renography. Magn Reson Med 2007; 56:1159-1167. PMCID: 17534915

105. **Lee VS**, Hecht EM, Taouli B, Chen Q, Prince K, Oesingmann N. Body and cardiovascular MR imaging at 3.0 T, Radiology 2007; 244:692-705. PMCID: 17709825

106. Stepansky F, Hecht EM, Rivera R, Hirsh LE, Taouli B, Kaur M, **Lee, VS.** Dynamic MR angiography of upper extremity vascular disease: A pictorial review. Radiographics, 2008; 28(1):e28. PMCID: 17967936

107. Zhang JL*, Rusinek H, Bokacheva L, Lerman LO, Chen Q, Prince C, Oesingmann N, Song T, **Lee VS.** Functional assessment of the kidney from magnetic resonance and computed tomography renography: Impulse retention approach to a multicompartment model. Magn Reson Med 2008; 59(2):278-88. UI: 18228576. PMCID: 2735648

108. Hagiwara M, Rusinek H, **Lee VS**, Losada M, Bannan MA, Krinsky GA, Taouli B. Advanced liver fibrosis: Diagnosis with 3D whole-liver perfusion MR imaging—initial experience. Radiology, 2008; 246(3):926-34. PMCID: 18195377

109. Parikh T, Drew SJ, **Lee VS**, Wong S, Hecht EM, Babb JS, Taouli B. Focal liver lesion detection and characterization with diffusion-weighted MR imaging: Comparison with standard breath-hold T2-weighted imaging. Radiology, 2008; 246(3)812-22. PMCID: 18223123

110. Miyazaki M, **Lee VS**. Non-enhanced MR angiography: State-of-the-Art. Radiology, 2008; 248(1):20-43. PMCID: 1856168

111. Lim RP, Hecht EM, Xu J, Babb JS, Oesingmann N, Wong S, Muhs BE, Gagne P, **Lee VS**. 3D nongadolinium-enhanced ECG-gated MRA of the distal lower extremities: preliminary clinical experience. J Magn Reson Imaging, 2008; 28(1):181-9. PMCID: 18581339

112. Hecht EM, **Lee VS**, Tanpitukpongse TP, Babb JS, Taouli B, Wong S, Rosenblum N, Kanofsky JA, Bennett GL. MRI of pelvic floor dysfunction: Dynamic true fast imaging with steady-state free precession versus HASTE. AJR 2008; 191:352-8. PMCID: 18647901

113. Bokacheva L, Rusinek H, Zhang JL, **Lee VS**. Assessment of renal function with dynamic contrast-enhanced MR imaging. Magn Reson Imaging Clin N Am. 2008; 16(4):597-611. UI: 18926425. PMCID: 2590938

114. Kim S, Jacobs JS, Kim DC, Rivera R, Lim RP, **Lee VS**. Time-resolved dynamic contrast enhanced MR urography for the evaluation of ureteral peristalsis: Initial experience. J Magn Reson Imaging 2008; 28:1293-1298. PMCID: 18972340

115. Kim S, Salibi N, Hardie AD, Xu J, Lim RP, **Lee VS**, Taouli B. Characterization of adrenal pheochromocytoma using respiratory-triggered proton MR spectroscopy: initial experience. AJR 2009; 192:450-454. PMCID: 19155409

116. Bokacheva L, Rusinek H, Zhang JL, Chen Q, **Lee VS**. Estimates of glomerular filtration rate from MR renography and tracer kinetic models. J Magn Reson Imaging 2009; 29:371-82. UI: 19161190. PMCID: 2735649

117. Srichai MB, Lim RP, **Lee VS**. Cardiovascular applications of phase contrast MR imaging. AJR 2009; 192:662-75. PMCID: 19234262

118. Zhang JL, Rusinek H, Bokacheva L, Lim RP, Chen Q, Storey P, Prince K, Hecht EM, Kim DC, **Lee VS**. Angiotensin-converting enzyme inhibitor-enhanced MR renography: repeated measures

of GFR and RPF in hypertensive patients. Am J Physiol -- Renal Physiol 2009; 296(4):F884-91. UI: 19158343. PMCID: 2670643

119. Taouli B, Thakur R, Mannelli L, Babb JS, Kim S, Hecht EM, **Lee VS**, Israel GM. Renal lesions: characterization with diffusion-weighted imaging versus contrast-enhanced MR imaging. Radiology 2009; 251:398-407. UI: 19276322.

120. Chandarana H, **Lee VS**. Renal functional MRI: Are we ready for clinical application? AJR 2009; 192:1550-7. PMCID: 19457818

121. Song T, Laine AF, Chen Q, Rusinek H, Bokacheva L, Lim RP, Laub G, Kroeker R, **Lee VS**. Optimal k-space sampling for dynamic contrast-enhanced MRI with an application to MR renography. Magn Reson Med 2009; 61:1242-8. UI: 19230014. PMCID: 2773550

122. Kim S, Jain M, Harris AB, **Lee VS**, Babb JS, Sigmund E, Rueff LE, Taouli B. T1 hyperintense renal lesions: characterization with diffusion-weighted MR imaging versus contrast-enhanced MR imaging. Radiology 2009; 251:796-807. PMCID: 19380690

123. Lim RP, Storey P, Atanasova IP, Xu J, Hecht EM, Babb JS, Stoffel DR, Chang H, Mcgorty K, Chen Q, Rusinek H, Belmont HM, **Lee VS**. 3D ECG-gated variable flip angle fast spin echo imaging for MRA of the hands at 3 Tesla: initial experience. Radiology 2009; 252:874-81. UI: 19567653. PMCID: 2734893

124. Taouli B, Sandberg A, Stemmer, A, Parikh T, Wong S, Xu J, **Lee VS**. Diffusion-weighted imaging of the liver: Comparison of navigator triggered and breathhold acquisitions. J Magn Reson Imaging 2009; 30:561-568. PMCID: 19711402

125. Zhang JL, Rusinek H, Bokacheva L, Chen Q, Storey P, **Lee VS**. Use of cardiac output to improve measurement of input function in quantitative dynamic contrast-enhanced MRI. J Magn Reson Imaging 2009; 30(3):656-665. UI: 19711414. PMCID: 2775467

126. Bennett GL, Hecht EM, Tanpitukpongse TP, Babb JS, Taouli B, Wong S, Rosenblum N, Kanofsky JA, **Lee VS**. MRI of the urethra in women with lower urinary tract symptoms: Spectrum of findings at static and dynamic imaging. AJR 2009; 193:1708-15. UI:19933669

127. Song T, **Lee VS**, Chen Q, Rusinek H, Laine AF. An automated three dimensional plus time registration framework for dynamic MR renography. J Visual Communication and Image Representation 2010; 21(1):1-8.

128. Zhang JL, Sigmund EE, Chandarana H, Rusinek H, Chen Q, Vivier PH, Taouli B, **Lee VS**. Variability of renal apparent diffusion coefficients: limitations of the monoexponential model for diffusion quantification. Radiology 2010; 254(3):783-92. PMCID: 2851010

129. Lim RP, Jacob JS, Hecht EM, Kim DC, Huffman SD, Kim S, Babb JS, Laub G, Adelman MA, **Lee VS**. Time-resolved lower extremity MRA with temporal interpolation and stochastic spiral trajectories: preliminary clinical experience. J Magn Reson Imaging 2010; 31:663-672. PMCID: 20787210

130. Bennett GL, Siegel C, Hecht EM, Tanpitukpongse TP, Babb JS, Taouli B, Wong S, Rosenblum N, Kanofsky JA, **Lee VS.** Imaging: MRI of the urethra in women with lower urinary tract symptoms: Spectrum of findings at static and dynamic imaging. J Urol 2010; 184(3):1052-53.

131. Storey P, Atanasova IP, Lim RP, Xu J, Kim D, Chen Q, **Lee VS**. Tailoring the flow sensitivity of fast spin echo sequences for non-contrast peripheral MR angiography. Magn Reson Med 2010; 64:1098-1108. PMCID: 3057440

132. Chandarana H, **Lee VS**, Hecht E, Taouli B, Sigmund EE. Comparison of biexponential and monoexponential model of diffusion weighted imaging in evaluation of renal lesions: Preliminary experience. Invest Radiol 2011; 46(5):285-91. PMCID: 21102345

133. Vivier PH, Storey P, Rusinek H, Zhang JL, Yamamoto A, Tantillo K, Khan U, Lim RP, Babb JS, John D, Teperman LW, Chandarana H, Friedman K, Benstein JA, Skolnik EY, **Lee VS**. Kidney function: Glomerular filtration rate measurement with MR renography in patients with cirrhosis. Radiology 2011; 259(2):462-70. PMCID: 21386050

134. Atanasova IP, Kim D, Lim RP, Storey P, **Lee VS**. Noncontrast MR angiography for comprehensive assessment of abdominopelvic arteries using quadruple inversion-recovery preconditioning and 3D balanced steady-state free precession imaging. J Magn Reson Imaging 2011; 33(6):1430-9. PMCID: 3097061

135. Chandarana H, Rosenkrantz A, Kim D, Lim R, **Lee VS**. Free-breathing radial 3D fat-suppressed T1-weighted gradient echo sequence: A viable alternative for contrast-enhanced liver imaging in patients unable to suspend respiration. Invest Radiol 2011; 46(10):648-53. PMCID: 21577119

136. Zhang JL, Sigmund E, Rusinek H, Chandarana H, **Lee VS**. Optimization of b-value sampling for diffusion-weighted imaging of the kidney. Magn Reson Med 2011; 67(1):89-97. PMCID: 21702062

137. Yamamoto A, Zhang JL, Rusinek H, Chandarana H, Babb J, Diflo T, John D, Benstein J, Barisoni L, Vivier PH, Stoffel D, **Lee VS**. Quantitative evaluation of acute renal transplant dysfunction with low-dose 3D MR renography. Radiology 2011; 260(3):781-9.

138. Storey P, Lim RP, Kim S, Stoffel DR, **Lee VS**. Arterial flow characteristics in the presence of vascular disease and implications for FSE-based noncontrast MR angiography. J Magn Reson Imaging 2011; 34(6):1472-9. PMCID: PMC3221815

139. Kim D, Dyvorne HA, Otazo R, Feng L, Sodickson DK, **Lee VS**. Accelerated phase-contrast cine MRI using k-t SPARSE-SENSE. Magn Reson Med 2012; 67(4):1054-64. PMCID: 22083998

140. Storey P, Otazo R, Lim RP, Kim S, Fleysher L, Oesingmann N, **Lee VS**, Sodickson DK. Exploiting sparsity to accelerate noncontrast MR angiography in the context of parallel imaging. Magn Reson Med 2012; 67(5):1391-1400. PMCID: 3291797

141. Sigmund EE, Vivier PH, Sui D, Lamparello N, Mikeev A, Rusinek H, Babb J, Storey P, **Lee VS**, Chandarana H. Intravoxel incoherent motion (IVIM) and diffusion tensor imaging (DTI) in renal tissue under hydration and furosemide flow challenges. Radiology 2012; 263(3):758-69.

142. Rosenkrantz AB, Storey P, Gilet AG, Niver BE, Babb JS, Hajdu CH, **Lee VS**. Magnetization transfer contrast-prepared MR Imaging of the liver: Inability to distinguish healthy from cirrhotic liver. Radiology 2012; 262:136-143.

143. Rosenkrantz AB, Sigmund EE, Johnson G, Babb JS, Mussi TC, Melamed J, Taneja SS, **Lee VS**, Jensen JH. Prostate cancer: Feasibility and preliminary experience of a diffusional kurtosis model for detection and assessment of aggressiveness of peripheral zone cancer. Radiology 2012; 264:126-135.

144. Storey P, Lim RP, Chandarana H, Rosenkrantz AB, Kim D, Stoffel DR, **Lee VS**. MRI Assessment of hepatic iron clearance rates following USPIO administration in healthy human adults. Invest Radiol 2012; 47(12):717-24.

145. Chandarana H, Kang S, Wong S, Rusinek H, Zhang J, Arizono S, Huang WC, Melamed J, Babb JS, Suan EF, **Lee VS**, Sigmund EE. Diffusion weighted intravoxel incoherent motion imaging of renal tumors with histopathologic correlation. Invest Radiol 2012; 47(12):688-96.

146. Rusinek H, Chandarana H, **Lee V**. Functional MRI of the kidneys. J Magn Reson Imaging 2013;37:282-93.

147. Atanasova IP, Kim D, Storey P, Rosenkrantz A, Lim RP, **Lee VS**. Sagittal fresh blood imaging with interleaved acquisition of systolic and diastolic data for improved robustness to motion. Magn Reson Med 2013 69:321-8.

148. Lim RP, Fan Z, Chatterji M, Baadh A, Atanasova IP, Storey P, Kim DC, Kim S, Hodnett PA, Ahmad A, Stoffel DR, Babb JS, Adelman MA, Xu J, Li D, **Lee VS.** Comparison of non-contrast-enchanced MRA subtraction techniques for the infragenual arteries at 1.5 T: A Preliminary Study. Radiology 2013 267:293-304.

149. Vivier PH, Storey P, Chandarana H, Yamamoto A, Tantillo K, Khan U, Zhang JL, Sigmund EE, Rusinek H, Babb JS, Bubenheim M, **Lee VS**. Renal Blood oxygenation-level-dependent imaging: Contribution of R2 to R2* values. Invest Radiol 2013 48(7):501-8.

150. Zhang JL, Morrell GR, **Lee VS**. Blood Oxygen Level-dependent MR in renal disease: Moving toward clinical utility. Radiology 2013 268(3):619-621.

151. Kang SK, Huang WC, Wont S, Zhang JL, Stifelman MD, Bruno MT, Babb JS, **Lee VS**, Chandarana H. Dynamic contrast-enhanced magnetic resonance imaging measurement of renal function in patients undergoing partial nephrectomy: Preliminary experience. Invest Rad 2013;48:687-692

152. Morrell GR, Zhang JL, **Lee VS**. Science to practice: Renal hypoxia and fat deposition in diabetic neuropathy--new insights with functional renal MR imaging. Radiology 2013;269(3):625-626.

153. Kang SK, Huang WC, **Lee VS**, Chandarana H. MR renographic measurement of renal function in patients undergoing partial nephrectomy. AJR Am J Roentgenol 2013;200(6):1204-9. PubMed PMID: 23701054.

154. Notohamiprodjo M, Chandarana H, Mikheev A, Rusinek H, Grinstead J, Feiweier T, Raya JG, **Lee VS**, Sigmund EE. Combined intravoxel incoherent motion and diffusion tensor imaging of renal diffusion and flow anisotropy. Magn Reson Med 2014, published online 21 Apr 2014

155. Zhang JL, Morrell G, Rusinek H, Warner L, Vivier P-H, Cheung AK, Lerman L, **Lee VS**. Measurement of renal tissue oxygenation with Blood Oxygen Level Dependent (BOLD) MRI and oxygen transit modeling. Am J Physiol -- Renal Physiol 2014;306(6):F579 -87

156. Zhang JL, Morrell G, Rusinek H, Sigmund EE, Chandarana H, Lerman LO, Prasad PV, Niles D, Artz N, Fain S, Vivier PH, Cheung AK, **Lee VS**. New magnetic resonance imaging methods in nephrology. Kidney Int 2014; 85:768-778.

157. Atanasova IP, Lim RP, Chandarana H, Storey P, Bruno MT, Kim D, **Lee VS**. Quadruple inversion-recovery b-SSFP MRA of the abdomen: Initial clinical validation. Eur J Radiology 2014; 83(9):1612-1619.

158. Kawamoto K, Martin CJ, Williams K, Tu MC, Park CG, Hunter C, Staes CJ, Bray BE, Deshmukh VG, Holbrook RA, Morris SJ, Fedderson MB, Sletta A, Turnbull J, Mulvihill SJ, Crabtree GL, Entwistle DE, McKenna QL, Strong MB, Pendleton RC, **Lee VS.** Value Driven Outcomes (VDO): a pragmatic, modular, and extensible software framework for understanding and improving health care costs and outcomes. J Am Med Inform Assoc. 2015 Jan; 22(1):223-35.

159. Lindley MD, Kim D, Morrell G, Heilbrun ME, Storey P, Hanrahan CJ, **Lee VS**. High-permittivity thin dielectric pad improves peripheral non-contrast MRA at 3T. Investigative Radiology 2015; 50(2):101-107.

160. Levine A, Shapiro L, Reece EA, Rothman P, Rappley M, **Lee VS**, Goldman L, Jameson JL, Golden R, Balser J, Davis P, Andrews N, Antman K, Alpern R, Berg J, Fitz JG, Polonsky K, Spiegel A, Rothman P. Research in academic medical centers. Two threads to sustainable support. Science Translational Medicine 2015; 7(289): 289fs22.

161. **Lee VS**, Miller T, Daniels C, Paine M, Gresh B, Betz AL. Creating the exceptional patient experience in an academic health system. Acad Med. 2016; 91(3):338-44.

162. Byington C, Keenan H, Phillips JD, Childs R, Wachs E, Berzins MA, Clark K, Torres MK, Abramson J, **Lee VS,** Clark EB. A matrix mentoring model effectively supports clinical and translational scientists and increases inclusion in biomedical research. Acad Med. 2016; 91(4):497-502.

163. Xie L, Layton AT, Wang N, Larson PE, Zhang JL, **Lee VS**, Liu C, Johnson GA. Dynamic contrast-enhanced quantitative susceptibility mapping with ultrashort echo time MRI for evaluating renal function. Am J Physiol Renal Physiol. 2016 Jan 15;310(2):F174-82.

164. Conlin CC, Zhang JL, Rousset F, Vachet C, Zhao Y, Morton KA, Carlston K, Gerig G, **Lee VS**. Performance of an efficient image-registration algorithm in processing MR renography data. J Magn Reson Imaging. 2016 Feb;43(2):391-7.

165. Zhang JL, Conlin CC, Carlston K, Xie L, Kim D, Morrell G, Morton K, **Lee VS.** Optimization of saturation-recovery dynamic contrast-enhanced MRI acquisition protocol: Monte Carlo simulation approach demonstrated with gadolinium MR renography. NMR Biomed. 2016; 29(7):969-77.

166. Hofstetter LW, Morrell G, Kaggie J, Kim D, Carlston K, **Lee VS**. T2* Measurement bias due to concomitant gradient fields. Magn Reson Med. 2016 May 17. [Epub ahead of print]

167. Haddadin Z, **Lee VS**, Conlin C, Morrell G, Hoffman J, Morton K. Comparison of improved serum estimators of GFR to Tc-99m DTPA plasma-clearance method in patients with hepatic cirrhosis. J Nucl Med. 2016;57(2):1242.

168. **Lee VS**, Kawamoto K, Hess R, Park C, Young J, Hunter C, Johnson S, Gulbransen S, Pelt CE, Horton DJ, Graves KK, Greene TH, Anzai Y, Pendleton RC. Implementation of a Value-Driven Outcomes Program to Identify High Variability in Clinical Costs and Outcomes: Association with Reduced Cost and Improved Quality of Care. JAMA 2016; 316(10):1061-72. http://jamanetwork.com/journals/jama/fullarticle/2552208

    Accompanying editorial: Porter ME, Lee TE. From Volume to Value in Health Care The Work Begins. JAMA 2016;316(10):1047-48.
    http://jamanetwork.com/journals/jama/fullarticle/2552189
    Accompanying podcast: Lee VS and Porter ME.
    http://hwcdn.libsyn.com/p/8/1/8/8187f074915f3ce3/Value-Driven_Outcomes_Program_and_Health_Care_Cost_and_Quality.mp3?c_id=12738125&destination_id=90171&expiration=1478208849&hwt=a832cc240502a71bbeac0cedb5c03c63

169. Zhang JL, Conlin CC, Oesingmann N, **Lee VS**. Renal plasma flow (RPF) measured with multiple-inversion arterial spin-labeling (ASL) and tracer kinetic analysis: Validation against a dynamic contrast enhancement method. Magn Reson Imaging 2016; 15(37):51-55.

170. Xie L, Bennett K, Liu C, Johnson GA, Zhang JL, **Lee VS**. MRI tools for assessment of microstructure and nephron function of the kidney. Am J Physiol – Renal Physiol 2016; 311(6):F1109-F1124.

171. Anzai Y, Heilbrun ME, Haas D, Boi L, Moshre K, Minoshima S, Kaplan R, **Lee VS**. Application of TDABC (Time-driven Activity-based Costing) in a Tertiary Academic Center. Acad Radiol 2017; 24:200–208.

172. Morrell GR, Zhang JL, **Lee VS**. MRI of the fibrotic kidney. J Am Soc Nephrol 2017; 28:2564-70.

173. **Lee VS**. Annual oration: Driving value through imaging. Radiology 2017;285:3-11.

174. Haddadin Z, **Lee VS**, Conlin C, Zhang L, Carlston K, Morrell G, Kim D, Hoffman J, Morton K. Comparison of performance of improved serum estimators of glomerular filtration rate (GFR) to Tc-99m DTPA GFR methods in patients with hepatic cirrhosis. J Nucl Med Technol 2017; 45(1):42-49.

175. Stipelman CH, Poss B, Stetson LA, Bois L, Rogers M, Puzey C, Koduri S, Kaplan R, **Lee VS**. Financial analysis of pediatric resident resident physician primary care longitudinal outpatient experience. Acad Pediatr 2018; 18(7):837-842.

176. Biber J, Ose D, Reese J, Gardiner A, Facelli J, Spuhl J, Brodke D, **Lee VS**, Hess R, Weeks H Patient reported outcomes - experiences with implementation in a University Health Care setting. J Patient Rep Outcomes. 2018 Aug 17;2:34.

177. **Lee VS**, Conroy JM, and Women of Impact. Lean In: Women of Impact in healthcare on Advancing equity in the workplace. NEJM/Catalyst. September 15, 2018.

178. Hanrahan CJ, Lindley MD, Mueller M, Kim D, Sommers D, Morrell G, Redd A, Carlston K, **Lee VS.** Diagnostic accuracy of noncontrast MR angiography protocols at 3T for the detection and characterization of lower extremity peripheral arterial disease. J Vasc Interv Radiol 2018;29(11):1585-1594. PMID 30318162

179. Zhang JL, Layec G, Hanrahan C, Conlin CC, Hart C, Hu N, Khor L, Mueller M, **Lee VS**. Exercise-induced calf muscle hyperemia: quantitative mapping with low-dose dynamic contrast enhanced magnetic resonance imaging (DCE MRI). Am J Physiol Heart Circ Phsyiol 2019;316(1):H201-H211. PMID 30388024

180. Conlin CC, Layec G, Hanrahan C, Hu N, Mueller M, **Lee VS**, Zhang JL. Exercise-stimulated arterial transit time (ATT) in calf muscles measured by dynamic contract-enhanced magnetic resonance imaging. Physiol Rep 2019;7(1):e13978. PMID 30648355 PMCID: PMC6333626

181. Li X, Conlin CC, Decker ST, Hu N, Mueller M, Khor L, Hanrahan C, Layec G, **Lee VS**, Zhang JL. Sampling arterial function (AIF) from peripheral arteries: Comparison of a temporospatial feature-based method against conventional manual method. Magn Reson Imaging 2019;57:118-123.

182. Morrell GR, Jeong E-K, Shi X, Zhang L, **Lee VS**. Continuous prospectively navigated multi-echo GRE for improved BOLD imaging of the kidneys. NMR in Biomed 2019;32:e4078.

183. Anzai Y, Minoshima S, **Lee VS**. Enhancing value of MRI: a call for action. J Magn Reson Imaging 2019;49:e40-e48.

184. Zhang JL, **Lee VS**. Renal perfusion imaging by MRI. J Magn Reson Imaging 2020;52:369-379. https://doi.org/10.1002/jmri.26911

185. Navathe AS, **Lee VS**, Liao JM. How to overcome clinicians' resistance to nudges. Harvard Business Review, May 3, 2019. https://hbr.org/2019/05/how-to-overcome-clinicians-resistance-to-nudges

186. Herriman M, Meer E, Rosin R, **Lee V**, Washington V, Volpp KG. Asked and answered: Building a chatbot to address Covid-19-related concerns. NEJM Catalyst June 18, 2020. https://catalyst.nejm.org/doi/full/10.1056/cat.20.0230

* Written by a medical student, fellow, or visiting fellow under the direct supervision of VS Lee

Invited Commentaries/Editorials in Journals/Viewpoints and Perspectives

187. **Lee VS**. Cardiac MRI: time has come to use it or lose it. Diagnostic Imaging. March 1, 2001.

188. **Lee VS**. Cardiac MRI: Use it or Lose it. J Vasc Interv Radiol 2001; 12(1): P106-P110.

189. **Lee VS**. Science to Practice: Can MRI replace liver biopsy for the diagnosis of early fibrosis? Radiology 2006; 239:309-310.

190. **Lee VS**. Can living kidney donors be evaluated accurately with the use of MRI alone? Practice Point Commentary on Magnetic resonance imaging as the sole method for the morphological and functional evaluation of live kidney donors. Nature Clinical Practice Nephrology 2006; 2:22-23.

191. Taouli B, **Lee VS**. MR imaging is poised to realize its potential of going beyond morphology and providing functional information... Preface. Magnetic resonance imaging clinics of North America. 2008;16(4):xiii.

192. **Lee VS**. Herman Yaggi Carr, Ph.D. (1924-2008): A Tribute in Memoriam. J Magn Reson Imaging 2009; 29:1243-7.

193. **Lee VS**. 2012 Lauterbur Lecture: MRI From science to society. J Magn Reson Imaging 2013, 37:753-60.

194. Zhang J.L., Morrell G., **Lee VS**. Blood oxygen level-dependent MR in renal disease: Moving toward clinical utility. Radiology 2013, 268:619-621.

195. **Lee VS**. MRI: From techniques to industrialization (MRI如何适应医疗变革). Chinese Journal of High-Technology & Industrialization 2013.

196. **Lee VS**. Redesigning metrics to integrate professionalism into the governance of health care. JAMA 2015, 313(18):1815-1816.

197. Byington, CL, **Lee VS**. Addressing disparities in academic medicine moving forward. JAMA 2015; 314(11):1139-1141.

198. **Lee, VS.** Transparency and trust — Online patient reviews of physicians. N Engl J Med 2017; 376:197-199. http://www.nejm.org/doi/full/10.1056/NEJMp1610136#t=article

Published February 3, 2017. Transparency and Trust – Online Patient Reviews of Physicians. NEJM Catalyst. Accompanying interview. http://catalyst.nejm.org/transparency-trust-online-patient-reviews/

199. **Lee VS**, Blanchfield BB. Disentangling health care billing: For patients' physical and financial health. JAMA 2018; 319:661-663. https://jamanetwork.com/journals/jama/fullarticle/2673128?resultClick=1

Media: https://www.bloomberg.com/view/articles/2018-03-26/medical-billing-bogs-down-u-s-health-care-system

Book Chapters

1. **Lee VS**. Pericardial Disease. In Haacke M, ed. *MR Imaging Protocols*, New York: John Wiley, 2001.

2. **Lee VS**. Cardiac Masses. In Haacke M, ed. *MR Imaging Protocols*, New York: John Wiley, 2001.

3. Lim, RP, **Lee VS.** MRA: Upper extremity and hand vessels. James C. Carr, Timothy J. Carroll, ed. *Magnetic Resonance Angiography: Principles and Applications,* New York, Springer, 2012.

Edited Books

1. **Lee VS**. Genitourinary MR imaging. MRI Clin North Am, 2004; 12(3). (guest editor)

2. Taouli B, **Lee VS**. Genitourinary MRI. MRI Clin North Am, 2008; 16(4). (guest editor)

Books

1. **Lee VS**. Cardiovascular MRI: Physical Principles to Practical Protocols, Lippincott, Williams & Wilkins, 2006.
   Korean edition translated by Hyuk-Jae Chung, 2009. Persian edition 2017.

2. **Lee VS**. The Long Fix: Solving America's Health Care Crisis with Strategies that Work for Everyone. W.W. Norton, May 2020. Audiobook July 2020

Webcasts

1. Lee VS. Data Sharing for Value-Driven Transformation. Robert Wood Johnson Foundation/Academy Health Webinar, Transforming Health Care Payment and Delivery Systems on the Ground Series. June 16, 2014.
   http://www.academyhealth.org/Training/ResourceDetail.cfm?ItemNumber=13786

2. Curfman G, Compton-Phillips AL, Cosgrove D, Lee VS. Perspective: Transparency in Quality Data, Pricing and Medical Records Simulcast. New Engl J Med, Oct 7, 2014.
   http://events.nejm.org/login.php

   Citation: Blumenthal D, Compton-Phillips A, Cosgrove DM, Curfman GD, Delbanco, T.; Lee TH, Lee VS.; Lipstein SH, Nath PA, Rosenthal MB. Innovation in health care leadership. NEJM Vol. 371, No. 18, 2014; e26October 30, 2014DOI: 10.1056/NEJMp1410441

3. Lee VS. Innovation: The Future of Health Care. Teaching Value in Health Care: ABIM Costs of Care. 19 Nov 2015.
   www.costsofcare.org

4. Boutros A, Lee VS. Leadership: Translating Challenge to Success. New Strategies: Leading through an Evolving Markets. Moderated by Eddie Greene. New England Journal of Medicine Catalyst Webcast June 2, 2016.

Editorials in Media

1. **Lee VS.** Op-ed: U. of U. dedicated to solving 'primary care crunch'. Salt Lake Tribune; February 15, 2014.
   http://www.sltrib.com/sltrib/opinion/57542602-82/care-primary-utah-students.html.csp

2. **Lee, VS.** My view: Utah's air quality important for economics. Deseret News; February 19, 2014.

http://www.deseretnews.com/article/865596807/Utahs-air-quality-important-for-economics.html?pg=all

3. **Lee, VS.** My view: Now is the time to invest in NIH. Deseret News; August 26, 2014. http://www.deseretnews.com/article/865609579/Now-is-the-time-to-invest-in-NIH.html?pg=all

4. **Lee VS**. What Obama's SOTU should say about Personalized Medicine. Fortune magazine, January 12, 2016. http://fortune.com/2016/01/12/sotu-obama-personalized-medicine/

5. **Lee, VS**. Why Doctors Shouldn't Be Afraid of Online Reviews. Harvard Business Review, March 29, 2016. https://hbr.org/2016/03/why-doctors-shouldnt-be-afraid-of-online-reviews

6. **Lee VS**. Why my health system collects and publishes patient reviews. STAT. February 21, 2017. https://www.statnews.com/2017/02/21/patient-reviews-help-improve-health-care/

7. **Lee VS**. U. works today to make Utahns healthier tomorrow. Salt Lake Tribune. Feb 28, 2017 http://www.sltrib.com/opinion/4980567-155/op-ed-u-works-today-to-make

8. **Lee VS**. Fee for service is a terrible way to pay for health care. Try a subscription model instead. STAT. June 12, 2020 https://www.statnews.com/2020/06/12/fee-for-service-is-a-terrible-way-to-pay-for-health-care-try-a-subscription-model-instead/

9. **Lee VS**. U.S. Health Care Is in Flux. Here's What Employers Should Do. Harvard Business Review. June 15, 2020. https://hbr.org/2020/06/u-s-health-care-is-in-flux-heres-what-employers-should-do

10. Califf RM, with **Lee V**, Washington V. The workplace transformed: Balancing safety and personal autonomy as we return to work and school. Medium, com July 23, 2020. https://medium.com/@califf001/the-workplace-transformed-balancing-safety-and-personal-autonomy-as-we-return-to-work-and-school-95352dee4121

Reports and Organizational Publications

1. Conroy J, Salopek JJ. Robert Wood Johnson Foundation: Women of Impact. Washington, DC, March 2014.

2. Verbal and written testimony to: Subcommittee on Labor, Health and Human Services, Education and Related Agencies; Committee on Appropriations – United States House of Representatives. Washington, DC, March 25, 2014. http://docs.house.gov/meetings/AP/AP07/20140325/101877/HHRG-113-AP07-Wstate-LeeV-20140325.pdf

Patents

1. Inventors: **Vivian S. Lee**, Jian Xu

Title: Turbo spin echo-based acquisition with variable flip angle evolution and high resolution
Date issued: December 19, 2012
US Patent number 8,334,691

2. Inventors: Lei Zhang, Henry Rusinek, **Vivian S. Lee**
Title: System, Method and Computer-Accessible medium for utilizing cardiac output to improve measurement of tracer input function in dynamic contrast-enhanced magnetic resonance imaging
Date: April 3, 2009, full patent submitted April 2, 2010
Docket Number: 191236/ US
PCT Patent Application number PCT/US 10/29870
(international application under Patent Cooperation Treaty)

Abstracts (Oral presentations, unless otherwise noted)

1. **Lee VS**, Lu M, Russell D, Lee ET. Hypertension and antihypertensive therapy as predictors for mortality and the development of macrovascular disease in NIDDM. International Symposium on Hypertension associated with Diabetes Mellitus November 1991

2. Lee ET, **Lee VS**, Lu M, Russell D. Antihypertensive therapy and the development of renal insufficiency in Type II diabetes mellitus. [poster] International Symposium on Hypertension associated with Diabetes Mellitus November 1991

3. Webb M, Martinez S, **Lee VS,** Leight G, Wigfall D, McKay C. Leontiasis ossea: Rare manifestation of severe secondary hyperparathyroidism. American Society of Nephrology 1993

4. **Lee VS**, Lee ET, Lu M, Russell D. Prevalence of visual impairment and associated risk factors in diabetic Oklahoma Indians. [poster] International Diabetes Federation Congress 1994

5. **Lee VS**, Wilkinson RH Jr, Leight GS Jr, Coogan AC. Double phase technetium-99m-sestamibi imaging in hyperparathyroidism. American Association of University Radiologists 1995

6. **Lee VS**, Spritzer CE, Leight GS Jr, Coogan AC. Fast spin echo and double-phase Tc-99m sestamibi for preoperative localization of hyperparathyroid glands: A prospective comparison study. American Roentgen Ray Society 1995

7. **Lee VS**, Martinez S, Coleman RE. Primary muscle lymphoma: imaging characteristics by MR imaging, CT, PET, and gallium scintigraphy. Radiological Society of North America 1995; Radiology 1995;197:295.

8. Smith TP, **Lee VS**, McDermott VG, Hudson ER, Newman GE, Suhocki PV. Prospective evaluation of pulmonary artery pressures during pulmonary angiography using low osmolar nonionic contrast media. Society of Cardiovascular and Interventional Radiology 1996

9. Davey NC, McDermott VG, Smith TP, **Lee VS**, McCann RL, Spritzer CE. Comparison of single leg contrast angiography and MRA in the evaluation peripheral vascular disease. American Roentgen Ray Society 1996

10. **Lee VS**, Spritzer CE, Pool LG, Carroll BA, MacFall JR. The accuracy of fast phase contrast MR measurements of flow compared with cine phase contrast and Doppler ultrasonography. [poster] International Society of Magnetic Resonance in Medicine 1996

11. McDermott VG, Norconk JJ, **Lee VS**, Sostman HD, Leight GS, Spritzer CE. Parathyroid lesion localization: MR imaging and surgical correlation. Radiological Society of North America, 1996.

12. **Lee VS**, Martinez S. Leontiasis ossea in secondary hyperparathyroidism. Journal of Bone and Mineral Research 1997;12:1952-3.

13. **Lee VS**, Hertzberg BA, Kliewer MA, Carroll BA. Variability of Doppler measurements along the extracranial course of the internal and common carotid arteries: Effects on parameters to assess carotid stenoses. Radiological Society of North America 1997; Radiology 1997;205:1705.

14. Yen SPF, **Lee VS**, Coleman RE. Nonthromboembolic causes of abnormal ventilation-perfusion scintigraphy. [poster] Radiological Society of North America 1997

15. **Lee VS**, Rofsky NM, Stemerman DH, Krinsky GA, Weinreb JC. The influence of contrast injection rates and patient circulation times on optimizing renal gadolinium-enhanced MR angiography. Society of Computed Body Tomography and Magnetic Resonance 1998.
Cum Laude Award

16. **Lee VS**, Shen E, Rofsky NM, Bosniak MA, Krinsky GA, Weinreb JC. Contrast-enhanced magnetic resonance imaging evaluation of patients following partial or complete nephrectomy for renal cell carcinoma. [poster] International Cancer Congress 1998

17. **Lee VS**, Hertzberg BS, Workman MJ, Smith TP, Kliewer MA, Carroll BA. Variability of Doppler ultrasound measurements along the common carotid arteries and subsequent effects on parameters to assess carotid stenosis in patients with angiographically-proven internal carotid artery disease. Radiological Society of North America, 1998; Radiology 1998;209P:340.

18. **Lee VS**, Rofsky NM, Krinsky GA, Stemerman DH, Weinreb JC. Single dose gadolinium-enhanced 3D-MR angiography of the renal arteries optimized with a timing examination: Effects of injection rate, patient circulation time, and breath-holding. Radiological Society of North America, 1998; Radiology 1998;209P:186.

19. **Lee VS**, Rofsky NM, Ton AT, Krinsky GA, Johnson G, Weinreb JC. Complementary roles of phase-contrast arterial waveform analysis using an ACE-inhibitor and Gd-enhanced 3D MRA for evaluation of patients with suspected renovascular disease. Radiological Society of North America, 1998; Radiology 1998;209P:490.

20. Kutz SM, **Lee VS**, Tunick PA, Krinsky GA, Kronzon I. Atheromas of the thoracic aorta: Comparison of TEE and MRA. American College of Cardiology, 1999

21. Krinsky G, Theise N, Rofsky N, **Lee VS**, Mizrachi H, Weinreb J. MR imaging of hepatocellular carcinoma (HCC) prospective evaluation with explant correlation. Society of Computed Body Tomography and Magnetic Resonance, 1999
Moncada Award

22. **Lee VS**, Rofsky NM, Lavelle M, Krinsky G, Weinreb JC. Dynamic high-resolution isotropic breathhold T1-weighted 3D volumetric imaging of the abdomen: Validation of technique and clinical application. Society of Computed Body Tomography and Magnetic Resonance, 1999.
Cum Laude Award

23. **Lee VS**, Ton AT, Rofsky NM, Krinsky GA, Weinreb JC. ACE-inhibitor enhanced cine phase-contrast MR measurements of renal artery velocity waveforms in patients with suspected renovascular hypertension. Society of Computed Body Tomography and Magnetic Resonance, 1999

24. Rusinek H, Johnson G, **Lee V**, Shinde T, Rogers L. Measurement of concentration of Gd-DTPA in multiple tissues with applications to MR renography. International Society for Magnetic Resonance in Medicine, 1999

25. **Lee VS**, Shinde TS, Rofsky NM, Krinsky GA, Weinreb JC. Three-dimensional gadolinium-enhanced MR venography for evaluation of central vein patency. International Society for Magnetic Resonance in Medicine, 1999

26. **Lee VS**, Ton AT, Rofsky NM, Johnson G, Krinsky GA, Weinreb JC. ACE-inhibitor-enhanced cine phase contrast MR measurements of renal artery velocity waveforms in patients with suspected renovascular hypertension. International Society for Magnetic Resonance in Medicine, 1999; International Society for Magnetic Resonance in Medicine Workshop on Flow and Motion in Cardiovascular MRI [poster]

27. **Lee VS**, Lavelle MT, Rofsky NM, Thomasson D, Laub G, Krinsky GA, Weinreb JC. Dynamic high-resolution isotropic breathhold T1-weighted 3D volumetric imaging of the abdomen: Validation and clinical application. [poster] International Society for Magnetic Resonance in Medicine, 1999

28. Krinsky G, Theise N, Rofsky NM, **Lee VS**, Mizrachi H, Weinreb J. MR imaging of hepatocellular carcinoma (HCC): Prospective evaluation with explant correlation. International Society for Magnetic Resonance in Medicine, 1999, Radiological Society of North America, 1999

29. **Lee VS**, Rusinek H, Johnson G, Yoon S, Kim R, Rofsky NM. ACE-inhibitor-enhanced ultra-low dose Gd-DTPA MR renography performed in conjunction with breath-hold Gd-MRA: Feasibility and preliminary work. Radiological Society of North America, 1999; Radiology 1999;213P:217.

30. Krinsky GA, Stemerman D, Lee VS, Yang BM, Rofsky NM, Weinreb JC. Rapid "Black blood" MR imaging of the thoracic aorta using half-fourier single shot turbo spin-echo (HASTE) imaging with or without ECG triggering. Radiology 1999;213P:344.

31. Pandharipande PV*, **Lee VS**, Roy MC, Teperman L, Krinsky GA, Rofsky NM. Vascular and extravascular complications of liver transplantation: Comprehensive evaluation with 3D volumetric MR imaging. International Society for Magnetic Resonance in Medicine, 2000; Society of Computed Body Tomography and Magnetic Resonance, 2000

32. Lavelle MT*, **Lee VS**, Krinsky GA, Weinreb JC, Rofsky NM. Volumetric interpolated isotropic 3D MR imaging versus digital subtraction angiography in the evaluation of hepatic arterial anatomy. International Society for Magnetic Resonance in Medicine International Society for Magnetic Resonance in Medicine, 2000

33. **Lee VS**, Rusinek H, Johnson G, Rofsky NM. ACE-inhibitor-enhanced ultra-low dose Gd-DTPA MR renography in conjunction with breath-hold Gd-MRA. International Society for Magnetic Resonance in Medicine, 2000; Society of Computed Body Tomography and Magnetic Resonance, 2000
    Lauterbur Award

34. **Lee VS**, Teperman L, Berman PM, Lombardo F, Reuss PM, Krinsky GA, Rofsky NM. MR imaging as the sole pre-operative imaging modality for living related liver transplantation donor evaluation: Preliminary results. [poster] International Society for Magnetic Resonance in Medicine, 2000

35. Rusinek H, **Lee VS**, Johnson G, Huang A, Ton A. Optimal dose of Gd-DTPA in dynamic MR studies. [poster] International Society for Magnetic Resonance in Medicine, 2000

36. Morgan GR, **Lee V**, Rofsky N, John D, Diflo T, Krinsky G, Rosen R, Schlossberg P, Teperman L. MRI as the sole pre-operative imaging modality for living related liver transplant donor evaluation. [poster] Transplant 2000, abstract in Transplantation 2000; 69:S176

37. **Lee VS**, O'Donnell T, Gupta A, Aharon S, Funka-Lea G, Bundy J. MR measurements of LV volumes and ejection fractions: Evaluation of a new contour-fitting three-dimensional model. Radiological Society of North America, 2000; Radiology 2000;217 Suppl.

38. Pandharipande PV*, **Lee VS**, Reuss PM, Charles HW, Rosen RJ, Rofsky NM. Stable table two-station bolus chase MR angiography: A simple, effective, and low-cost approach to the evaluation of peripheral vascular disease. Radiological Society of North America, 2000

39. Lavelle MT*, **Lee VS**, Krinsky GA, Phillips RR, Rofsky NM, Weinreb JC. Is MR HASTE imaging sufficient to characterize renal cysts? Radiological Society of North America, 2000; Radiology 2000;217:581.

40. Krinsky GA, **Lee VS**, Nguyen MT, Rofsky NM, Theise ND, Morgan G, Teperman L, Weinreb JC. Siderotic nodules in the cirrhotic liver at MR imaging with explant correlation. Radiological Society of North America, 2000

41. Morgan GR, **Lee VS**, Krinsky G, Rofsky N, John D, Diflo T, Teperman L. Duct to duct biliary anastomosis with T-tube drainage in adult right lobe living donor liver transplantation (LDLT) without bile leaks. American Association for the Study of Liver Diseases, 2000, abstract in Hepatology 2000;32(4):214A

42. Dagher F, **Lee V**, Rofsky N, Morgan GR. Adult living donor liver transplantation: selection process and exclusion criteria. American Association for the Study of Liver Diseases, 2000, abstract in Hepatology 2000; 32(4):252A

43. **Lee VS**, Rusinek H, Kim S, Leonard E, Lee P, Kramer E, Johnson G, Weinreb JC, Rofsky NM. 3D MR renography: Regional characterization of renal function by multicompartmental modeling. Society for Computed Body Tomography/Magnetic Resonance 2001.
Junior Investigator Award

44. Wetzel SG*, Tan A, Heid O, Rofsky NM, Johnson G, **Lee VS**. Real-time interactive duplex MR: Application in neurovascular imaging. International Society for Magnetic Resonance in Medicine, 2001; 9:373

45. **Lee VS**, Rusinek H, Lee P, Johnson G, Veniero JC, Laub G, Krinsky GA, Weinreb JC. Dynamic three-dimensional (3D) MR renography: Preliminary feasibility studies. [poster] International Society for Magnetic Resonance in Medicine, 2001;9:2058

46. **Lee VS**, Rusinek H, Kim S, Leonard E, Lee P, Johnson G. Analysis of dynamic three-dimensional (3D) MR renography: Regional characterization by multicompartmental modeling. [poster] International Society for Magnetic Resonance in Medicine, 2001; 9:2059

47. **Lee VS**, Krinsky GA, Tan A, Rofsky NM, Morgan GR, Teperman LW, Lavelle MT, Berman P, Weinreb JC. Volumetric mangafodipir-enhanced MR cholangiography to define intrahepatic biliary anatomy. Society for Computed Body Tomography/Magnetic Resonance 2001; International Society for Magnetic Resonance in Medicine, 2001; 9:419

48. **Lee VS**, Resnick D, Lee P, Bundy J, Simonetti O, Laub G, Krinsky GA, Weinreb JC. Cardiac function evaluation in a single breath-hold: Real-time true FISP cine imaging. [poster] International Society for Magnetic Resonance in Medicine, 2001; 9:1879

49. **Lee VS**, Rusinek H, Lee P, Kramer EL, Lavelle MT, Weinreb JC. Dynamic three-dimensional MR renography for the measurement of glomerular filtration rate. Radiological Society of North America, 2001; Radiology 2001;221:633-4; American Society of Nephrology, 2001 [poster]

50. Boykov Y, **Lee VS**, Rusinek H, Bansal R. Segmentation of dynamic N-D data sets via graph cuts using Markov models. Proceedings of the 4th International Conference on Medical Image Computing and Computer-Assisted Intervention (MICCAI), Utrecht: Springer-Verlag, 2001, pp 1058-1066

51. Morgan GR, **Lee V**, Krinsky G, Lavelle M, Diflo T, John D, Teperman L. Single duct-to-duct anastomosis in adult right lobe living donor transplantation minimizes biliary complications. Am J Transpl 2001 Suppl 1(1):369

52. Morgan GR, **Lee V**, Krinsky G, John D, Diflo T, Tobias H, Teperman L. Right lobe donors: Correlation of residual liver volume with hepatic function in the immediate postoperative period. Abstract in Am J Transpl 2001 Suppl 1(1):262

53. Lavelle MT, **Lee VS**, Krinsky GA, Tan A, Rofsky NM, Morgan GR, Teperman LW, Berman P, Weinreb JC. T1-weighted contrast-enhanced MR cholangiography versus T2-weighted MRCP to define intrahepatic biliary anatomy in the nondilated system. Radiological Society of North America, 2001; Radiology 2001;221:629.

54. Krinsky GA, Zivin SB, Thorner KM, **Lee VS**, Weinreb JC, Theise ND. Low-grade siderotic dysplastic nodules: Premalignant lesions based on vascular phenotype. Radiological Society of North America, 2001

55. Schettino CJ, Noz ME, Kramer E, **Lee V**, Taneja S, Lepor H. Impact of Image Fusion of 111In Capromab Pendetide with MR or CT in Patients with Recurrent Prostate. Society of Nuclear Medicine. June 25, 2001, Toronto, Canada. J Nucl Med 2001; 42:294P

56. **Lee VS**, Rusinek H, Kramer EL, Noz M, Raghavan M, Lee P, Kim S, Weinreb JC. MR renography for the measurement of split renal function. Society for Computed Body Tomography/Magnetic Resonance 2002
    Cum Laude Award
57. Chung Y-C, **Lee VS**, Simonetti OP. Inversion recovery cine trueFISP for optimizing TI in myocardial infarct imaging. International Society for Magnetic Resonance in Medicine, 2002

58. Boykov Y, Rusinek H, Sajous B, Bansal R, Lee VS. Semi-automated segmentation of dynamic 3D contrast-enhanced MR renography using graph cuts. International Society for Magnetic Resonance in Medicine, 2002 [poster]

59. Morgan G, Lavelle M, Krinsky G, **Lee V**, Diflo T, John D, et al. Recipients are rarely denied right lobe living donor liver transplantation solely because of donor billary anomalies. American Association for the Study of Liver Diseases, 2002; Hepatology 2002;36:675A.

60. **Lee VS**, Resnick D, Tiu S, Sanger JJ, Nazzaro CA, Simonetti OP. Magnetic resonance imaging evaluation of myocardial viability in the setting of equivocal sestamibi exams. American Heart Association 2002; Circulation 2002;106:389-90.

61. Kim DC*, Friedman B, Hecht EM, Hahn WY, Simonetti OP, **Lee VS**. Cardiac viability: evaluation of single breath hold 2D and 3D true FISP sequences for the evaluation of myocardial infarct. Society for Computed Body Tomography/Magnetic Resonance 2003

62. **Lee VS**, Rusinek H, Huang AJ, Leonard E, Kramer EL. Single kidney GFR measured using 3D MR renography and a multicompartmental model. International Society for Magnetic Resonance in Medicine 2003

63. Huang AJ*, Boykov Y, Rusinek H, **Lee VS**. Validation of a graph cuts algorithm for semi-automated segmentation of magnetic resonance renographic images. International Society for Magnetic Resonance in Medicine 2003 [poster]

64. Hahn W*, Hecht E, Friedman B, **Lee VS**. Distal lower extremities: Prospective comparison of 2D time-of-flight, 3D time-resolved contrast-enhanced MR angiography, and 3D bolus chase contrast-enhanced MR angiography. International Society for Magnetic Resonance in Medicine 2003

65. Pandharipande PV*, Krinsky GA, Rusinek HR, **Lee VS**. Perfusion imaging of the liver using time-resolved, contrast-enhanced, whole-liver MR imaging: comparison of fractional arterial flow in cirrhotic versus non-cirrhotic patients. International Society for Magnetic Resonance in Medicine 2003

66. Hecht EM*, Israel GM, Cha JP, Hahn WY, Kim DC, Krinsky GA, **Lee VS**. Diagnosis of renal malignancy by MR imaging: Are quantitative measures of enhancement valid? International Society for Magnetic Resonance in Medicine 2003

67. Finkielstein V, Goldfarb DS, Nadkarni V, Huang A, Rusinek H, **Lee VS**. Single kidney glomerular filtration rate (GFR) based on dynamic contrast magnetic resonance imaging (MRI) and a multicompartmental model. American Society of Nephrology, 2003; J Am Soc Nephrology 2003;14:614A.

68. Cha JP, **Lee VS**, Krinsky GA, John D, Diflo T, Teperman L, et al. Right lobe liver donors: Association between hepatic arterial, portal venous, and biliary anatomic variants. American Association for the Study of Liver Diseases, 2003; Hepatology 2003;38:653A.

69. Sajous JB*, Boykov Y, Chefdhotel C, Rusinek H, **Lee VS**. Performance of semi-automatic registration and segmentation on 4D contrast-enhanced magnetic resonance renography. Radiological Society of North America 2003 [poster walking tour]

70. Gupta A*, Chung Y-C, Kim DC, Simonetti OP, **Lee VS**. Inversion time mapping for optimizing myocardial infarct MR imaging. Radiological Society of North America 2003

71. Huang AJ*, Chen Q, Rusinek H, Chung Y-C, **Lee VS**. Accurate T1 quantification using a breath-hold inversion recovery true FISP sequence. Radiological Society of North America 2003

72. Huang AJ*, Boykov Y, Rusinek H, Chefdhotel C, **Lee VS**. Semiautomatic image processing of dynamic contrast-enhanced renal MRI. Radiological Society of North America 2003.

73. Cha JP*, **Lee VS**, Krinsky GA, Morgan GR, John D, Diflo T, Teperman LW. Liver transplant donor candidates: Association between hepatic arterial, portal venous, and biliary anatomic

variants. Radiological Society of North America 2003; American Association for Liver Diseases 2003.

74. Zhang J*, Krinsky GA, **Lee VS**. Volumetric MR cholangiopancreatography with 3D turbo spin echo and sparallel acquisition technique. International Society for Magnetic Resonance in Medicine 2004.

75. **Lee VS**, Krinsky GA, Nazzaro GA, Chang JS, Babb JS, Lin JC, Zhang J, Morgan GR, Teperrman LW. Mangafodipir-enhanced 3D MR cholangiography versus conventional T2-weighted MR cholangiography for intrahepatic biliary anatomy in living liver transplant donor candidates. International Society for Magnetic Resonance in Medicine 2004.

76. Song T, An J, Chen Q, **Lee V**, Laine A. Assessment of adipose tissue from whole body 3T MRI scans. Annual International Conference of the IEEE Engineering in Medicine and Biology – Proceedings 2005:7.

77. Rusinek H, Finn M, Pandharipande PA, Krinsky GA, **Lee VS**, Hagiwara M, Taouli B. Characterization of liver cirrhosis with a dual-input perfusion model. International Society for Magnetic Resonance in Medicine 2005; 13:333

78. Chang JS, Taouli B, Salibi N, **Lee VS**. Dual-echo in- and opposed-phase MRI for the quantification of hepatic steatosis on phantoms with MR spectroscopy to resolve ambiguity of fat or water dominance. International Society for Magnetic Resonance in Medicine 2005; 13:338.

79. **Lee VS**, Huang AJ, Kaur M, Rusinek H, Nazzaro CA, Kramer EL, Leonard E. Single kidney GFR measurements derived from a multicompartmental model analysis of 3D MR renography. International Society for Magnetic Resonance in Medicine 2005; 13:552.

80. Rusinek H, Chen Q, **Lee VS**. How to best distribute doses in a two-injection dynamic contrast MR renography study? International Society for Magnetic Resonance in Medicine 2005; 13:554.

81. Thakur RK, Hecht EM, Israel GM, Taouli B, **Lee VS**. MR evaluation of biliary anatomy: Comparison of conventional T2-weighted MR cholangiography, 3D T2-weighted MR cholangiography, and mangafodipir trisodium-enhanced MR cholangiography. International Society for Magnetic Resonance in Medicine 2005; 13:1896 [poster]

82. Thakur RK, Israel GM, **Lee VS**, Hecht EM, Taouli B. Diffusion-weighted MR imaging for characterization of renal masses: Preliminary results. International Society for Magnetic Resonance in Medicine 2005; 13:1914 [poster]

83. Kaur M*, Huang AJ, Chen Q, An J, Rusinek H, Nazzaro C, Millan E, Noz M, Kramer E, **Lee VS**. What causes diminished corticomedullary differentiation in renal insufficiency? International Society for Magnetic Resonance in Medicine 2005; 13:1917 [poster]

84. Song T, **Lee VS**, Rusinek H, Sajous JB, Laine AF. Registration and segmentation of dynamic three-dimensional MR renography based on Fourier representations and k-means clustering. International Society for Magnetic Resonance in Medicine 2005; 13:2266 [poster]

85. Taouli B, Israel GM, Macari M, Morgan GR, Teperman LW, Moses DA, Hecht EM, **Lee VS**. Comprehensive evaluation of potential liver transplant donors: Comparison of MRI with 3D

MRCP and CT with CT cholangiography. International Society for Magnetic Resonance in Medicine 2005;13:2829 [poster]

86. Song T, **Lee VS**, Rusinek H, Kaur M, Laine AF. Automatic 4-D registration in dynamic MR renography based on over-complete dyadic wavelet transform and Fourier transform. MICCAI 2005

87. Song T, **Lee VS**, Rusinek H, Kaur M, Laine AF. Automatic 4-D registration in dynamic MR renography. IEEE Engr in Medicine and Biology Society 2005

88. Morgan GR, Taouli B, Israel GM, Macari M, Moses DA, Hecht E, **Lee VS**. Comprehensive evaluation of potential right lobe liver donors: Comparison of MRI with 3D MRCP and CT with CT cholangiography. Am J Transplantation 2005;5:209.

89. Song T, **Lee VS**, Rusinek H, Wong S, Laine AF. Integrated four dimensional registration and segmentation of dynamic renal MR images. Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); 2006; 9:758.

90. Bokacheva L, Huang A, Rusinek H, Kaur M, Chen Q, Kramer E, Leonard E, **Lee VS**. Comparison of Two Methods to Determine Single Kidney GFR from MR Renography: A Multicompartmental Model and Patlak-Rutland Analysis. International Society for Magnetic Resonance in Medicine 14th Scientific Meeting, Seattle, Washington 2006

91. Bokacheva L, Huang A, An J, Oesignmann N, Rusinek H, Chen Q, **Lee VS**. Single Breath-Hold *T*1 Measurements Using Segmented Inversion Recovery Prepared TrueFISP Sequence at 3 T. International Society for Magnetic Resonance in Medicine 2006

92. Bokacheva L, Prince K, Rusinek H, Oesignmann N, Chen Q, Kaur M, Huang A, **Lee VS**. Conversion of the MR signal intensity to Gd-DTPA concentration in contrast-enhanced MR renography. International Society for Magnetic Resonance in Medicine 2006

93. Parikh T, Drew S, Wong S, **Lee VS**, Hecht E, Taouli B. Focal Liver Lesion Detection and Characterization: Comparison of SSEPI diffusion-weighted imaging with T2-weighted imaging; Early experience. International Society for Magnetic Resonance in Medicine 2006 (poster) and ESGAR-SGR 2006

94. Wong S, Mikheev A, Rusinek H, **Lee VS**, Taouli B. Voxel-based analysis of dynamic 3D perfusion Images: Preliminary results in chronic liver disease. International Society for Magnetic Resonance in Medicine 2006 (oral) and ESGAR-SGR 2006

95. Xu J, Oesingmann N, Voorhees A, Stemmer A, **Lee VS**, An J, Stoeckel B, Chen Q. Non-contrast time resolved pulmonary MRA with ECG-triggered 3D HASTE. International Society for Magnetic Resonance in Medicine 2006 [e-poster]

96. Xu J, Oesingmann N, Stemmer A, McGorty K, Hecht E, Lim RP, Chen Q, Stoeckel B, **Lee VS**. Reduced acquisition window with parallel technique improves non contrast 3D HASTE MRA imaging. International Society for Magnetic Resonance in Medicine 2006 [poster]

97. Xu J, Ruff J, Stemmer A, Brown MA, Roell S, Boettcher U, Vorbuchner M, Salibi N, Stoeckel B, Taouli B, **Lee VS**. In Vivo 1H liver spectroscopy with free breathing 2D PACE. International Society for Magnetic Resonance in Medicine 2006 [poster]

98. Song T, **Lee**, Rusinek H, Wong S, Laine A. An iterative framework for registration and segmentation of dynamic three-dimensional MR renography. International Society for Magnetic Resonance in Medicine 2006

99. Kim, D*, Srichai, MB, **Lee VS**. Bright-blood delayed contrast-enhanced imaging for improving the CNR between endocardial scar and blood, Abstract No. 1726. International Society for Magnetic Resonance in Medicine 2006

100. Pai VM, Voorhees A, Hecht E, Axel L, **Lee VS**. High temporal resolution phase contrast MRI using SSFP. International Society for Magnetic Resonance in Medicine 2006

101. Drew SJ, Shock S, Taouli B, Hecht M, Parikh T, Lim RP, Krocker R, Xu J, **Lee VS**. Time-Resolved Echo-sharing Angiographic Technique used In conjunction with Volume-Interpolated Breath-Hold Examination MRI (TREAT-VIBE):Feasibility of a 3-D technique for evaluation of the liver with high temporal resolution using a triple-arterial phase acquisition. International Society for Magnetic Resonance in Medicine 2006, Society for Computed Body Tomography/Magnetic Resonance2006
Cum laude award

102. Lim RP, Hecht EM, Xu J, Wong S, Babb JS, Gagne P, Taouli B, Drew SJ, Parikh T, **Lee VS**. Non-gadolinium enhanced MRA of the distal lower extremities. International Society for Magnetic Resonance in Medicine 2006

103. Kim, S, Jain M, Hecht E, **Lee VS**, Taouli B. Characterization of T1 hyperintense renal masses with diffusion-weighted MR imaging: Preliminary experience. Society for Computed Body Tomography/Magnetic Resonance 2006

104. Song T, Laine AF, Chen Q, Rusinek H, Laub G, Kroeker R, Bokacheva L, **Lee VS**. A new spiral K-space sampled time-resolved MR optimization approach for 4D MR renography. International Society for Magnetic Resonance in Medicine 2007; 15:402

105. Bokacheva L, Rusinek H, Chen Q, Oesingmann N, Kaur M, **Lee VS**. Estimating single kidney glomerular filtration rate from MR renography: Is cortical and medullary segmentation necessary? International Society for Magnetic Resonance in Medicine 2007; 15:404

106. Zhang JL, Bokacheva L, Rusinek H, Chen Q, Song T, Oesingmann N, **Lee VS**. Deconvolution approach to multi-compartmental modeling: Characterizing intra-renal transport of gadolinium contrast. International Society for Magnetic Resonance in Medicine 2007; 15:406

107. Kim S, Jain M, Hecht EM, **Lee VS**., Taouli B. Characterization of T1 hyperintense renal lesions with diffusion-weighted imaging: Preliminary experience. International Society for Magnetic Resonance in Medicine 2007; 15:2736.

108. Song T, Laine AF, **Lee VS**., Ko J, Pass H, Nonaka D, Zhang K, Chen Q. Automatic registration of lung nodules on 4D dynamic contrast enhanced MR images. International Society for Magnetic Resonance in Medicine 2007; 15:2762

109. Jacob JS, Kim DC, **Lee VS**. Dynamic magnetic resonance ureterography: Initial experience with contrast-enhanced, highly time-resolved evaluation of ureteral peristalsis. International Society for Magnetic Resonance in Medicine 2007; 15:3053

110. Jacob JS, Hecht EM, Danny C. Kim,. Babb JS, Carson R, Taouli B, Oesingmann N, Kim S, Harris AB., **Lee VS**. Highly time-resolved lower extremity MRA with TWIST, a novel data-sharing 3D gradient echo sequence with spiral k-space filling. International Society for Magnetic Resonance in Medicine 2007; 15:3126

111. Xu J, Salibi N, Ruff J, Brown MA , Stemmer A, Roell S, Stoeckel B, Taouli B, McGorty K, **Lee VS**. In Vivo 1H CSI in the abdomen with free-breathing prospective acquisition correction. Abstract No. 3164. International Society for Magnetic Resonance in Medicine 2007; 15:3164

112. Song T, Laine AF, Chen Q, Rusinek H, Laub G, Kroeker R, Bokacheva L, **Lee VS**. A Quantitative simulation approach for optimization of spiral k-space-sampled time-resolved contrast-enhanced MRA. International Society for Magnetic Resonance in Medicine 2007; 15:3361

113. Prince CN, Oesingmann N, McGorty K, **Lee VS**. Optimization of in-phase and opposed-phase imaging at 3T for abdominal MRI. International Society for Magnetic Resonance in Medicine 2007; 15:3837

114. Zhang JL, Rusinek H, Bokacheva L, Chen Q, Prince C, Oesingmann N, Song T, **Lee VS**. Assessment of renal function with MR renography: Impulse retention approach to a multi-compartmental model. Radiological Society of North America 2007

115. Song T, **Lee VS**, Rusinek H, Chen Q, Bokacheva L, Laine A. Segmentation of 4D MR renography images using temporal dynamics in a level set framework. 2008 5th IEEE International Symposium on Biomedical Imaging: From Nano to Macro, Proceedings, ISBI 2008.

116. Xu J, Weale P, Laub G, Chen Q, Schmitt P, Park J, Lim R.P., Stoeckel B, Storey P, Hardie A, Hecht E, McGorty K, **Lee VS**. A novel non-contrast MR angiography technique using triggered non-selective refocused SPACE for improved spatial resolution and speed. International Society for Magnetic Resonance in Medicine 2008

117. Bokacheva L, Rusinek H, Prince K, Kaur M, Diflo T, John D, Benstein J, Barisoni-Thomas L, **Lee VS**. Evaluation of dysfunctional renal transplants using low-dose MR renography. International Society for Magnetic Resonance in Medicine 2008 [eposter]

118. Song T, Storey P, Chen Q, Rusinek H, Lim R, Laine AF, **Lee VS**. The effect of time-resolved k-space sampling on contrast-enhanced MRA: A method to optimize imaging parameters. International Society for Magnetic Resonance in Medicine 2008 [eposter]

119. Song T, Rusinek H, Chen Q, Bokacheva L, Zhang JL, Laine AF, **Lee VS**. Temporal dynamics 4D level set method for segmentation of MR renography images. International Society for Magnetic Resonance in Medicine 2008

120. Zhang JL, Rusinek H, Bokacheva L, Chen Q, Storey P, Prince C, Lee VS. Glomerular filtration rate measurements by dual-injection MR renography. International Society for Magnetic Resonance in Medicine 2008 [eposter]

121. Zhang JL, Rusinek H, Chen Q, Storey P, Bokacheva L, Song T, **Lee VS**. Assessment of renal function using MR renography without aortic input information. International Society for Magnetic Resonance in Medicine 2008

122. Chandarana H, Lim R, Losada M, Hecht E, Kim D, Taouli B, **Lee VS**. Diagnosis of hepatic siderosis with a novel breath-hold multi-echo T2* sequence in patients with chronic liver disease. International Society for Magnetic Resonance in Medicine 2008

123. Hardie A, Naik M, Hecht E, Chandarana H, Taouli B, **Lee VS**. Diagnosis of liver metastatic lesions: Performance of diffusion-weighted imaging compared to contrast-enhanced T1-weighted imaging. International Society for Magnetic Resonance in Medicine 2008

124. Naik M, Hardie A, Chandarana H, Hajdu C, Taouli B, **Lee VS**. Diffusion-weighted imaging for detection and staging of urothelial neoplasms. International Society for Magnetic Resonance in Medicine 2008

125. Kim S, Chefdhotel C, Rueff L, Lim R, **Lee VS**. Dynamic MRI Evaluation of small bowel peristalsis pattern using software: A feasibility study. International Society for Magnetic Resonance in Medicine 2008.

126. Naik M, Mannelli L, Chandarana H, Taouli B, **Lee VS**. Hepatocellular Carcinoma: Assessment of tumor oxygenation with BOLD MRI. International Society for Magnetic Resonance in Medicine 2008

127. Lim R, Hardie A, Hecht E, Kim D, Xu J, Storey P, Mulholland TP, Kim S, Babb J, **Lee VS**. Non contrast enhanced MRA of the lower extremities using an ECG-gated variable flip angle 3D fast spin echo sequence. International Society for Magnetic Resonance in Medicine 2008

128. Xu J, Weale P, Gerhard L, Schmitt P, Park J, Stoeckel B, Chen Q, Lim R, Hardie A, Storey P, Hecht E, Mcgorty K, **Lee VS**. A novel non-contrast MR angiography technique using triggered non-selective refocused SPACE for improved spatial resolution and speed. International Society for Magnetic Resonance in Medicine 2008

129. Chandarana H, Naik M, Storey P, Taouli B, **Lee VS**. Renal cortical and medullar oxygenation changes after oxygen challenge: Evaluation with BOLD MRI. International Society for Magnetic Resonance in Medicine 2008

130. Song T, Rusinek H, Chen Q, Bokacheva L, Zhang JL, Laine AF, **Lee VS**. Temporal dynamics 4D level set method for segmentation of MR renography images. International Society for Magnetic Resonance in Medicine 2008

131. Story P, **Lee VS**, Sodickson DK, Santoro D, Zhang B, Lim RP, Atanasova IP, Stoffel DR, Chen Q, Wiggins GC. B1 inhomogeneity in the thigh at 3T and implications for peripheral vascular imaging. International Society for Magnetic Resonance in Medicine 2009; 17:425

132. Wong S, Kim S, Hindman N, Sahlein D, **Lee VS**. Characterization of renal masses: Is there a threshold for differentiating noise from true enhancement on subtraction imaging? International Society for Magnetic Resonance in Medicine 2009; 17:4103

133. Atanasova IP, Storey P, Lim RP, Xu J, Chen Q, Laine A, **Lee VS**. Effect of flip angle evolution on flow sensitivities in ECG-gated fast spin echo MRA methods at 3T. International Society for Magnetic Resonance in Medicine 2009;17:422.

134. Chandarana H, **Lee VS**, Stoffel D, Barisoni-Thomas L, John DG, Diflo T, Sigmund EE. Evaluation of normal and dysfunctional renal transplants using DTI. International Society for Magnetic Resonance in Medicine 2009;17;4112.

135. Lim RP, Storey P, Atanasova IP, Xu J, Hecht EM, Stoffel DR, Chang H, Mcgorty K, Chen Q, Rusinek H, Belmont HM, **Lee VS**. High resolution non contrast enhanced MRA of the hand arteries at 3 Tesla using an ECG-triggered variable flip angle 3D fast spin echo (SPACE) sequence. International Society for Magnetic Resonance in Medicine 2009;17:3878.

136. Lim RP, Storey, P, Atanasova IP, Kim DC, Hecht EM, Stoffel D, Xu J, Chen Q, Rusinek H, **Lee VS**. Highly accelerated non contrast enhanced MRA of the lower extremity arteries at 3 Tesla using an ECG-triggered variable flip angle 3D fast spin echo (SPACE) sequence. International Society for Magnetic Resonance in Medicine 2009; 17:3904

137. Zhang JL, Rusinek H, K. Prince, Chandarana H, D. Stoffel, Bokacheva L, Chen Q, Storey, P, **Lee VS**. Measuring renal function during routine clinical MR exams: Is 5 min. enough? International Society for Magnetic Resonance in Medicine 2009; 17:4134

138. Lo C, Pramanik BK, Kim D, Bi XX, Weale P, Nazarenko A, Mulholland TP, Knopp EA, **Lee VS**, Lim RP. Non contrast MRA of the extracranial carotid arteries utilizing a 3D ECG-triggered balanced steady state free precession technique with spatial saturation. International Society for Magnetic Resonance in Medicine 2009; 17:93.

139. Zhang JL, Sigmund EE, Rusinek H, H. Chandarana, Chen Q, Storey, P, Bokacheva L, **Lee VS**. Quantification of renal diffusion-weighted images using a bi-exponential model. International Society for Magnetic Resonance in Medicine 2009; 17:4111.

140. Chandarana H, **Lee VS**, Barash I, Sigmund EE. Understanding renal DTI at 3T: FA and MD changes with water loading. International Society for Magnetic Resonance in Medicine 2009; 17:405.

141. Zhang JL, Rusinek H, Bokacheva L, Chen Q, Storey, P, **Lee VS**. Use of cardiac output to improve measurement of tracer input function in dynamic contrast-enhanced MRI. International Society for Magnetic Resonance in Medicine 2009;17:307.

142. Zhang JL, Sigmund EE, Rusinek H, H. Chandarana, Chen Q, Storey, P, Bokacheva L, **Lee VS**. Variability of renal ADC: limitations of monoexponential model. International Society for Magnetic Resonance in Medicine 2009;17:4110.

143. Vivier PH, Storey P, Rusinek H, Zhang JL, Yamamoto A, Tantillo K, Lim R, Khan U, Babb J, John D, Teperman LW, Friedman K, Benstein J, Skolnik E, **Lee VS**. Glomerular filtration rate in cirrhotic patients by MR renography. American Association for the Study of Liver Diseases. Boston, 2010 [poster]; Hepatology 2010;52:963A-4A.

144. Vivier PH, Storey P, Zhang JL, Yamamoto A, Tantillo K, Lim RP, Babb JS, Rusinek H, John D, Teperman LW, Friedman K, Benstein J, Skolnik E, **Lee VS**. Glomerular filtration rate measurement by MRI in cirrhotic patients. French Congress of Radiology, 2010. [poster]

Awarded by the French Society of Radiology

145. Vivier PH, Storey P, Oesingmann N, Rusinek H, **Lee VS**. Impact of table positioning on inflow artifacts. French Congress of Radiology, 2010 [poster]

146. Vivier PH, Storey P, Chandarana H, Sigmund E, Yamamoto A, Tantillo K, Zhang JL, Rusinek H, **Lee VS**. Comparison of furosemide and oral hydration as stimulation tests for kidney BOLD imaging. French Congress of Radiology, 2010 [poster]

147. Vivier PH, Storey P, Oesingmann N, Rusinek H, **Lee VS**. Impact of table positioning on inflow artifacts for abdominal aortic input function measurement by MRI. Radiological Society of North America. Chicago, 2010

148. Vivier PH, Storey P, Zhang JL, Yamamoto A, Tantillo K, Lim RP, Babb JS, Rusinek H, John D, Teperman LW, Friedman K, Benstein J, Skolnik E, **Lee VS**. Glomerular filtration rate measurement by MRI in cirrhotic patients. French Congress of Radiology, 2010.
Awarded by the French Society of Radiology: "Young researcher communication"

149. Vivier PH, Storey P, Oesingmann N, Rusinek H, **Lee VS**. Impact of Table Positioning on Inflow Artifacts. French Congress of Radiology, 2010

150. Rosenkrantz AB, Storey P, Niver B, Hajdu C, **Lee VS**. Diagnosis of cirrhosis with MRI: Is magnetization transfer contrast worth pursuing? International Society for Magnetic Resonance in Medicine 2010 [poster]

151. Atanasova IP, Lim RP, Guo H, Kim D, Storey P, McGorty K, Laine A, **Lee VS**. Non-contrast inversion recovery balanced SSFP MRA of the abdominal aorta at 3T: Predicting optimal inversion times by blood velocity measurement. International Society for Magnetic Resonance in Medicine 2010 [poster]

152. Zhang JL, Rusinek H, Chandarana H, Storey P, Sigmund EE, Vivier PH, Chen Q, Guo H, **Lee VS**. Functional renal imaging with BOLD: validation of a model for R2* in kidney cortex and medulla. International Society for Magnetic Resonance in Medicine 2010 [poster]

153. Zhang JL, Sigmund EE, Chandarana H, Rusinek H, Guo H, Storey P, Chen Q, **Lee VS**. Optimization of the b-sampling for bi-exponential analysis of diffusion-weighted imaging. International Society for Magnetic Resonance in Medicine 2010 [poster]

154. Sigmund EE, Vivier PH, Lamparello N, Sui D, Mikheev A, Rusinek H, **Lee VS**, Zhang L, Chandarana H. Intravoxel incoherent motion (IVIM) and diffusion tensor imaging (DTI) in healthy kidney: Influence of renal flow challenge. International Society for Magnetic Resonance in Medicine 2010

155. Storey P, Lim RP, Chatterji M, Xu J, Guo H, Stoffel DR, **Lee VS**. Arterial flow characteristics in the presence of vascular disease, and implications for non-contrast MRA. International Society for Magnetic Resonance in Medicine 2010

156. Yamamoto A, Zhang JL, Rusinek H, Chandarana H, Babb J, Diflo T, John D, Benstein J, Vivier PH, Stoffel D, **Lee VS**. Quantitative evaluation of acute renal transplant dysfunction with low-dose 3D MR renography. International Society for Magnetic Resonance in Medicine 2010 [poster]

International Society for Magnetic Resonance in Medicine Poster Award: 1st Prize

157. Storey P, Otazo R, Fleysher L, Oesingmann N, Lim RP, **Lee VS,** Sodickson DK. Exploiting sparsity in the difference images to achieve higher acceleration factors in non-contrast MRA. International Society for Magnetic Resonance in Medicine 2010

158. Srichai MB, Kronzon I, Wnorowski A, Axel L, Nayar A, Perk G, Fisch L, **Lee VS**. Incremental benefit of cardiovascular MRI in the evaluation of patients with systemic embolism. International Society for Magnetic Resonance in Medicine 2010 [eposter]

159. Vivier P-H, Storey P, Zhang J, Yamamoto A, Tantillo K, Lim RP, Babb J, Rusinek H, John D, Teperman L, Friedman K, Benstein J, Skolnik E, **Lee VS**. Determination of glomerular filtration rate in cirrhotic patients by MR renography: pilot study. International Society for Magnetic Resonance in Medicine 2010

160. Chandarana H, **Lee VS**, Hecht E, Taouli B, Sigmund EE. Diffusion weighted imaging with biexponential analysis of intravoxel incoherent motion in assessment of renal lesions: Preliminary experience. International Society for Magnetic Resonance in Medicine 2010

161. Guo H, Atanasova I, Lim R, Storey P, Xu J, Chen Q, Rusinek H, Fan Z, Li D, **Lee VS**. Non-contrast MRA of lower extremities using balanced SSFP with flow-sensitive dephasing (FSD) at 3T. International Society for Magnetic Resonance in Medicine 2010 [poster]

162. Atanasova IP, Lim RP, Kim D, Storey P, **Lee VS**. Three station non-contrast-enhanced angiography of the aortoiliac and lower extremity arteries at 1.5T. MR Angiography Club 2010

163. Lim RP, Storey P, Atanasova IP, Kim D, **Lee VS**. FSE-based non-contrast-enhanced peripheral MRA: Improving robustness. MR Angiography Club 2010

164. Storey P, Bruno MT, Lim RP, Chandarana H, Stoffel D, **Lee VS**. Three-station MR angiography with high-resolution steady-state vascular imaging using ferumoxytol. International Society for Magnetic Resonance in Medicine 2010 [eposter]

165. Zhang J, Warner L, Rusinek H, Storey P, Chandarana H, Sigmund EE, Chen Q, Lerman LO, **Lee VS**. Establishment of a renal oxygen transit model based on BOLD MRI. International Society for Magnetic Resonance in Medicine 2010

166. Zhang J, Rusinek H, Khan U, Storey P, Stoffel D, Chen Q, **Lee VS**. Significant improvement in reproducibility of DCE-MRI achieved using cardiac-output based constraint of arterial input function. International Society for Magnetic Resonance in Medicine 2011 [eposter]

167. Zhang J, Storey P, Rusinek H, Chandarana H, Wauchope M, Bhatta R, Stoffel D, Sigmund EE, Chen Q, **Lee VS**. Reproducibility of R2* and R2 measurements in human kidneys. International Society for Magnetic Resonance in Medicine 2011[eposter]

168. Kang S, Huang W, Zhang J, Stifelman, MB, Arhakis, S, **Lee VS**, Chandarana H. DCE MR renography measurement of renal function in patients undergoing partial nephrectomy. International Society for Magnetic Resonance in Medicine 2011 [eposter]

169. Lim RP, Fan Z, Chatterji M, Baadh A, Atanasova I, Storey P, Kim D, Kim S, Hodnett P, Ahmad A, Stoffel D, Babb JS, Kim D, Chen Q, Xu J, Li D, **Lee VS**. Non-contrast-enhanced peripheral

MRA: Comparison of 3D fast spin-echo based and flow sensitive dephasing prepared steady state free precession techniques at 1.5 T. International Society for Magnetic Resonance in Medicine 2011 [eposter]

170. Kim D, Dyvorne HA, Otazo R, Feng L, Sodickson D, **Lee VS**. Accelerated phase-contrast MRI using compressed sensing and parallel imaging. International Society for Magnetic Resonance in Medicine 2011

171. Chandarana H, Rosenkrantz AB, Lim RP, Kim D, Mossa D, Arhakis K, Kiefer B, Block TB, **Lee VS**. Radial k-space sampling for 3D fat-suppressed contrast-enhanced imaging of the liver during free breathing. International Society for Magnetic Resonance in Medicine 2011 [eposter]

172. Khan U, Vivier PH, Storey P, Yamamoto A, Rusinek H, Zhang L, Tantillo K, Lim RP, Babb J, Devon J, Stoffel D, Teperman L, Benstein J, Sigal S, Skolnik E, **Lee VS**. Renal cortico-medullary differentiation in liver cirrhotic patients: Is the pathology cortical or medullary or both? International Society for Magnetic Resonance in Medicine 2011 [eposter]

173. Kim D, **Lee VS**, Otazo R, Sodickson D, Storey P. Highly-Accelerated dynamic non-contrast MRA using a combination of compressed sensing and parallel imaging. International Society for Magnetic Resonance in Medicine 2011

174. Atanasova I, Kim D, **Lee VS**, Lim RP, Storey P. Noncontrast MR angiography for Comprehensive assessment of abdominopelvic arteries using quadruple inversion-recovery preconditioning and 3D balanced steady-state free precession imaging. International Society for Magnetic Resonance in Medicine 2011 [eposter]

175. Mikheev A, Rusinek H, **Lee VS**. Targeted coregistration of abdominal DCE MRI. International Society for Magnetic Resonance in Medicine 2011 [poster]

176. Rosenkrantz AB, Sigmund EE, Johnson G, Babb J, Mussi TC, Melamed J, Taneja SS, **Lee VS**, Jensen JH. Prostate cancer: Demonstration of a diffusional kurtosis model that has greater utility than standard diffusion weighted imaging for tumor detection and assessment of aggressiveness. Society for Computed Body Tomography/Magnetic Resonance 2011
Cum Laude Award

177. Zhang JL, Rusinek H, Conlin C, **Lee VS**. Feasibility of regional renal blood flow and vascular volume fraction measurement with cardiac-output corrected MR renography. International Society for Magnetic Resonance in Medicine 2012 [eposter]

178. Zhang JL, Rusinek H, Conlin C, **Lee VS**. Regional BOLD parameters are correlated with renal filtration and perfusion in healthy human kidneys. International Society for Magnetic Resonance in Medicine 2012 [eposter]

179. Mikheev A, Zhang JL, Heilbrun M, Gill T, Kang S, Chandarana H, Rusinek H, **Lee VS**. Performance of an automated segmentation algorithm for MR renography. International Society for Magnetic Resonance in Medicine 2012 [poster]

180. Atanasova I, Lim R, Chandarana H, Stoffel D, Bruno M, Kim D, **Lee V**. Clinical Validation of Non-contrast abdominal MRA with quadruple inversion-recovery prepared 3D b-SSFP. International Society for Magnetic Resonance in Medicine 2012 [eposter]

181. Atanasova I, Storey P, Kim D, Lim R, **Lee V**. ECG-gated fast spin echo MRA with interleaved acquisition of systolic and diastolic data for improved robustness to motion. International Society for Magnetic Resonance in Medicine 2012 [eposter]

182. Walvick RP, Lim RP, **Lee VS**. Simultaneous acquisition of quantitative ASL and T2* (SQUAB) for characterization of skeletal muscle hemodynamics. International Society for Magnetic Resonance in Medicine 2012

183. Rusinek H, Mikheev A, Morotitz L, Zeligman R, Wadghiri Y Zaim, **Lee VS** . Coregistration of dynamic contrast enhanced magnetic resonance images. Proceedings of 2012 Computer Assisted Radiology and Surgery. Pisa, Italy (June 27-30, 2012)

184. Notohamiprodjo M, Chandarana H, Mikheev A, Rusinek H, Grinstead J, Feiweier T, Raya JG, **Lee VS**, Sigmund EE. Combined Intravoxel Incoherent Motion and Diffusion Tensor Imaging of Renal Diffusion and Flow Anisotropy. Proc. International Society for Magnetic Resonance in Medicine 2012
Magna Cum Laude Merit Award

185. Kang SK, Ito T, Chandarana H, Zhang JL, **Lee VS**, Huang WC. Use of magnetic resonance renography to evaluate changes in functional renal volume and glomerular filtration rates in kidneys following partial nephrectomy for renal tumors. American Urological Association Annual Meeting; May 19-23, 2012; Atlanta, GA [eposter]
Best in Session Award

186. Conlin C, Zhang J, Heilbrun M, Rusinek H, Mikheev A, **Lee VS**. The influence of image registration and segmentation error on functional MR renography. International Society for Magnetic Resonance in Medicine 2013 [poster]

187. Morrell G, Jeong EK, Shi Z, Zhang J, **Lee VS**. Prospectively navigated multi-echo GRE sequence for improved 2D BOLD imaging of the kidneys. International Society for Magnetic Resonance in Medicine 2013 [poster]

188. Zhang J, Hanrahan C, Layec G, Mendes J, Hart C, Richardson R, **Lee VS**. Quantitative assessment of muscle oxygen saturation with BOLD MRI: validated by near-infrared spectroscopy (NIRS). International Society for Magnetic Resonance in Medicine 2013 [poster]

189. Mendes J, Hanrahan C, Zhang J, Layec G, Hart C, Richardson R, **Lee VS**. Simultaneous measurement of perfusion and BOLD changes in calf muscle during exercise. International Society for Magnetic Resonance in Medicine 2013 [eposter]

190. Rousset F, Vachet C, Conlin C, Heilbrun M, Zhang JL, **Lee VS**, Gerig G. Semi-automated application for kidney motion correction and filtration analysis in MR renography. International Society for Magnetic Resonance in Medicine 2014 [poster]

191. Conlin CC, Zhang JL, Heilburn ME, Carlston K, Kim D, Mortonl, KA, **Lee VS**. Optimal measurement of arterial input function in MR renography using saturation recovery. International Society for Magnetic Resonance in Medicine 2014 [poster]

192. Kaggie JD, **Lee VS**, Morrell GR. Relative Signal Loss from Fat Using In- and Out-of-phase images for indicating renal health. International Society for Magnetic Resonance in Medicine 2014 [poster]

193. Lindley MD, Kim D, Morrell G, Heilbrun ME, Hanrahan CJ, **Lee VS**. Noncontrast MRA of abdominopelvis arteries using quadruple inversion-recovery preconditioning and 3D balanced steady-state free precession imaging at 3T. International Society for Magnetic Resonance in Medicine 2014 [eposter]

194. Lindley MD, Kim D, Morrell G, Heilbrun ME, Storey P, Hanrahan CJ, **Lee VS**. High-permittivity thin dielectric pad improves peripheral non-contrast MRA at 3T. International Society for Magnetic Resonance in Medicine 2014 [eposter]

195. Kaggie JD, **Lee VS**, Morrell GR. T2* Correction using B0 mapping for renal BOLD quantification. International Society for Magnetic Resonance in Medicine 2014 [eposter]

197. Morrell, G, Zhang, JL, Kaggie J, **Lee, VS**. 3D Renal BOLD Imaging with a prospectively navigated free breathing pulse sequence. International Society for Magnetic Resonance in Medicine 2014 [eposter]

198. Zhang JL, Conlin CC, Mendes J, Oesingmann N, **Lee VS.** Improved estimation of renal perfusion with multiple inversion-time acquisitions in arterial spin labeling. International Society for Magenetic Resonance in Medicine 2014 [eposter]

199. Mendes J, Hanrahan, CJ, Zhang JL, Layec G, Hart C, **Lee, VS.** A novel sequence to simultaneously measure R2, R2* and perfusion. International Society for Magnetic Resonance in Medicine 2014 [eposter]

200. Zhang JL, Conlin CC, Mendes J, Oesingmann N, **Lee VS.** Quantifying renal ASL data with arterial input function (AIF) sampled from renal artery. International Society for Magenetic Resonance in Medicine 2014 [eposter]

201. Zhang JL, Hanraha CJ, Mendes J, Layec G, Hart C, Carlston K, Mueller M, Richardson RS, **Lee VS.** Large intramuscular vessel artifact in ASL: effect on calf muscle perfusion measurements and a velocity-selective solution. International Society for Magnetic Resonance in Medicine 2015 [oral]

202. Conlin CC, Zhang JL, Rousset F, Vachet C, Zhao Y, Kim D, Morrell G, Morton KA, Gerig G, **Lee VS**. Image registration with the generalized Hough transform as part of a free toolkit is an efficient and robust technique for improving the reliability of parameter estimates obtained from free-breathing MR renography. International Society for Magnetic Resonance in Medicine 2015 [eposter]

203. Conlin CC, Zhang JL, Morrell G, Carlston K, Greene T, Morton KA, **Lee VS.** Modification of eGFR formulas using estimates of fat-infiltration from MRI: a preliminary study in cirrhosis patients. International Society for Magnetic Resonance in Medicine 2015 [eposter]

204. Kaggie J, **Lee VS**, Merrill R, Morrell G. An apparatus for in vivo simultaneous oxygen probe measurements during renal BOLD MRI in a porcine model. International Society for Magnetic Resonance in Medicine 2015 [eposter]

205. Lindley MD, Kim D, Morrell G, Heilbrun ME, Hanrahan CJ, **Lee VS**. Fat saturation improves fresh blood imaging of peripheral vessels in the calf station. International Society for Magnetic Resonance in Medicine 2015 [eposter]

206. Zhang JL, Conlin CC, Carlston K, Kim D, Morrell G, Morton K, **Lee VS**. Optimizing dose and imaging parameters in MR renography for quantitative measurement of renal function. International Society for Magnetic Resonance in Medicine 2015 [eposter]

207. Zhang JL, Hanrahan CJ, **Lee VS**. Quantifying perfusion in conditions of rapidly changing blood flow and vascular volume: A novel tracer kinetic model. International Society for Magnetic Resonance in Medicine 2015 [eposter]

208. Zhang JL, Hanrahan CJ, Mendes J, Layec G, Hart C, Carlston K, Mueller M, Richardson RS, **Lee VS.** Muscle perfusion reserve (MPR) measured from exercise-recovery MRI: a new functional index for diagnosing PAD. International Society for Magnetic Resonance in Medicine 2015 [eposter]

209. Hanrahan CJ, Lindley M, Mueller M, Sommers D, Heilbrun ME, Morrell G, Kim D, **Lee VS**. Non-contrast MRA in PAD patients: diagnostic comparison of QISS, ECG-FSE, and QIR techniques. International Society for Magnetic Resonance in Medicine 2015 [eposter]

210. Morrell G, Kaggie J, **Lee VS**. Full 3D renal BOLD MRI in clinically realistic scan times with 2D volume selective excitation. International Society for Magetic Resonance in Medicine 2015

211. Mendes JK, Hanrahan CJ, Zhang JL, Gwenael L, Hart C, Richardson R, Joshi S, **Lee VS**. An Exercise-Recovery Protocol Depicts Perfusion and Capillary Recruitment Heterogeneity in Peripheral Arterial Disease. International Society for Magnetic Resonance in Medicine 2015 [eposter]

212. Xie L, Dibb R, Liu C, **Lee VS**. Frequency tensor imaging (FTI) at a single orientation by vector projection. International Society for Magnetic Resonance in Medicine 2016

213. Xie L, **Lee VS**, Wei H, Qi Y, Gurley SB, Johnson GA, Liu C. Quantitative susceptibility mapping of kidney injury in a model of ischemia reperfusion. International Society for Magnetic Resonance in Medicine 2016 [poster]

214. Xie L, **Lee VS**, Dibb R, Qi Y, Wang N, Johnson GA, Liu C. Reduced susceptibility anisotropy in ischemia reperfusion kidneys. International Society for Magnetic Resonance in Medicine 2016

215. Cleveland ZI, Guo J, Akinyi T, Wei H, Kaushik SS, Woods JC, Liu C, **Lee VS**, Xie L. Quantitative Susceptibility Mapping of the Lungs with Multi-echo Radial MRI: Sensitivity to Pulmonary O2 Content. International Society for Magnetic Resonance in Medicine 2016

216. Zhang JL, Hanrahan C, Conlin CC, Hart C, Layec G, Carlston K, Kim D, Mueller M, **Lee VS.** Arterial transit time (ATT) heterogeneity in calf muscle: how DCE studies reveal a critical challenge for arterial spin labeling (ASL) acquisition. International Society for Magnetic Resonance in Medicine 2016

217. Zhang JL, Hanrahan C, Conlin CC, Hart C, Layec G, Carlston K, Kim D, Mueller M, **Lee VS.**

Quantitative Muscle Perfusion with DCE-MRI Shows Distinct Load-Dependent Exercise-Stimulated Muscle Perfusion Patterns. International Society for Magnetic Resonance in Medicine 2016

218. Hanrahan CJ, Zhang L, Layec G, Hart C, Mueller M, Kim D, Carlston K, Richardson R, **Lee VS.** What is the Relationship between Vascular Disease Distribution in PAD and Exercise-Induced Hyperemia Pattern in Calf Muscle? International Society for Magnetic Resonance in Medicine 2016 [eposter]

219. Lindley MD, Kim D, Adluru G, Carlston K, DiBella EVR, Jensen L, Sommers D, Hanrahan CJ, **Lee VS**. Clinically-Feasible Non-Contrast Abdominopelvic MRA using 3D Radial Stack-of-Stars k-space Sampling and Compressed Sensing. International Society for Magnetic Resonance in Medicine 2016 [eposter]

220. Lindley MD, Kim D, Adluru G, Carlston K, DiBella EVR, Jensen L, Sommers D, Hanrahan CJ, **Lee VS**. Clinically-Acceptable Non-Contrast Thoracic MRA using 3D Radial k-space Sampling and Compressed Sensing. International Society for Magnetic Resonance in Medicine 2016 [eposter]

221. Haddadin Z, **Lee VS**, Conlin C, Morrell G, Hoffman J, Morton K. Comparison of improved serum estimators of GFR to Tc-99m DTPA plasma-clearance method. J Nucl Med 2016; 57(supplement 2): 1242.

222. Layec G, Conlin C, Dong J, Decker S, Hart CR, Hu N, Chadovich MA, Mueller MA, Khor L, Hanrahan C, **Lee VS**, Zhang JL. Assessment of perfusion-metabolism matching in exercising muscle from dynamic contrast-enhanced MRI and T2 mapping. International Society for Magnetic Resonance in Medicine 2018 [poster]

223. Zhang JL, Conlin CC, Decker S, Layec G, Dong J, Li X, Hu N, Hanrahan C, Khor L, Mueller M, **Lee VS**. Quantitative assessment of exercise-stimulated muscle perfusion: a comparison between DCE and DSC imaging. International Society for Magnetic Resonance in Medicine 2018

224. Chintalapati S, Conlin CC, Layec G, Decker ST, Hu N, Dong J, Hanrahan C, Mueller M, Khor L, **Lee VS**, Zhang JL. Deformable registration of calf muscle MRI using an improved Demons approach. International Society for Magnetic Resonance in Medicine 2018 [poster]

225. Conlin CC, Dong J, Decker S, Hu N, Chadovich MA, Mueller MT, Khor L, Hanrahan CJ, Layec G, **Lee VS**, Zhang JL. Reproducibility of calf-muscle perfusion measurements from dynamic contrast-enhanced MRI. International Society for Magnetic Resonance in Medicine 2018 [poster]

226. Conlin CC, Dong J, Decker S, Layec G, **Lee VS**, Zhang JL. Exercise-induced muscle hypoxia and re-oxygenation in the calf: A comparison between Near Infra-Red Spectroscopy (NIRS) and BOLD MRI. International Society for Magnetic Resonance in Medicine 2018 [poster]

228. Zhang JL, Conlin CC, Li X, Huang Y, **Lee VS**. Glomerular fibrosis in rat kidneys assessed with a clinical 3T MR scanner. International Society for Magnetic Resonance in Medicine 2019. [eposter]

229. Li X, Conlin CC, Hanrahan C, **Lee VS**, Zhang JL. Quantifying intramuscular fat content in the calf using T_2-weighted MRI. International Society for Magnetic Resonance in Medicine 2019. [eposter]

230. Conlin CC, Xiaowan L, Decker S, Hanrahan C, Layec G, Hu N, **Lee VS**, Zhang JL. A neural network approach for estimating muscle perfusion from DCE-MRI data. International Society for Magnetic Resonance in Medicine. 2019 [eposter]

***** Presented by a student, resident, fellow, or visiting scholar under the direct supervision of VS Lee

Press Stories (Selected)

1. Fratt L. Cardiac MRI: The Present, the Potential, and the Future: Interview with **Vivian S. Lee**, M.D., Ph.D. Medical Imaging. July 2001, p. TM43-46.

2. Editorial: U. Hospital chases health care's true cost. Salt Lake Tribune; December 15, 2013. http://www.sltrib.com/csp/cms/sites/sltrib/pages/printerfriendly.csp?id=57250364

5. Maffly B. University of Utah's new health science chief has high hopes for flagship's future. Salt Lake Tribune. January 2, 2012 http://archive.sltrib.com/story.php?ref=/sltrib/news/53163390-78/lee-utah-health-medical.html.csp

6. Israelsen-Hartley S. Healthy Leadership: Interview with Vivian S. Lee, M.D., Ph.D., M.B.A., Deseret News. February 12, 2012, p. C1-2 http://www.deseretnews.com/article/765554704/New-CEO-of-University-of-Utah-Health-CARE-aims-to-make-a-real-difference-in-the-challenges-patients.html?pg=all

7. Whitehurst L. Bill would expand U. of Utah medical school class. Salt Lake Tribune; February 1, 2013 http://www.sltrib.com/sltrib/news/55750535-78/utah-students-medical-education.html.csp

8. Gehrke R. Governor signs bill studying Draper prison relocation. Salt Lake Tribune; March 29, 2013 http://www.sltrib.com/sltrib/politics/56076012-90/bills-utah-gov-html.html.csp

9. U. opening country's first dental school in 40 years. Salt Lake Tribune; August 23, 2013 http://www.sltrib.com/sltrib/news/56760479-78/dental-building-students-education.html.csp

10. Warchol G. The Doctor is In. Salt Lake Magazine, June 2013

11. Horiuchi K.M. Of Multitasking and Medicine. Continuum Fall 13. Vol 23, No.2, p. 22-26. http://continuum.utah.edu/features/of-multitasking-and-medicine

12. Punke H. Better Than Last Week: Q&A with Dr. Vivian Lee, CEO of University of Utah Health Care. Salt Lake Tribune; February 14, 2014 http://www.beckershospitalreview.com/leadership-management/better-than-last-week-q-a-with-dr-vivian-lee-ceo-of-university-of-utah-health-care.html

13. Whitehurst L. Partership with drug company good partnership, says eye center. Salt Lake Tribune; February 20, 2014 http://www.sltrib.com/sltrib/news/57568002-78/research-eye-allergan-center.html.csp

14. Burr TU. Medical School head cites Angelina Jolie before Congress. Salt Lake Tribune; March 25, 2014 http://www.sltrib.com/sltrib/politics/57729394-90/funding-health-jolie-lee.html.csp

15. Gamble M. The Corner Office: Dr. Vivian Lee of University of Utah Health Care on Where She Finds Optimism. Beckers Hospital Review, April 25, 2014 http://www.beckershospitalreview.com/leadership-management/the-corner-office-dr-vivian-lee-of-university-of-utah-health-care-on-where-she-finds-optimism.html

16. Appleby J. Utah hospitals try the unthinkable: Get a grip on costs. USA TODAY; June 28, 2014 http://www.usatoday.com/story/news/nation/2014/06/28/utah-hospitals-cost-of-medical-care/11416353/

17. Lee Thomas H. 5 Examples of Great Health Care Management. Harvard Business Review Blog; November 6, 2014 https://hbr.org/2014/11/5-examples-of-great-health-care-management

18. Kolata G. Doctors Strive to Do Less Harm by Inattentive Care. The New York Times; February 17, 2015 http://www.nytimes.com/2015/02/18/health/doctors-strive-to-do-less-harm-by-inattentive-care.html?mabReward=A2&_r=0

19. Knox A. University of Utah med school dean says medical research at risk. Salt Lake Tribune. May 28, 2015 http://www.sltrib.com/news/2557318-155/declining-federal-dollars-put-biomedical-research

20. Kolata, G. What are a hospital's costs? Utah system is trying to learn. New York Times (A1). Sept 8, 2015 http://www.nytimes.com/2015/09/08/health/what-are-a-hospitals-costs-utah-system-is-trying-to-learn.html?_r=0

21. Hockenberry, J. Even hospitals are confused about healthcare costs. The Takeaway, NPR. Sept 11, 2015 http://www.thetakeaway.org/story/how-can-hospitals-reduce-costs-and-improve-care-if-they-dont-know-what-costs-are/

22. Rappleye, E. 5 strategies to even the gender playing field at academic medical centers. Becker's Hospital Review. Sept 15, 2015
http://www.beckershospitalreview.com/hospital-physician-relationships/5-strategies-to-even-the-gender-playing-field-at-academic-medical-centers.html

23. Smardon, A. U Healthcare leaders call for gender equality. KUER (NPR). Sept 15, 2015
http://kuer.org/post/u-healthcare-leaders-call-gender-equality

22. Ryssdal, K. Putting a price on healthcare. Marketplace Radio, October 5, 2015
http://www.marketplace.org/topics/health-care/putting-price-healthcare

23. Westin, David. Teaching employees about hospital costs. Bloomberg <GO> November 6, 2015
http://www.bloomberg.com/news/videos/2015-11-06/teaching-employees-about-hospital-costs
http://www.msn.com/en-us/money/companies/teaching-employees-about-hospital-costs/vi-CC1Rqs
http://finance.yahoo.com/video/teaching-employees-hospital-costs-131057866.html

24. Costello, Tom. See how this hospital charges less and helps patients recover. NBC Nightly News, November 27, 2015
http://www.nbcnews.com/nightly-news/video/see-how-this-hospital-charges-less-and-helps-patients-recover-575453251814

25. Keene, Tom. Health Care in America: Cancer, Coverage, and Costs. Bloomberg Surveillance. Februrary 17, 2016
http://www.bloomberg.com/news/videos/2016-02-17/health-care-in-america-cancer-coverage-and-costs

26. Bryant, A. Vivian Lee: Trust in Your Own Leadership Style. (Corner Office) The New York Times. April 29, 2016
http://www.nytimes.com/2016/05/01/business/vivian-lee-trust-in-your-own-leadership-style.html?_r=0

27. Utah Business Editors. 2016 Outstanding Director Awards. Utah Business. June 13, 2016
http://www.utahbusiness.com/2016-outstanding-director-awards/

28. Rechtoris, M and Dyrda, L. 17 of the Most Interesting People in Healthcare. Becker's Hospital Review. July 25, 2016
http://www.beckershospitalreview.com/lists/17-of-the-most-interesting-people-in-healthcare.html?e06c95d7=e06c95d7

29. Wood, M. 12 Female CEOs Making their Mark in Healthcare. Becker's Hospital Review. August 24, 2016
http://www.beckershospitalreview.com/hospital-management-administration/10-female-ceos-making-their-mark-in-healthcare.html

30. Deseret News editorial board. In our opinion: The U's Health Care system – the world is paying attention. Oct 10, 2016.
http://www.deseretnews.com/article/865664492/In-our-opinion-The-Us-Health-Care-system-2-the-world-is-paying-attention.html

31. Ross, C. She's calling for a health care revolution. The radical first step: listen to patients. STAT Oct 17, 2016. https://www.statnews.com/2016/10/17/vivan-lee-hospitals-utah/

32. Ross, Dave. Health Revolution. On-Demand, KIRO Radio, Oct 19, 2016. http://kiroradio.com/listen/10011828 (24:40)

33. Gorenstein, Dan. How some hospitals are replacing pricey EpiPens with a $10 version. Marketplace Radio, Nov 2, 2016. http://www.marketplace.org/2016/11/01/health-care/how-some-hospitals-are-replacing-pricy-epipens-10-version

34. Wieczner, J. How this doctor's MBA helped her turn around a major hospital. Fortune. Nov 2, 2016. http://fortune.com/2016/11/02/doctor-mba-healthcare-costs-telemedicine/

35. Fry, E. Doctors work on "webside manner" as telemedicine becomes more popular. Fortune. Nov 2, 2016. http://fortune.com/2016/11/02/telemedicine-virtual-health/

36. Ramos Hegwer, L. Leading the push to understand the true cost of care. HFMA magazine. Nov 17, 2016. (cover story) http://www.hfma.org/Leadership/Archives/2016/Fall/Leading_the_Push_to_Understand_the_True_Cost_of_Care/

37. Robeznieks, A. University of Utah CEO Vivian Lee urges radiologists to refocus on quality, value. H&HN Hospitals & Health Networks. Nov 29, 2016. http://www.hhnmag.com/articles/7879-university-of-utah-ceo-vivian-lee-urges-radiologists-to-refocus-on-quality-value#.WD4EuFoe2iA.twitter

38. Ramsey, L. Pay for medical care only if it works? Industry faces massive shift toward value-based care. Business Insider, Nov 30, 2016. http://finance.yahoo.com/news/pay-medical-care-only-works-172141642.html

39. Keene, Tom. $1 Trillion of Waste in U.S. Health Care System. Bloomberg Surveillance. December 14, 2016 https://www.bloomberg.com/news/videos/2016-12-14/lee-1-trillion-of-waste-in-u-s-health-care-system

40. Landi, Heather. Verily taps University of Utah Health's Vivian Lee. Fierce Healthcare December 23, 2019. https://www.fiercehealthcare.com/special-report/vivian-lee-m-d-leading-verily-s-efforts-to-improve-health-patient-populuations

41. Landi, Heather. 5 Health IT executives to watch in 2020. Fierce Healthcare. December 26, 2019. https://www.fiercehealthcare.com/tech/5-health-it-executives-to-watch-2020

42. Wagner, Jill. Where the U.S. Healthcare System Can Improve in the Wake of the Pandemic. April 29, 2020. Cheddar.tv https://cheddar.com/media/where-the-u-s-healthcare-system-can-improve-in-the-wake-of-the-pandemic

43. Fox, Justin. 1.5 Million Unemployed Health-Care Workers Signal a Failed System. Bloomberg Opinion. May 20, 2020. https://www.bloomberg.com/opinion/articles/2020-05-20/doctors-office-layoffs-in-pandemic-reveal-u-s-health-care-faults

44. Haefner, Morgan. Physician viewpoint: A subscription model beats fee-for-service. Becker's Hospital Review. June 12, 2020. 2020. https://www.beckershospitalreview.com/finance/physician-viewpoint-a-subscription-model-beats-fee-for-service.html

45. Haefner, Morgan. One idea for employers to control healthcare costs? Partner with hospitals, Verily exec suggests. Becker's Hospital Review, June 16, 2020. https://www.beckershospitalreview.com/hospital-management-administration/one-idea-for-employers-to-control-healthcare-costs-partner-with-hospitals-verily-exec-suggests.html