

## Curriculum Vitae

Ziv J Haskal, M.D. FACR FAHA FSIR FCIRSE FBSIR

### Office Address

Tenured Professor of Radiology  
Department of Radiology and Medical Imaging  
University of Virginia School of Medicine  
1215 Lee Street  
Charlottesville, VA 22908

### Education

1982 (B.A.)	Boston University (Medical Science/Art History) Boston, Massachusetts
1986 (M.D.)	Boston University School of Medicine Boston, Massachusetts

### Postgraduate Training

1986-1987	Transitional Internship Framingham Union Hospital Framingham, Massachusetts
1987-1991	Residency, Diagnostic Radiology University of California, San Francisco San Francisco, California
1991-1992	Fellowship, Interventional Radiology University of California, San Francisco San Francisco, California

### Additional Education

2009	Leadership development for physicians in academic health centers, Harvard School of Public Health
2014-	Leaders in Academic Matters, University of Virginia

### Certifications

1987	Diplomate, National Board of Examiners
1991	Diagnostic Radiology, American Board of Radiology
1999	Certificate of Added Qualifications in Vascular and Interventional Radiology, American Board of Radiology (Recertified. Expires 2019)

### Licensure

California, inactive  
Pennsylvania, inactive  
Singapore, inactive (see Visiting Professor)

New York, inactive  
Maryland, inactive  
China, provisional medical license (Oct 2015, Shenyang, Hangzhou, Xian)  
Virginia, active

### **Faculty Appointments**

1991-1992 Clinical Instructor  
University of California School of Medicine  
San Francisco, California

1992-1997 Assistant Professor of Radiology  
University of Pennsylvania School of Medicine  
Philadelphia, Pennsylvania

1997-1999 Associate Professor of Radiology  
University of Pennsylvania School of Medicine  
Philadelphia, Pennsylvania

1999-2008 Professor of Radiology and Surgery  
Columbia University College of Physicians and Surgeons  
New York, New York

2008-9/2013 Professor of Radiology and Surgery (Tenure Track)  
University of Maryland School of Medicine  
Baltimore, Maryland

10/2013- Tenured Professor of Radiology  
Fellowship Director  
University of Virginia School of Medicine  
Charlottesville, VA 22908

### **University and Hospital Appointments**

1992 Staff Radiologist, Angiography/Interventional Radiology Section  
Hospital of the University of Pennsylvania. Philadelphia, Pennsylvania

1992 Staff Radiologist, Veterans Administration Medical Center  
Philadelphia, Pennsylvania

1996 Staff Radiologist, Presbyterian Hospital. Philadelphia, Pennsylvania

1998-1999 Director, Interventional Radiology Animal Research Laboratory  
Hospital of the University of Pennsylvania. Philadelphia, Pennsylvania

1998-1999 Associate Member, Institute for Human Gene Therapy University of Pennsylvania  
School of Medicine: 1° Appointment Genetic Disease Research Section; 2°  
Appointment Cardiovascular Diseases Research Section

1999 Director, Division of Vascular and Interventional Radiology  
NewYork-Presbyterian Hospital/ Columbia University

1999 Appointments & Promotions Committee Meeting, Department of  
Radiology, Columbia University

1999 Committee on Academic Appointments and Promotions, Department of  
Surgery, Columbia University

1999 Director, Interventional Radiology Research Laboratory  
Columbia University College of Physicians and Surgeons

1999 Director, Interventional Radiology Fellowship Program

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1999 Columbia University College of Physicians and Surgeons  
Director, Interventional Radiology Medical Student Clerkship  
Columbia University College of Physicians and Surgeons  
2001 Department of Surgery Search Committee (for Chief of Vascular Surgery,  
New-York Presbyterian Hospital)  
2002 Vascular Service Line, Co-Chairman. NewYork-Presbyterian  
Hospital (Bi-Campus/ Cornell, Columbia)  
2002 Center for Innovative Cancer Management, Co-Director  
2002 Special Attending, Interventional Radiology  
Lawrence Hospital, Bronxville, New York  
2003-2006 Director, Vascular and Interventional Radiology Program  
Lawrence Hospital. Bronxville, NY  
2005-2006 Medical Director, Columbia Endovascular Interventional Radiology  
(Interventional Radiology Outpatient Practice), New York NY  
2008-13 Chief, Division of Vascular and Interventional Radiology  
Department of Diagnostic Imaging, Baltimore MD  
University of Maryland Medical Center, Baltimore MD  
2008-13 Director, Interventional Oncology and Image Guided Therapy  
Department of Diagnostic Imaging, Baltimore MD  
University of Maryland Medical Center, Baltimore MD  
2008-13 Fellowship Program Director, Division of Vascular and Interventional Radiology.  
University of Maryland School of Medicine. Baltimore MD  
2008-13 Chief, Vascular and Interventional Radiology  
Good Samaritan Hospital. Baltimore, MD  
2008-13 Chief, Vascular and Interventional Radiology  
Union Memorial Hospital. Baltimore, MD  
2008-13 Chief, Vascular and Interventional Radiology  
Veterans Administration Medical Center. Baltimore, MD  
2013- Interventional Radiology Fellowship Director,  
Department of Radiology and Medical Imaging, University of Virginia Health  
System, Charlottesville, VA  
2017 Diversity Chair, Department of Radiology and Medical Imaging, University of  
Virginia, Charlottesville, VA  
2017- Institutional Review Board (IRB), member. University of Virginia.

### **Professional Society Memberships**

1984-7 Massachusetts Medical Society. Member  
1988- Radiological Society of North America (RSNA). Member (current)  
1991- Society Interventional Radiology (SIR), Fellow (current)  
1994- American College of Radiology (current)  
1994-9 Pennsylvania Radiologic Society  
1992-9 Philadelphia Angiography and Interventional Radiology Society  
1999-04 American Roentgen Ray Society, member  
2000-8 New York State Radiological Society  
2002- Cardiovascular and Interventional Society of Europe, Fellow (CIRSE)  
2003- American Heart Association, Fellow (current)  
2008- European Society of Radiology (Corresponding Member, current)  
2008-13 Maryland Radiological Society  
2013-4 President, International Society Neurovascular Disease (ISNVD).  
2014-6 President, Society of Gastrointestinal Interventions (SGI)

**Honors and Awards and Membership in Honorary Societies**

- 1986 BA Summa Cum Laude, 1986
- 1986 Phi Beta Kappa, 1986
- 1986 Dean's List, 1986
- 1985-1986 Medical School (Clinical Services, Honors)  
Internal Medicine, Cardiology, Pediatrics, Nephrology, General Radiology, Ultrasound, Pediatric Radiology, Home Medical Service, Psychiatry, Emergency Medicine
- 1996-1997 Radiology Editor's Award for Distinction in Reviewing
- 1997 Fellow (FSIR), Society of Interventional Radiology
- 1999 "Distinguished Faculty Award" Society of Cardiovascular and Interventional Radiology
- 1996, 1999 "Top Docs in Philadelphia" Philadelphia Magazine, (published every 3 Years)
- 2000 Sadek K. Hilal Faculty Research Award for Excellence in Clinical Research, Columbia University Department of Radiology
- 2001 Turkish Society of Radiology, Bestowed Honorary Membership
- 2001 "The Best Doctors", New York Magazine, New York
- 2001 "Top Doctors, United States", Castle Connolly
- 2002 "The Best Doctors", New York Magazine, New York
- 2002 "America's Top Doctors, United States", Castle Connolly
- 2003 "The Best Doctors", New York Magazine, New York
- 2003 "Top Doctors, United States", Castle Connolly
- 2003-2004 "Best Doctors in America"
- 2004 "The Best Doctors", New York Magazine, New York
- 2004 "America's Top Doctors, United States", Castle Connolly
- 2004 "Top Doctors NY Metro", Castle Connolly
- 2004 "Best Doctors" Better Living Magazine (New York City Edition)
- 2004 "Honors" Poster Presentation, Society of Interventional Radiology Annual Meeting
- 2005 Fellow (FAHA), American Heart Association
- 2005 "The Best Doctors", New York Magazine, New York
- 2005 "America's Top Doctors, United States", Castle Connolly
- 2006 Fellow (FACR), American College of Radiology
- 2006 "America's Top Doctors for Cancer", Castle Connolly
- 2006 "Top Doctors New York Metro Area", Castle Connolly
- 2006 "The Best Doctors", New York Magazine, New York
- 2006 International Society of Endovascular Specialists (ISES) Night of Honors Innovation Award
- 2007 "The Best Doctors", New York Magazine, New York
- 2007-2008 "Best Doctors in America"
- 2007 "America's Top Doctor's for Cancer" (3<sup>rd</sup> Edition)
- 2007 "America's Top Doctors" (7<sup>th</sup> Edition), Castle Connolly
- 2007 "America's Top Doctors, New York Metro Area" Castle Connolly
- 2008 Society of Interventional Radiology Leadership Award ("In Appreciation of Outstanding Service and Leadership")
- 2008 "The Best Doctors" New York Magazine, New York
- 2008 America's Top Doctor's for Cancer" (4<sup>th</sup> Edition)
- 2008 Corresponding Fellow (FCIRSE), Cardiovascular and Interventional Radiology Society of Europe
- 2009- Physician Advisory Board: PinnacleHealth, Baltimore MD
- 2009 America's Top Doctors in Cancer. Castle Connolly
- 2010 Distinguished Faculty Award. Society of Interventional Radiology. 2010 Annual Meeting Tampa FL

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- 2011 America's Top Doctors (10<sup>th</sup> Edition). Castle Connolly
- 2011 "Super Doctors." Washington DC-Baltimore-Northern Virginia edition
- 2011 U.S. News & World Report Top Doctors (Listed as Top 1% in Specialty listing)
- 2012 Super Doctors. Washington DC-Baltimore-Northern Virginia
- 2012 America's Top Doctors in Cancer. Castle Connolly
- 2012 Honorary Fellowship, British Society of Interventional Radiology (BSIR)
- 2013 "Abstract of the Year" Society of Interventional Radiology Annual Scientific Meeting (chosen from ~840 worldwide submissions; awarded in April 2013)
- 2013 America's Top Doctors. Castle Connolly
- 2014 "Best Doctors"
- 2014 "Leaders in Innovation" Award. Society of Interventional Radiology Foundation, presented at Society of Interventional Radiology Annual Scientific Meeting, San Diego, CA March 2014
- 2014 "Abstract of the Year" Society of Interventional Radiology Annual Scientific Meeting (chosen from ~1000 worldwide submissions; awarded March 2014, Society of Interventional Radiology Annual Scientific Meeting, San Diego, CA)
- 2014 America's Top Doctors. Castle Connolly
- 2015 America's Top Doctors. Castle Connolly
- 2015 Newsweek 's Top Cancer Doctors
- 2016 America's Top Doctors in Cancer. Castle Connolly
- 2016 "Millipub" University of Virginia School of Medicine. Distinguished Faculty with citations cited more than 1000 times. (Haskal publication cited ~3000 times). Charlottesville VA.
- 2017 America's Top Doctors. Castle Connolly (15 Years of Continuous Awards)
- 2018 Top Doctors. Castle Connolly
- 2019 Honorary Membership. Asia Pacific Society of Cardiovascular and Interventional Radiology APSCVIR). Indonesia. February 2019
- 2019 "Vein Vedi Vici: Maybe," 2019 Charles T. Dotter Memorial Lecture. American Heart Association Annual Meeting. November 2019. Philadelphia PA.
- 2019 US News World Report: Best Doctors
- 2020 "Embolization: The Universe in a Grain of Sand" Charles Tegtmeyer Memorial Lecture. International Symposium on Endovascular Therapy (ISET). January 2020 Hollywood, FL.
- 2020 Best Doctors 2020
- 2020 Top Doctors in Cancer, Castle Connolly
- 2020 Best Doctors

### **Administrative / Clinical Service**

- 2008-13 Vice Chairman, Strategic Development, Department of Diagnostic Imaging and Nuclear Medicine. University of Maryland School of Medicine, Baltimore MD.
- 2015- Porstatic Artery Embolization Center. Clinic Director. . University of Virginia Medical Center. Charlottesville VA.
- 2019- Vice Chair, Faculty Development. Department of Radiology and Medical Imaging. University of Virginia.
- 2019- Hereditary Hemorrhagic Telangiectasia Center. Director. University of Virginia Medical Center. Charlottesville VA.

### **Institutional Service**

#### **University/Hospital Committees**

- 1993-1994 University of Pennsylvania Subcommittee for Critical Care Pathway

- 1996-1999 Development Transjugular Intrahepatic Portosystemic Shunts  
University of Pennsylvania Interdisciplinary Committee for Management  
of Complex Hypertension Penn-Catch Program
- 1998 University of Pennsylvania Cancer Center Gastrointestinal Cancer  
1998-1999 Penn-Vein (Venous & Embolic Intervention Network), Founder  
1999-2008 Appointments and Promotions Committee, Department of Radiology,  
Columbia University College of Physicians and Surgeons
- 1999-2006 Executive Committee, Department of Radiology, Columbia University  
College of Physicians and Surgeons
- 2000-2001 New York Presbyterian Hospital Peripheral Vascular Access Project  
2002-2006 Vascular Service Line, Co-Chairman. NewYork-Presbyterian  
Hospital (Bi-Campus/ Cornell, Columbia)
- 2003-2008 Faculty Council of the Faculty of Medicine Voting Member. Columbia  
University Health Sciences Division
- 2003-2004 Clinical Resource Initiative Procedural/Perioperative Subcommittee,  
NewYork-Presbyterian Hospital
- 2005-2006 Innovative Diagnostics & Therapeutics Committee, NewYork-  
Presbyterian Hospital
- 2005-2006 Invasive Procedures Committee. NewYork-Presbyterian Hospital  
2008-2010 Central Venous Catheter-Blood Stream Infection Committee. University of  
Maryland
- 2008-10 Phase IV-A Imaging/ IR & Operating Room Use Committee  
2010-13 Performance Improvement Steering Committee. University of Maryland Medical  
Center
- 2014 Academic Development Committee, University of Virginia Health System  
2013- Graduate Medical Committee Executive Committee, University of Virginia School of  
Medicine
- 2017- Physicians Advisory Council. Hospice of the Piedmont. Charlottesville, VA  
2018- Institutional Review Board (IRB). University of Virginia. Charlottesville, VA  
2018- Audit Committee. University of Virginia Physicians Group.

### **Course Organizer/ Directorships**

- 1993 Visiting Fellowships in Interventional Radiology, University of  
Pennsylvania. Philadelphia PA. (48 Fellows Trained, 1993-9)
- 1998 Sixth Annual Vascular and Interventional Radiology Symposium,  
University of Pennsylvania. Puerto Rico.
- 1999 Extreme Interventional Radiology. University of Pennsylvania.  
Jackson Hole WY.
- 1999 Management of Deep Venous Thrombosis: A State of the Art  
Interdisciplinary Approach. Penn-Vein (Venous and Embolic  
Intervention Network). University of Pennsylvania. Philadelphia PA.
- 1999 Seventh Annual International Interventional Radiology and  
Endovascular Therapy Symposium. University of Pennsylvania.  
Philadelphia PA
- 1999 Current Concepts in Regional Thrombolysis and Catheter Clearance a  
Cyberconference. Society of Cardiovascular and Interventional Radiology
- 2000 Symposium on Human Gene Therapy and Local Drug Delivery  
Imaging and Intervention. Society of Cardiovascular and Interventional  
Radiology (SCVIR) San Diego CA.
- 2000 SCVIR Film Panel, Co-Director / Moderator. Annual Meeting, Society of  
Cardiovascular and Interventional Radiology. San Diego CA.

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- 2001 2<sup>nd</sup> Annual Surgical and Radiological Endovascular Symposium (SRES 01). Santo Domingo, Dominican Republic.
- 2001 Extreme Interventional Radiology. Columbia University College of Physicians and Surgeons. Jackson Hole WY.
- 2002 3<sup>rd</sup> Annual Surgical and Radiological Endovascular Symposium (SRES 02) St. Martin.
- 2003 4<sup>th</sup> Annual Surgical and Radiological Endovascular Symposium (SRES 03) Varadero, Cuba.
- 2003-2005 Freestanding Interventional Radiology Centers Time to Roll. Society of Interventional Radiology Annual Meeting. Phoenix AZ.
- 2004 5<sup>th</sup> Annual Surgical and Radiological Endovascular Symposium (SRES 04) Yucatan Peninsula, Mexico.
- 2004-2005 Workshop Chair. Society of Interventional Radiology Annual Meeting. New Orleans.
- 2005 6<sup>th</sup> Annual Surgical and Radiological Endovascular Symposium (SRES 05) Jamaica.
- 2005-2006 Scientific Program Chair. Society of Interventional Radiology Annual Meeting. New Orleans.
- 2006 Portal Hypertension Categorical Course Society of Interventional Radiology Annual Meeting. Toronto, Canada.
- 2006 Chairperson. TIPS Procedure Improved Outcomes through Improved Solutions. Webcast ([www.naccme.com/webcasts/186\\_index.cfm](http://www.naccme.com/webcasts/186_index.cfm)).
- 2006-2007 Program Chair. Society of Interventional Radiology Annual Meeting. Seattle WA.
- 2006 Covered Stents What When and Where? Satellite Symposium. Charing Cross. London, England.
- 2007 Cosmetic IR Symposium. Course Director. Society of Interventional Radiology Annual Meeting. Seattle, Washington.
- 2007 Global Embolization Symposium and Technologies (GEST 2007), Co-Director/Co-Founder (694 Attendees, 4/2007). Barcelona, Spain
- 2008 Global Embolization Symposium and Technologies (GEST 2008), Co-Director/Co-Founder. Barcelona, Spain
- 2008 "SIR Meets Latin America" Society of Interventional Radiology Annual Meeting. Washington D.C.
- 2009 Global Embolization Symposium and Technologies (GEST 2009), Co-Director/Co-Founder. April 2009. Paris, France (>1000 attendees).
- 2010 Global Embolization Symposium and Technologies (GEST 2010), Co-Director/Co-Founder. May 2010. San Francisco, California (900 attendees).
- 2011 GEST 2011. Scientific Advisory Board/ Steering Committee, Co-Director/Co-Founder. Paris, France, April 2011. (>1100 attendees, 61 countries).
- 2012 "Extreme IR" Course Director. Society of Interventional Radiology Annual Meeting. San Francisco, California
- 2012 Global Embolization Symposium and Technologies (GEST 2012), Director/Founder. New York, NY. May 2012 (>1100 attendees). \*world's largest scientific conference on embolotherapy.
- 2012 Panel, "Endovascular Valve/Embolization. Strategies. Vascular Interventional Advances (VIVA 12). Las Vegas, Nevada.
- 2012 Panel, Venous Strategies. Vascular Interventional Advances (VIVA 12). Las Vegas, Nevada.
- 2012 Panel, PAD Strategies. Vascular Interventional Advances (VIVA 12). Las Vegas, Nevada.
- 2013 Global Embolization Symposium and Technologies (GEST 2013), Director/Founder. Scientific Advisory Board. Prague, Czech Republic. May 2013 (>1000 attendees).
- 2013 Course Coordinator, Developing the Academic IR. Society of Interventional

- 2013 Radiology Annual Scientific Meeting. New Orleans, LA. April 2013.  
Course Coordinator, Extreme IR. Society of Interventional  
Radiology Annual Scientific Meeting. New Orleans, LA. April 2013.
- 2014 Global Embolization Symposium and Technologies (GEST 2012),  
Director/Founder. Scientific Co-Director. San Francisco. May 2014 (underway).
- 2014 Extreme IR, Course Director. Annual Scientific Meeting, Society of Interventional  
Radiology. San Diego CA. March 2014.
- 2014 Advanced Interventional Management (AIM) Symposium. Executive Committee. New  
York, NY. November 2014.  
Director/ Founder. Scientific Co-Director. San Francisco. May 2014 (underway).
- 2014 Global Embolization Symposium and Technologies (GEST Asia 2014),  
Director/Founder. Tokyo, Japan. December 2014 (376 attendees, inaugural event).
- 2014 Global Embolization Symposium and Technologies/ GEST Asia. Moderator.  
December 2104
- 2015 Scientific Advisory Board. Global Embolization Symposium and Technologies/ GEST  
Europe. Scientific Advisory Board. Seville June 2015
- 2015 GEST Lab. Embolization TIPS Practicum. Memphis TN. May 2015
- 2015 Advanced Interventional Management. Executive Committee. Cleveland Clinic.  
November 2015.
- 2016 Global Embolization Symposium and Technologies (GEST US 2016), Director/Founder.  
New York, NY. May 2016
- 2016 Controversies in Dialysis Access. Moderator (multiple sessions). New Orleans, LA.  
October 2015.
- 2016 Advanced Interventional Management. Executive Committee. Cleveland Clinic.  
November 2016.
- 2017 Global IR Symposium. Course Coordinator, Annual Scientific Meeting, Society of  
Interventional Radiology. Washington D.C. March 2017
- 2017 Portal Hypertension: Navigating Interventional Options. Experts Session. Course  
Coordinator, Annual Scientific Meeting, Society of Interventional Radiology.  
Washington D.C. March 2017
- 2017 Extreme IR, Course Director. Annual Scientific Meeting, Society of Interventional  
Radiology. Washington D.C. March 2017 (33 faculty in 4 hours)
- 2017 JVIR Editors' Manuscript Writing Seminars (3). Course Director, Annual Scientific  
Meeting, Society of Interventional Radiology. Washington D.C. March 2017
- 2017-2017 JVIR Writing Club. Monthly online.
- 2017 Global Embolization Symposium and Technologies Scientific Program Committee.  
Florence Italy. May 2017.
- 2017 Clinical Interventional Oncology (CIO). Program Committee. Hollywood FL 2017,  
2018.
- 2017 Ziv J Haskal JVIR Editorial Fellowship. Charlottesville VA.
- 2018 Extreme IR, Course Director. Annual Scientific Meeting, Society of Interventional  
Radiology. Los Angeles March 2018 (4.5 hours).
- 2018 JVIR Writing Club. Annual Scientific Meeting, Society of Interventional Radiology.  
Los Angeles March 2018 (4 seminars, including student-directed session)
- 2018 Ziv J Haskal JVIR Editorial Fellowship. Charlottesville VA.
- 2019 JVIR Writing Club. Annual Scientific Meeting, Society of Interventional Radiology.  
Austin TX, March 2019 (4 seminars, including student-directed session).
- 2019 AR and VR in Interventional Radiology. Annual Scientific Meeting, Society of  
Interventional Radiology. Austin TX, March 2019.
- 2019 Extreme IR, Course Director. Annual Scientific Meeting, Society of Interventional  
Radiology. Austin TX, March 2019 (4.5 hours).
- 2019 Clinical Interventional Oncology (CIO). Course Co-Director. Hollywood FL October  
2019.

2019 Ziv J Haskal JVIR Editorial Fellowship. 2019 Spring and Fall (2) events

### **Editorial Positions**

1994 Reviewer, *Journal of Vascular and Interventional Radiology*  
1995 Reviewer, *Radiology* (Editor's Award for Distinction in Reviewing 1996, 1997)  
1996 Reviewer, *Southern Medical Journal*  
1997 Reviewer, *Liver Transplantation and Surgery*  
1997 Reviewer, *American Journal of Kidney Diseases*  
1997-2001 Executive Editor and Creator, *SCVIR Case Club*  
1997-2017 Editorial Board, *Techniques in Interventional Radiology*  
1997 Editorial Board, *Journal of Vascular and Interventional Radiology*  
1997-2002 Editorial Board, *Intervention*  
2000 Reviewer, *Academic Radiology*  
2000 Editorial Board, *Current Problems in Diagnostic Radiology*  
2000-2004 Consultant to the Editor, *Cardiovascular and Interventional Radiology*  
2000 Guest Editor, *Techniques in Vascular and Interventional Radiology*,  
Volume 3, September  
2000-2002 Chief Editor, *Interventional Radiology*, Emedicine  
2003 Reviewer, *Transplantation*  
2005-8 North American/ Asian Editor, *Cardiovascular and Interventional Radiology*  
2005 Reviewer, *New England Journal of Medicine*  
2006- Editorial Board, *Korean Journal of Radiology*  
2006- Editorial Board, *Techniques in Vascular and Interventional Radiology*  
2008 Guest Editor, *Techniques in Vascular and Interventional Radiology*,  
Volume 10, December 2007  
2008-2010 Deputy Editor-in-Chief, *Cardiovascular and Interventional Radiology (CVIR)*  
2009- *Endovascular Forum*, Editorial and Advisory Board Member  
2010 Reviewer, *Cardiovascular and Interventional Radiology (CVIR)*  
2010-1 Incoming Editor-In-Chief, *Journal of Vascular and Interventional Radiology (JVIR)*  
2011- Editor-In-Chief, *Journal of Vascular and Interventional Radiology (JVIR)*  
2011- Editorial Board: International Society of Radiology (ISR) GoRad  
2012 Reviewer, *Vascular*  
2012- Editor in Chief, *International Journal of Gastrointestinal Interventions (GII)*. Official  
Journal of the Society of Gastrointestinal Interventions  
2016- Reviewer, *Hepatobiliary and Pancreatic Diseases*.  
2017- Editor's Advisor. *Clinical Interventional Radiology* – Official Journal of the Indian  
Society of Vascular and Interventional Radiology (ISVIR) (launched 2017)

### **Grant Reviewer**

1994 Ad Hoc Grant Reviewer, U.S. Veterans Administration.  
1998-1999 RSNA Roster of Distinguished Scientist Advisors and Grant Reviewer  
1998-2001 IR Cardiovascular and Interventional Radiology Research and  
Education Foundation (CIRREF) Grant Reviewer  
2005 Society of Interventional Radiology Research Foundation Grant Reviewer

### **National / International Service**

1994 SCVIR Standards of Practice Committee  
1994 SCVIR Educational Materials Committee  
1994 SCVIR Technology Assessment Committee  
1994-2001 SCVIR Research Committee

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1994-1998 American Medical Association (AMA) Diagnostic and Therapeutic Technology Assessment Committee

1994-1995 Philadelphia Angiography Society Program Committee Chairman

1994-1996 SCVIR TIPS Advisory Committee Chairman

1995-1998 SCVIR Scientific Program Committee

1996 SCVIR Strategic Planning Task Force

1996-2001 RSNA Scientific Program Committee & Cardiovascular Radiology Subcommittee

1997 SCVIR Cardiovascular and Interventional Radiology Research and Education Fund (CIRREF) Strategic Planning Committee

1997-2000 SCVIR Internet Technical Advisory Committee, Chairman

1997-2004 American College of Radiology Committee for Research and Technology Assessment in Interventional Radiology, Chairman

1997-2004 American College of Radiology Commission on Research and Technology Assessment

1998-2000 SCVIR Internet Resources Subcommittee

1998 SCVIR Council Advisory Committee

1998-2001 SCVIR Web Site Medical and Scientific Advisory Board

1999 Educational Evaluation Subcommittee, American Roentgen Ray Society

1999 Committee to Develop Guidelines for the Management of Patients with Peripheral Arterial Disease. American College of Cardiology/ American Heart Association. Co-Chairman

1999-2001 SCVIR Case Club Committee, Chairman

1999-2004 American College of Radiology Commission on Interventional and Cardiovascular Radiology

1999-2006 American Heart Association Peripheral Vascular Imaging and Intervention Committee, Chairman

1999-2006 American Heart Association Diagnostic and Interventional Catheterization Committee of the Council of Cardiology

2000 Symposium on Gene Therapy and Local Drug Delivery Imaging and Intervention. Scientific Program and Abstract Review Committee

2000 SCVIR, Internet Advisory Committee

2000-2001 SCVIR, Film Panel Committee

2000-2006 Diagnostic and Interventional Catheterization Committee, American Heart Association, Liaison

2001 SCVIR, Strategic Planning Committee

2002 Medical Image Resource Committee, Radiological Society of North America

2003 Oral Boards Examiner, Diagnostic Radiology. American Board of Radiology

2003 CIRREF Clinical Trials Network Task Force. Society of Interventional Radiology

2004 Annual Meeting Committee, Society of Interventional Radiology (SIR)

2004 Society of Interventional Radiology Poster Judging Committee

2004 Society of Interventional Radiology Late Breaking Abstract Judging Committee

2004 Gary Becker Young Investigator Award Judging Committee, Society of Interventional Radiology

2004 Medical Student and Resident Travel Award Judging Committee, Society of Interventional Radiology

2004-2005 Workshop Chairman, Annual Meeting Committee, Society of Interventional Radiology

2005 Society of Interventional Radiology Poster Judging Committee.

2005 Society of Interventional Radiology Late Breaking Abstract Judging Committee

2005 Gary Becker Young Investigator Award Judging Committee, Society of

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Interventional Radiology  
2005 Society of Interventional Radiology Poster Judging Committee.  
2005-2006 Scientific Program Chairman, Annual Meeting Committee, Society of Interventional Radiology  
2006 Society of Interventional Radiology Poster Judging Committee.  
2006 Society of Interventional Radiology Late Breaking Abstract Judging Committee  
2006 Gary Becker Young Investigator Award Judging Committee, Society of Interventional Radiology  
2006-2007 Exhibitor Advisory Committee Chairman, Society of Interventional Radiology  
2006-2007 Chair/ Program Chair, Annual Meeting Committee, Society of Interventional Radiology  
2006-2007 Executive Committee, Society of Interventional Radiology. Annual Meeting Division Councilor, Annual Scientific Meeting Division.  
2007 Gary Becker Young Investigator Award Judging Committee, Society of Interventional Radiology  
2007 American Heart Association Epidemiology and Prevention Council Committee on Prevention  
2007 Peripheral Arterial Disease Task Force, Member. Society of Interventional Radiology  
2007 Peripheral Arterial Disease (PAD) Guidelines Implementation Task Force, Co-Chair. PAD Guidelines Applied in Practice (GAP) Demonstration Project. American Heart Association.  
2007 Meeting Committee. Society of Gastrointestinal Interventions (SGI). Seoul Korea (2007 Inaugural Meeting)  
2007-9 Scientific Program Committee. Society of Gastrointestinal Interventions (SGI). Seoul Korea (2008)  
2009-11 Professional Education Committee, American Heart Association, Council on Cardiovascular Radiology & Intervention (CVRI), Member.  
2010- Society of Interventional Radiology Executive Council, Councilor.  
2010-15 Scientific Program Committee Chairman, Society of Gastrointestinal Interventions (SGI).  
2010- Society of Interventional Radiology Foundation Board of Directors, Member.  
2010- SIR Invited Delegate & Representative, Chinese Society of Interventional Radiology  
2011 Scientific Program Committee Chairman, Society of Gastrointestinal Interventions (SGI)  
2011-2 Nominating Committee, Member. American Heart Association, Council on Cardiovascular Radiology & Intervention (CVRI), Member  
2011 Executive Committee, Society of Gastrointestinal Interventions  
2012 Executive Committee, Society of Gastrointestinal Interventions  
2012- Vice President, Executive Board. International Society for Neurovascular Disease (ISNVD)  
2012- Cardiovascular Radiology and Imaging Council Member. Elected Liaison for American Heart Association (AHA) to Society of Interventional Radiology (SIR).  
2012- Scientific Grant Advisory Board. The Annette Funicello Research Fund for Neurological Disease  
2012 Strategic Planning Committee: Society of Interventional Radiology. Alexandria, Virginia. May 2012  
2012 Strategic Planning Committee: Society of Interventional Radiology Research Foundation (SIRF). June 2012  
2014-5 President, International Society Neurovascular Disease (ISNVD)  
2015-6 President. Society of Gastrointestinal Interventions (2-year appointment)



## **Teaching and Clinical Responsibilities**

### **University of Pennsylvania**

1993-1999	Clinical Supervision and Teaching of Clinical Fellows, Residents, and Medical Students
1993-1999	Lectures to Radiology Residents, 6/Year
1993-1999	Vascular Surgery/ Interventional Radiology Conference, 1/Week
1994-1999	Preparation of Original Manuscripts with Medical Students, Residents, Fellows
1994-1999	Radiology Lectures/Seminars for Medical Students (RA300), 1/Month
1995-1999	Interventional Radiology Advanced Radiology Elective/ Medical Students, 5/Year
1995-1999	Interventional Radiology Journal Club, 1/Week

### **Columbia University**

1999-2006	Vascular Interventions Conference, 1/Week
1999-2008	Lectures to Radiology residents, 6/Year
1999-2002	Dialysis Access Interventions Interdisciplinary Conference, 6/Year
1999-2008	Hepatobiliary and Transplantation Interventions Conference, 1/Week
1999-2008	Clinical Supervision and Teaching of Clinical Fellows, Residents, and Medical Students
1999-2008	Preparation of Original Manuscripts with Medical Students, Residents, Fellows
1999-2008	Interventional Radiology Advanced Radiology Elective /Medical Students, 5/Year

### **University of Maryland**

2008-	Vascular and Interventions Case-Based review conferences, weekly
2008-	Lectures to Radiology residents and Interventional Radiology fellows, 16/year
2008-13	Fellowship Program Director, Division of Vascular and Interventional Radiology.
2009-	Medical Student Interventional Radiology Elective, Clerkship Director
2013-	Preceptor: Medical Student 10 month, MD/PhD student (resulted in 1 scientific poster, 1 published paper (JVIR))
2008-13	Interventional Radiology Journal club, 1/month

### **University of Virginia**

2013-	Interventional Radiology Journal Club, 2/ month
2013-	Fellowship Program Director, Interventional Radiology

### **National/ International**

1996	Society of Cardiovascular and Interventional Radiology (SCVIR), Scientific Session, Moderator
1997	Miami Vascular Institute International Vascular Symposium, Moderator
1997	SCVIR, Moderator, Scientific Session
1997	RSNA, Presiding Officer
1998	Albert Einstein College of Medicine/Montefiore Medical Center, Interventional Radiology 5th Annual Symposium, Moderator
1998	RSNA, Presiding Officer
2000	RSNA, Presiding Officer
2000	Cardiovascular and Interventional Radiology Society of Europe, Moderator
2000	ISSET (International Symposium on Endovascular Therapy), Moderator
2000	SCVIR, Moderator, Scientific Session
2000	SCVIR, Moderator, SCVIR Film Panel
2000	Symposium on Gene Therapy and Local Drug Delivery Imaging and Intervention, SCVIR. Moderator.

- 2000 "Vascular and Interventional Radiology" New York Roentgen Ray Society, Moderator. New York NY.
- 2000 RSNA, Presiding Officer.
- 2001 Transjugular Intrahepatic Portosystemic Shunts, Plenary Session Moderator. Cardiovascular and Interventional Radiology Society of Europe. Gothenburg, Sweden.
- 2001 Endovascular Grafts Plenary Session Moderator. Cardiovascular and Interventional Radiology Society of Europe. Gothenburg, Sweden.
- 2001 RSNA, Presiding Officer.
- 2002 3<sup>rd</sup> Annual Surgical and Radiological Endovascular Symposium, Moderator Saint Martin.
- 2002 SCVIR, Moderator, Scientific Session.
- 2002 Aortic Stent-Grafts, Plenary Session Moderator. Cardiovascular and Europe. Lucerne, Switzerland.
- 2002 Transjugular Intrahepatic Portosystemic Shunts Workshop Moderator. Cardiovascular and Interventional Radiology Society of Europe. Lucerne, Switzerland.
- 2003 New Frontiers in Interventional Radiology. Moderator. Society of Interventional Radiology. Salt Lake City UT.
- 2003 Turfology 101. Moderator. Society of Interventional Radiology. Salt Lake City UT.
- 2003 New Trends in Interventional Radiology. Moderator. Cardiovascular and Interventional Radiology Society of Europe. Antalya, Turkey.
- 2003 Special Sessions VI Peripheral Arterial Disease What Is New? Moderator. American Heart Association Annual Meeting. Orlando FL.
- 2003 How-to Session Catheter Directed Therapy of Deep Vein Thrombosis Rationale and New Techniques. Moderator, American Heart Association Annual Meeting. Orlando FL
- 2004 American College of Cardiology. Pad Care from The Evidence Base To Clinical Care Standards Symposium. Co-Chair.
- 2004 Freestanding IR Centers "Time to Roll" Symposium Coordinator and Moderator. Society of Interventional Radiology. Phoenix AZ
- 2004 Society of Interventional Radiology, Moderator, Scientific Session.
- 2004 Uterine Fibroid Embolization." Moderator. 12th Annual Symposium.
- 2006 Portal Hypertension Scientific Session. Moderator. Society of Interventional Radiology. Toronto, Canada.
- 2006 TIPS and Portal Hypertension Scientific Session. Moderator. Cardiovascular and Interventional Society of Europe. Rome, Italy.
- 2006 Liver Transplant Interventions. Moderator. Cardiovascular and Interventional Society of Europe. Rome, Italy.
- 2006 Portal Hypertension. Moderator. Asia Pacific Congress of Cardiovascular and Interventional Radiology. Pattaya, Thailand.
- 2007 TIPS. Moderator. 14<sup>th</sup> Annual Advanced Interventional Management Symposium. Cleveland Clinic Foundation. New York, NY.
- 2007 Portal Hypertension. Moderator. Global Embolization Symposium and Technologies (GEST 2007). Barcelona, Spain
- 2008 Interventions in Portal Hypertension. Workshop Coordinator. Society of Interventional Radiology Annual Meeting. Washington D.C.
- 2008 Portal Vein and Portal Hypertension. Scientific Session Moderator. Society of Interventional Radiology Annual Meeting. Washington D.C.
- 2008 SIR Meets Latin America. Moderator. Society of Interventional Radiology. San Diego CA
- 2009 Venous Insufficiency: Embolization and Ablation. Moderator. Global Embolization

- 2009 Symposium and Technologies (GEST 2009). Paris, France.  
"Best of the Rest of GEST" Global Embolization Symposium and Technologies (GEST 2009). Paris, France.
- 2009 "Morbidity and Mortality Symposium: Vascular" Co-Chair. CardioVascular and Interventional Radiology Society of Europe. Lisbon, Portugal.
- 2010 Lead-Investigator. Research Consensus Panel on Catheter Directed Interventions in Multiple Sclerosis and CCSVI. Co-Chair. Society of Interventional Radiology Research (SIR) Foundation.
- 2011 "Reality TV: Interventional Oncology Cases from the Institute" Moderator. 3<sup>rd</sup> Annual Clinical Interventional Oncology Symposium. Miami FL.
- 2011 "CCSVI and Multiple Sclerosis" Moderator/ Co-Organizer. Categorical Course. Society of Interventional Radiology Annual meeting. Chicago, IL.
- 2011 SIR Film Panel Panelist. Society of Interventional Radiology Annual meeting. Chicago, IL.
- 2011 Cardiovascular and Interventional Society of Europe: Film Interpretation Panel. Munich, Germany.
- 2012 Film Panel Member. British Society of Interventional Radiology Annual Meeting

### **Grant Support (Funded Research)**

#### **Completed**

- 1993-1996 Transjugular Intrahepatic Portosystemic Shunts: Schneider USA. (Site P.I.)  
Endovascular Stent Graft for Transjugular Intrahepatic Portosystemic Shunts: Corvita Co. (Sole P.I.)
- 1996 Arterio-Venous Access Application of the Wallstent Endoprosthesis: Pfizer/ Schneider USA (Site P.I.)
- 1996-1997 Development of a Stent-Graft for Transjugular Intrahepatic Portosystemic Shunts in a Porcine Model: Johnson & Johnson and Impra Inc. (Sole P.I.)
- 1996-1997 Evaluation of a Polyethylene Terephthalate (PET) Endovascular Stent Graft for Transjugular Intrahepatic Portosystemic Shunts in a Porcine Model: Pfizer/ Schneider USA. (Sole P.I.)
- 1996-1997 Efficacy Evaluation of Endovascular Grafts for TIPS in a Porcine Model: Bard Co. (Sole P.I.)
- 1997-1998 Evaluation of a Corethane Endovascular Stent Graft for Transjugular Intrahepatic Portosystemic Shunts in a Porcine Model: Pfizer/ Schneider USA. (Sole P.I.)
- 1997-1999 Prospective Evaluation of Endovascular Prostheses in a Porcine Model of Transjugular Intrahepatic Portosystemic Shunt (TIPS): W.L. Gore and Associates, Inc. (Sole P.I.)
- 1999-2001 Evaluation of an ePTFE Covered Biliary Endoprosthesis for Treatment of Malignant Biliary Obstruction: Cordis / Johnson & Johnson (National P.I.).
- 1999-2002 A Prospective Evaluation of the Meadox, Vanguard and Passager Endoprosthesis for the Elective Treatment of Infrarenal Abdominal Aortic Aneurysms and Aorto-Iliac Aneurysms in Humans: Boston Scientific Inc. (Site P.I.)
- 1999-2004 Investigational Device Evaluation of the GORE TIPS Endoprosthesis-Via a Two Component Pivotal Investigational Device Study: W.L. Gore and Associates, Inc. (National P.I.)
- 1999-2004 The Wallgraft Endoprosthesis for Peripheral Aneurysm and Trauma Clinical Study: Boston Scientific Inc. (Site Co-investigator)
- 1999-2004 The Wallgraft Endoprosthesis for Complex Iliac Stenosis and Occlusion: Boston Scientific Inc. (Site Co-investigator)
- 1999-2004 Multicenter Evaluation of the Endoluminal Device (PTFE Stent Graft) for

- Treatment of Failing Hemodialysis Stent Grafts. Bard Peripheral Vascular. (National P.I.)
- 2000-2001 A Multicenter, Comparative, Two Arm, Phase 3 Study to Determine the Safety and Efficacy of MS-325-Enhanced MRA for Evaluation of Aortoiliac Occlusive Disease in Patients with Known or Suspected Peripheral Vascular Disease or Aortic Aneurysm: EPIX (Site P.I.)
- 2000-2003 Percutaneous Treatment of Liver Tumors with Acetic Acid (Site Co-investigator)
- 2001-2002 Utilization of Alteplase Therapy and Integrilin to Manage Arterial Thrombosis in the Extremities (ULTIMATE) Arterial Occlusive Disease. (Site P.I.)
- 2001-2002 In Vitro Evaluation of a Novel Antimicrobial Agent Delivery System. Boston Scientific Inc. (P.I.)
- 2001-2003 Evaluation of the IntraTherapeutics Renal Stent for Treatment of Renovascular Disease: IntraTherapeutics Inc. (RESTORE) (Site P.I.)
- 2002-2006 "Transplantation of islets of Langerhans in renal transplant patients with insulin dependent diabetes mellitus" (Site Co-Investigator)
- 2004 Multicenter Phase I Evaluation of the OmniSonics Ultrasonic Thrombectomy System for Treatment of Symptomatic Deep Vein Thrombosis (National P.I.)
- 2004-2006 Accelerated Venous Thrombolysis and Thrombectomy Trial (ADVENTT) Multicenter Prospective Trial. (National P.I.) FDA-Approved physician-sponsored NDA study (National P.I.)
- 2004-2006 Intra Lesional rFB7.1 versus rFTricom in the Treatment of Metastatic Cancer (co-investigator)
- 2004-2006 Phase I Trial with Plasmin to evaluate safety and to select the doses for Phase II in patients with hemodialysis graft occlusion. Bayer. (Site Co-Investigator)
- 2005-2006 The Wallgraft Endoprosthesis for Peripheral Aneurysm and Trauma Clinical Study: Boston Scientific Inc. (Site P.I. for follow up & closeout)
- 2005-2006 The Wallgraft Endoprosthesis for Complex Iliac Stenosis and Occlusion: Boston Scientific Inc. (Site P.I. for follow up & closeout)
- 2006-2007 CAFÉ (Cancer Patient Fracture Evaluation) Kyphoplasty Study. Kyphon Inc. (Site Co-Investigator).
- 2006-2007 "Cardiovascular Outcomes in Renal Atherosclerotic Lesions Randomized and Multicenter Two Group Clinical Trial to assess the best Treatment for Patients with High Blood Pressure and Renal Artery Stenosis: Stenting with Antihypertensive Medical Therapy, Compared to Medical Therapy Alone (CORAL). NHLBI sponsored. (Interventional Site P.I.)
- 2006-2008 Therasphere Endovascular Brachytherapy for Hepatic Malignancy. (Site P.I.)
- 2005-2009 "RENAISSANCE: A Prospective Multicenter Single Arm Study Evaluating the Express Renal Pre-mounted Stent System in the Treatment of Atherosclerotic Lesions in the Aortorenal Ostium. Boston Scientific. (Site P.I.)
- 2006-2008 "Boston Scientific EPI: A Carotid Stenting Trial for High-Risk Surgical Patients" Boston Scientific (Site P.I.)
- 2007-2008 "Rex Medical Inferior Vena Caval Filter Study" Rex Medical (Site P.I.).
- 2011 Fluency RESCUE Controlled Trial for Treatment of Recurrent Central Vein Stenosis. Site PI. (Bard Peripheral Vascular); closed
- 2009-12 ATTRACT Trial. NHLBI sponsored. (Site P.I.)- closed.
- 2008-13 RENOVA Trial. National Principal Investigator (Bard Peripheral Vascular), (enrollment complete).
- 2010-13 The Early TIPS Study: MultiCenter Controlled Trial of Transjugular Intrahepatic Portosystemic Shunts Vs. Large Volume Paracentesis in Patients with Resistant Ascites. W.L. Gore and Associates. Est. budget \$2.5million (National P.I.). (closed)
- 2011 Phase 3 Prospective, Randomized, Blinded And Controlled Investigation Of

- 2012-3 Hepasphere/Quadraspera Microspheres For Delivery Of Doxorubicin For The Treatment of Hepatocellular Cancer (HiQuality Study). Merit Medical. (Site P.I.) (closed)
- 2012-3 Safety and Efficacy of Embozene® Microspheres for Uterine Fibroid Embolization compared to Embosphere® for Symptomatic Relief from Uterine Fibroids. (Site P.I.), CeloNova BioSciences
- 2012-3 Prostate Artery Embolization for Treatment of Symptomatic Benign Prostatic Hypertrophy vs. TURP: A Multicenter Randomized Trial. (Site P.I.)
- 2012-3 Prospective Multicenter Controlled Study of Catheter Directed Therapy of Chronic Cerebrospinal Venous Insufficiency in Patients with Symptomatic Multiple Sclerosis. Site P.I., Study Steering Committee (concluded)
- 2015-7 EMPRESS Microwave Lung Ablation. (Site P.I.), Covidien
- 2015-7 MOSAIC: AlfaPump. U.S. PMA Trial. (Site P.I.) Sequana Medical.

### **Active**

- 2015- Prostate Artery Embolization, Phase I. Investigator-Sponsored IDE. (Sole P.I.) clinicaltrials.gov NCT02592473 (Siemens Medical)
- 2018- Tate Versus Tace, An Open-Label Randomized Study Comparing Trans-Arterial Tirapazamine Embolization Versus Transarterial Chemoembolization In Intermediate Stage Hepatocellular Carcinoma. Teclison Pharmaceuticals. (Site P.I.)
- 2017- Virtual Reality in Interventional Radiology. Elsevier Editor Innovation Grant. (premiered at SIR Annual Scientific Meeting, March 2018)
- 2017-9 Treatment of Knee Osteoarthritis With Intra-arterial Particle Embolization in a Non-surgically Induced Ovine Model. RSNA Seed Grant. (Andre Uflacker recipient.) Senior Mentor/Advisor.
- 2019 University of Virginia Graduate Medical Education Innovation grant. Virtual Reality Media Development for GME Training. Funded.
- Ongoing Numerous roles as site co-investigator, available upon request.

### **Publications**

#### **Peer-reviewed journal articles**

1. Haskal ZJ, Ring EJ, LaBerge JM, Peltzer MY, Radosevich PM, Doherty MM, Gordon RL. The role of parallel transjugular intrahepatic portosystemic shunts (TIPS) in patients with persistent portal hypertension. *Radiology* 1992; 185:813-817.
2. Peltzer MY, Ring EJ, LaBerge JM, Haskal ZJ, Radosevich PM, Gordon RL. Treatment of Budd-Chiari by a transjugular intrahepatic portosystemic shunt. *J Vasc Intervent Radiol* 1993; 4:263-268.
3. Radosevich PM, Ring EJ, LaBerge JM, Peltzer MY, Haskal ZJ, Doherty MM, Gordon RL. Transjugular intrahepatic portosystemic shunts in patients with portal vein occlusion. *Radiology* 1993; 186:523-527.
4. Haskal ZJ, LaBerge JM, Gordon RL, Gonzalez JA. The response of Wallstents to dilation: therapeutic implications. *J Vasc Intervent Radiol* 1993; 4:635-637.
5. Haskal ZJ, Pentecost MJ, Rubin RA. Hepatic arterial injuries after transjugular intrahepatic portosystemic shunt placement: report of two cases. *Radiology* 1993; 188:85-88.
6. Haskal ZJ, Naji, A. Treatment of portal vein thrombosis after liver transplantation by percutaneous thrombolysis and stent placement. *J Vasc Intervent Radiol* 1993; 4:789-792.
7. Haskal ZJ, Scott M, Rubin RA, Cope C. Intestinal varices: treatment with the transjugular intrahepatic portosystemic shunt. *Radiology* 1994; 191:183-187.
8. Haskal ZJ, Soulen MC, Huettl EA, Palevsky H, Cope C. Life-threatening pulmonary emboli and cor pulmonale: treatment with percutaneous pulmonary artery stent placement. *Radiology* 1994; 191:473-475.

9. Haskal ZJ, Zuckerman, J. Resolution of refractory hepatic hydrothorax after placement of a transjugular intrahepatic portosystemic shunt (TIPS). *Chest* 1994; 106:1293-1295.
10. Haskal ZJ, Cope C. Combined transhepatic and transvenous approach to hepatic vein stenosis after transjugular intrahepatic portosystemic shunt (TIPS). *Cardiovasc Intervent Radiol* 1994; 17:173-175.
11. Haskal ZJ, Pentecost MJ, Soulen MS, Shlansky-Goldberg RD, Baum RA, Cope C. Transjugular intrahepatic portosystemic shunt stenosis and revision: early and mid-term results. *AJR* 1994; 163:439-444.
12. Hertz SM, Holland GA, Baum RA, Haskal ZJ, Carpenter JP. Evaluation of renal artery stenosis: comparison of magnetic resonance angiography and contrast angiography. *Am J Surg* 1994; 168:140-143.
13. Haskal ZJ, Middlebrook MR. Creation of a stenotic stent to reduce transjugular intrahepatic portosystemic shunt flow. *J Vasc Intervent Radiol* 1994; 5:827-830.
14. Rubin RA, Haskal ZJ, O'Brien C, Cope C, Brass CA. Transjugular intrahepatic portosystemic shunt: decreased survival for patients with high APACHE II Scores. *Am J Gastro* 1995; 90:556-563.
15. Le TT, Haskal ZJ, Holland GA, Townsend R. Endovascular stent placement and magnetic resonance angiography for management of hypertension and renal artery occlusion during pregnancy. *Obstetrics and Gynecology* 1995; 85:822-825.
16. Haskal ZJ, Cope C, Soulen MS, Shlansky-Goldberg RD, Baum RA, Redd DR. Intentional reversible thrombosis of transjugular intrahepatic portosystemic shunts *Radiology* 1995; 195:485-488.
17. Haskal ZJ. Treatment of acute mesenteric venous thrombosis with transjugular intramesenteric urokinase infusion: invited commentary. *J Vasc Intervent Radiol* 1995; 6:219-228.
18. Middlebrook MR, Amygdalos MA, Soulen MC, Haskal ZJ, Shlansky-Goldberg RD, Cope C, Pentecost MJ. Thrombosed dialysis grafts: percutaneous mechanical balloon declotting versus thrombolysis. *Radiology* 1995; 196:73-77.
19. Coldwell DM, Ring EJ, Rees CR, Zemel G, Darcy MD, Haskal ZJ, McKusick MM, Greenfield AJ. Multicenter investigation of the role of transjugular intrahepatic portosystemic shunts in the management of portal hypertension. *Radiology* 1995; 196:335-340.
20. Baum RA, Carpenter JP, Axel L, et al. (American College of Radiology Rapid Technology Assessment Group, Haskal ZJ, inter-institutional site investigator). Multicenter trial to evaluate peripheral vascular magnetic resonance angiography. *JAMA* 1995; 274:875-880.
21. DiGiacomo JC, McGonigal MD, Haskal ZJ, Audu PB, Schwab CW. Arterial bleeding diagnosed by CT in hemodynamically stable victims of blunt trauma. *J Trauma* 1996; 40:249-252.
22. Haskal ZJ, Duszak, R Jr., Furth EE. Transjugular intrahepatic transcaval portosystemic shunt: the gunshot approach. *J Vasc Intervent Radiol* 1996; 7:139-142.
23. Amygdalos MA, Haskal ZJ, Cope C, Kadish SL, Long WB. Transjugular insertion of biliary stents (TIBS) in two patients with malignant biliary obstruction, ascites, and coagulopathy. *Cardiovasc and Intervent Radiol* 1996; 19:107-109.
24. Haskal ZJ, Cope C, Shlansky-Goldberg RD, Baum RA, Pentecost MJ, Soulen MC, Redd DCB. Transjugular intrahepatic portosystemic shunt-related arterial injuries: a prospective comparison of large and small gauge needle systems. *J Vasc Intervent Radiol* 1996; 6:911-915.
25. Haskal ZJ, Leen VL, Thomas-Hawkins C, Shlansky-Goldberg RD, Baum RA, Soulen MC. Transvenous removal of fibrin sheaths from tunneled hemodialysis catheters. *J Vasc Intervent Radiol* 1996; 7:513-517.
26. Cope C, Baum RA, Haskal ZJ. Balloon occlusion portography to diagnose new-onset left hepatic vein thrombosis and widening of an existing Wallstent TIPS by Palmaz stents for recurrent portal hypertension and variceal bleeding. *Cardiovasc Intervent Radiol* 1996; 19: 368-70.

27. Duszak RD, Haskal ZJ, Sacks D, Coffey JA. Massive hemolysis: a rare complication of transcatheter coil embolization. *J Vasc Intervent Radiol* 1996; 7:603-606.
28. Davis AG, Haskal ZJ. Extrahepatic portal vein puncture and intra-abdominal hemorrhage during transjugular intrahepatic portosystemic shunt creation. *J Vasc Intervent Radiol* 1996; 7:863-866.
29. Cardella J, Bakal C, Bertino R, Burke D, Drooz A, Haskal ZJ, Lewis CA, Malloy P, Meranze S, Ogilvie S, Sacks D, Towbin R. Quality improvement guidelines for image-guided percutaneous biopsy in adults: Society of Cardiovascular and Interventional Radiology Standards of Practice Committee. *J Vasc Intervent Radiol* 1996; 7:943-946.
30. Reilly KJ, Shapiro MB, Haskal ZJ. Angiographic embolization of penetrating traumatic renal arterio-venous fistula. *J Trauma* 1996; 41:763-5.
31. Insko EK, Haskal ZJ. Antiphospholipid syndrome: patterns of life-threatening and severe recurrent vascular complications. *Radiology* 1997; 202:319-326.
32. Haskal ZJ, Rees CR, Ring EJ, Saxon R, Sacks D. Reporting standards for transjugular intrahepatic portosystemic shunts. Technology Assessment Committee of the SCVIR. *J Vasc Intervent Radiol* 1997; 8:289-297 (and republished: *J Vasc Interv Radiol*. 2003; 14:S419-26).
33. Lewis CA, Allen TE, Burke DR, Cardella JF, Citron SJ, Cole PE, Drooz AT, Drucker EA, Haskal ZJ, Martin LG, Moore AV, Neithamer CD, Ogilvie SB, Rholl KS, Roberts AC, Sacks D, Sanchez O, Venbrux A, Bakal CW. Quality improvement guidelines for central venous access. *J Vasc Intervent Radiol* 1997; 8:475-479.
34. Shlansky-Goldberg RD, Soulen MC, Haskal ZJ, Cope C. Use of articulated catheters in the treatment of biliary strictures. *Cardiovasc and Intervent Radiol* 1997; 20:232-236.
35. Haskal ZJ, Carroll JW, Jacobs JE, Arger PH, Yin D, Coleman BG, Langer JE, Rowling SE, Nisenbaum HL. Sonography of transjugular intrahepatic portosystemic shunts: detection of elevated portosystemic gradients and loss of shunt function. *J Vasc Intervent Radiol* 1997; 8:549-556.
36. Soulen MC, Zaetta JM, Amygdalos MA, Haskal ZJ, Shlansky-Goldberg RD. Mechanical declotting of thrombosed dialysis grafts: experience in 86 cases. *J Vasc Intervent Radiol* 1997; 8: 563-567.
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40. Sacks D, Marinelli DL, Martin LG, Spies JB, Bakal CW, Becker GJ, Burke DR, Cole PE, Dake MD, Gray MJ, Hansen ME, Haskal ZJ, Holden RW, Katz MD, Machan LS, Patel NH, Shlansky Goldberg R. Reporting standards for clinical evaluation of new peripheral arterial revascularization devices. *J Vasc Intervent Radiol* 1997; 8:137-149.
41. Shlansky-Goldberg RD, VanArsdalen KN, Rutter CM, Soulen MC, Haskal ZJ, Baum RA, Cope C, Pentecost MJ. Percutaneous varicocele embolization versus surgical ligation for the treatment of infertility: changes in seminal parameters and pregnancy outcomes. *J Vasc Intervent Radiol* 1997; 8:759-767.
42. Haskal ZJ, Davis A, McAllister A, Furth EE. PTFE- encapsulated endovascular stent graft for transjugular intrahepatic portosystemic shunts: experimental evaluation. *Radiology* 1997; 205:682-688.

43. Haskal ZJ. TIPS: Randomized clinical trials and basic research. *J Vasc Intervent Radiol* 1998; 9: 132-8.
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46. Cerukuri R, Haskal ZJ, Naji A, Shaked A. Percutaneous thrombolysis and stent Placement for the treatment of portal vein thrombosis after liver transplantation: long term follow-up. *Transplantation* 1998; 65: 1124-1126.
47. Zaetta JM, Baum RA, Haskal ZJ, Shlansky-Goldberg RD, Soulen MC. Thrombosed dialysis grafts: percutaneous mechanical declotting using a central venous approach. *J Vasc Intervent Radiol* 1998;9: 833-836.
48. Hurst RW, Haskal ZJ, Bagley LJ, Zager E, Flamm ES. Endovascular stent treatment of cervical internal carotid artery aneurysms with parent vessel preservation. *Surgical Neurology* 1998;50: 313-7.
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54. Arora R, Soulen MC, Haskal ZJ. Cutaneous complications of chemoembolization of extrahepatic collateral tumor vessels. *J Vasc Intervent Radiol* 1999; 10:1351-1356.
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65. Kasirajan, K, Haskal ZJ, Ouriel K. The use of mechanical thrombectomy devices in the management of acute peripheral arterial occlusive disease. *J Vasc Interv Radiol* 2001 12: 405-411.
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80. Yee, DC, Haskal ZJ. Healing response of porcine iliac veins to endovascular grafting. Society of Cardiovascular and Interventional Radiology, March 2000 San Diego CA.
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83. Machan L, Haskal ZJ. A Web Based Survey of Neck and Back Pain amongst Interventional Radiologists. 26th Annual Meeting of the Society of Cardiovascular and Interventional Radiology. San Antonio TX.
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101. Cura M, Rundback J, Weintraub J, Haskal ZJ, Susman J, Kothary N. Technical Feasibility and Safety of Renal Artery Angioplasty and Stenting with Distal Protection Devices. 2004 Society of Interventional Radiology Annual Meeting. Phoenix AZ.
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104. Rundback JH, Hwang D, Susman J, Haskal ZJ, Weintraub J. T<sub>p</sub>H Diffusion of Acetic Acid in an Ex-Vivo Calf Liver Model. 2004 Society of Interventional Radiology Annual Meeting. Phoenix AZ.
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106. Cura M, Haskal ZJ. Transjugular Intrahepatic Portosystemic Shunts Creation and Revision with Stent Graft. Poster 1625VI-e. 2004 Radiological Society of North America. Chicago IL.
107. Haskal ZJ (for the Investigators of the US AV Access Stent Graft Trial). Results of the U.S. Bard Multicenter Randomized Trial of an ePTFE Dialysis Access Stent Graft. 2005 Society of Interventional Radiology Annual Meeting. New Orleans LA.
108. Haskal ZJ (for the Investigators of the U.S. Bard AV Access Trial). Results of the U.S. Multicenter Randomized Trial of An ePTFE Covered Stent Graft vs. Balloon Angioplasty. 2005 4th International Congress of the Vascular Access Society (VAS). Berlin, Germany.

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110. Haskal ZJ. PTFE Stent Grafts Improve Dialysis Access Graft Patency: Results of the U.S. Randomized Multicenter Trial. 2005 American Society of Nephrology Annual Meeting (Oral Presentation). Philadelphia, PA.
111. Marcovici P, Haskal ZJ. Patterns of Stent Graft Restenosis in the U.S. Randomized Trial of Stent Grafts vs. PTA for Failing AV Access Grafts. 2006 Society of Interventional Radiology Annual Meeting. Toronto, Canada.
112. Weintraub JL, Eubig J, Haskal ZJ, Susman J., Kothary N, Hanjan T. Mid Term Results of Balloon Dilatation of Benign Esophageal Strictures in Children. 2006 Society of Interventional Radiology Annual Meeting. Toronto, Canada.
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117. Haskal ZJ, Quish A. Feasibility Evaluation of Catheter Directed Interventions in Multiple Sclerosis CCSVI patients. J Vasc Intervent Radiol 2011; 22: S155.
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119. Rucks AT, Haskal ZJ, Richard HM, Patel RS. Single session management of SVC syndrome and complex central vein occlusion. J Vasc Intervent Radiol 2012; 23:S178.
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121. Janne d'Othee B, Haskal ZJ, Rodgers A, Richard HM, Iliescu B. Influence of a self-reporting metric (SRM) on IR physicians' documentation of adverse events and complications. J Vasc Intervent Radiol 2012; 23:S126-7.
122. Mitchell JW, Haskal ZJ, Bishop K, Finnegan K. Use of LEAN business tools to improve Interventional Radiology pre-procedure delays. Society of Interventional Radiology Annual Scientific Meeting. New Orleans LA. April 2013.
123. Johnson S, Griffin D, Smouse B, Haskal ZJ, Almeida JI, Javier J, Mackay E, Mustapha J, Castelberry J, Goodrich S, Parmenter M, Trommeter J, Shandas R. Long-term evaluation of the Medusa™ Vascular Plug for vascular embolization: Pre-clinical evaluation. Society of Interventional Radiology Annual Scientific Meeting. New Orleans LA. April 2013.
124. Janne D'Othee B, Haskal ZJ. IR Peer, a newly developed peer review scoring system designed for Interventional Radiology practice. Society of Interventional Radiology Annual Scientific Meeting. New Orleans LA. April 2013.
125. Wilson KA, Haskal ZJ, Jarrell K. Detection, diagnosis, and interventions for treatment of biliary complications in liver transplant patients: current state of the art. Society of Interventional Radiology Annual Scientific Meeting. New Orleans LA. April 2013.
126. Ahkter NM, Haskal ZJ. Ectopic Varices: Pathogenesis, Diagnosis and Management. Society of Interventional Radiology Annual Scientific Meeting. New Orleans LA. April 2013.

127. Haskal ZJ. Twelve-month results of the RENOVA trial: a prospective multicenter randomized, concurrently-controlled comparison of the Flair® endovascular stent graft vs. balloon angioplasty in dialysis access grafts. Society of Interventional Radiology Annual Scientific Meeting. New Orleans LA. April 2013 *\*Abstract of the Year\**
128. Haskal ZJ. Post-Market Study of a Stent-Graft in AVGs: What We Learned from the RENOVA Trial. *J Vasc Access* 2013;14:S26.
129. Doster J, Angle JF, Stone J, Haskal ZJ, Park A, Wilkins LR, Matsumoto AH, Sabri SS. Technique and tools needed for successful balloon-occluded retrograde transvenous obliteration (BRTO). *J Vasc Interv Radiol* 2014; 25: S158
130. Wong S, Cristescu M, Angle JF, Haskal ZJ, Stone J, Wilkins LR, Sabri SS. Diagnosis and treatment of isolated splenic vein thrombosis. *J Vasc Interv Radiol* 2014; 25: S194-S195.
131. Haskal ZJ. 24-month final results from the RENOVA study: a randomized controlled comparison of stent grafts and balloon angioplasty for dialysis access graft preservation. *J Vasc Interv Radiol* 2014; 25: S6 *\*Abstract of the Year\**
132. Doster J, Angle JF, Sabri SS, Haskal ZJ, Park A, Wilkins LR, Matsumoto AH. Endovascular treatment options for a Dieulafoy's lesion. *J Vasc Interv Radiol* 2014; 25: S174
133. Ugas M, Wilkins LR, Stone J, Sabri SS, Haskal ZJ, Angle JF. Rates of complication and embolic capture utilizing the NAV-6 embolic protection system during arterial interventions involving the lower extremity. *J Vasc Interv Radiol* 2014; 25: S94-S95.
134. Karaman, B, Angle JF, Sabri S, Wilkins LR, Stone J, Haskal ZJ. Percutaneous microwave ablation of hepatocellular carcinoma: single versus multiple antenna. *J Vasc Interv Radiol* 2015; 26: S125
135. Nadar MM, Haskal ZJ, Hendricks N. Nonocclusive hepatic arterial hypoperfusion in liver transplant recipients: etiologies, therapies, and results. *J Vasc Interv Radiol* 2015; 26: S216.
136. Keefe N, Haskal Z. "Enterocutaneous Fistula: Can Interventional Radiologists Fix Big Leaks. Radiological Society of North America. Chicago IL. November 2016.
137. Rueb G, Uflacker A, Haskal ZJ. Perfecting cone-beam CT angiography for prostatic artery embolization: utilizing ultra-low contrast injection rates to maximize quality of tissue characterization. Annual Scientific Meeting of the Society of Interventional Radiology. Los Angeles. March 2018.
138. Bendel E, Sniderman K, Shaw C, Frederick R, Wong F, Sanyal A, Asrani S, Kamath P, Capel J, Haskal Z. Technical Considerations and Outcomes from the MOSAIC Study: A Multicenter, Open-Label Prospective Study of the Alfapump System Used for Management of Refractory Ascites. Annual Scientific Meeting of the Society of Interventional Radiology. Los Angeles. March 2018.
139. Contrella B, Haskal ZJ. Are percutaneous nephrostomies and arterial thrombolysis more likely to be referred to interventional radiology overnight compared with during daytime hours? *JVIR*. Society of Interventional Radiology 2020
140. Clark M, Banathy A, Khaja M, Downs E, Sharma A, Teman N, Sheeran D, Angle J, Haskal ZJ. Extracorporeal Membranous Oxygenation in Patients with Acute Pulmonary Embolism Undergoing Catheter Directed Therapy: Lessons Learned. *JVIR*. Society of Interventional Radiology 2020

### **Electronic Media Publications** (>70 Items)

- @zhaskal (>2800 followers)
- JVIR podcasts/ vodcasts. Distributed through [jvir.org](http://jvir.org), iTunes. *iTunes JVIR Podcast Channel*.
- *JVIR Access* ([www.jviraccess.org](http://www.jviraccess.org)). JVIR blog debuted 2015. >250,000 views, January 2019
- @JVIRMedia (Twitter). >14000 Followers
- *JVIR Ablation Resource Center*: [www.ablation.jvir.org](http://www.ablation.jvir.org) (2015-8)

- Virtual Reality Transjugular Intrahepatic Portosystemic Shunt (10 segment VR instructional movie). [tinyurl.com/y2cc4lyt](http://tinyurl.com/y2cc4lyt)

### **Major Invited Speeches (>750)**

#### **Local**

1. Hepatobiliary Interventional Radiology Symposium. University of Pennsylvania. Philadelphia PA: October 1993.
2. "Interventional Radiology in the Intensive Care Unit" Critical Care Medicine: A Comprehensive Review and Update. University of Pennsylvania. Philadelphia PA. October 1993.
3. Hepatobiliary Interventional Radiology Symposium. University of Pennsylvania. Philadelphia PA: October 1994.
4. "TIPS" Get-the-Credit Radiology Seminar. University of Pennsylvania December, 1995
5. "TIPS: Experimental Device Testing" University Animal Laboratory Research Investigators Forum. University of Pennsylvania. January 1996.
6. "Management of Portal Hypertension and Ascites with TIPS" On the Frontier of Gastroenterology. Allegheny General Hospital. Pittsburgh PA. April, 1996.
7. "The Latest in TIPS" Get-the-Credit Radiology Seminar. University of Pennsylvania. Philadelphia PA. September, 1996.
8. Interventional Radiology and Vascular Imaging 1996. University of Pennsylvania. Philadelphia PA: October, 1996.
9. "Catheter Directed Therapy of Deep Venous Thrombosis" Surgical Grand Rounds. Hospital of the University of Pennsylvania. Philadelphia PA. October, 1998.
10. "Catheter-Directed Therapy for Deep Venous Thrombosis" Critical Care Grand Rounds. New York Presbyterian Hospital, New York, NY. February, 2001.
11. "Cancer Gene Therapy" Radiology Grand Rounds. Columbia College of Physicians and Surgeons. New York, NY. March, 2001
12. "What's New in Interventional Radiology" NewYork Presbyterian Hospital. Board of Trustees. New York, NY. June, 2001
13. "Innovative Image-Guided Therapy of Cancer" Columbia Presbyterian Health Sciences Advisory Council. NY-Presbyterian Hospital. NY NY. May, 2003
14. "Transjugular Intrahepatic Portosystemic Shunts: State of the Art" Gastroenterology Grand Rounds. Columbia University College of Physicians and Surgeons/ New York Presbyterian Hospital. New York, NY. April, 2006
15. "Update of Dialysis Graft Interventions: Myth and Evidence" Nephrology Grand Rounds. Columbia University College of Physicians and Surgeons/ New York Presbyterian Hospital. New York, NY. May, 2006
16. "Pulmonary Embolism, Deep Vein Thrombosis, and Venous Thromboembolic Disease: Treatment and Interventions" Columbia University Medical School 1st year student curriculum. October 2007
17. "Uterine Fibroid Embolization" OB-GYN Grand Rounds. University of Maryland School of Medicine. Winter 2008.
18. Transjugular Intrahepatic Portosystemic Shunts" Radiology Grand Rounds. University of Maryland School of Medicine. October 2008.
19. "Catheter Directed Treatment of DVT" Nursing Educational Program. University of Maryland Medical Center. February 2009.
20. "Transjugular Intrahepatic Portosystemic Shunts: What Do We know?" Gastroenterology Grand Rounds. University of Maryland School of Medicine. Winter 2009.
21. "Uterine Fibroid Embolization" St. Joseph's Medical Center OB/GYN Grand Rounds. Towson MD. May 2009.
22. "Ablation of Lung Tumors: Best Evidence" Hematology Oncology Grand Rounds. University of Maryland School of Medicine. Fall 2009.

23. "Catheter Directed Therapy of DVT: It's About the Leg" Medicine Grand Rounds. University of Maryland School of Medicine. Fall 2009.
24. Catheter Directed Therapy of DVT" Medicine Grand Rounds. Good Samaritan Hospital. Baltimore MD. Fall 2009.
25. "Interventions in Venous Thromboembolic Disease" University of Maryland School of Medicine. Department of Radiology. September 2009.
26. "Advances in Management of Dialysis Graft Access: Evidence Based Review" Nephrology Grand Rounds. University of Maryland School of Medicine. February 2010.
27. "Complications of Liver Transplantation" Gastroenterology Grand Rounds. University of Maryland School of Medicine. February 2010.
28. "Transjugular Intrahepatic Portosystemic Shunts: What's New in 2010?" Transplantation Grand Rounds. University of Maryland School of Medicine. February 2010.
29. "Radiofrequency Ablation of Lung Tumors: Results and Perspectives" Medicine Grand Rounds. Maryland General Hospital. September 2010.
30. "Advances in Hemodialysis Access Management: Level 1 Evidence and Opportunities" University of Maryland School of Medicine. Department of Radiology Grand Rounds. October 2010.
31. "UFE Health Update" University of Maryland. Reistertown. December 2011.
32. "Locoregional Therapy for Treatment of Primary and Metastatic Liver Cancer: Review of the Evidence" Grand Rounds. Frederick Memorial Hospital. Frederick MD. April 2012.
33. "Catheter Directed Therapy of Deep Vein Thrombosis and Venous Thromboembolic Disease: State of the Evidence" Medical Grand Rounds. Shadygrove Hospital. Bethesda MD. February 2013.
34. "Trends in Publishing, Bibliometrics and Beyond: Perspectives from the JVIR Editor" Radiology Grand Rounds, University of Virginia. April 2015.
35. "Evidence: Dialysis Stent Grafts- National Trials" Interdisciplinary Conference for Hemodialysis Access. University of Virginia. October 2015.
36. "Transjugualr Intrahepatic Portosystemic Shunts: Anesthesia Considerations" Anesthesia Grand Rounds. University of Virginia, Charlottesville VA. December 2016.
37. "How to Get Your Paper Published" University of Virginia School of Medicine. Charlottesville VA. December 2016.
38. "How to Get Your Paper Published" University of Virginia School of Medicine. Charlottesville VA. December 2017.
39. "How to Get Your Paper Published" University of Virginia School of Medicine. Charlottesville VA. December 2018.
40. "How to Get Your Paper Published" University of Virginia School of Medicine. Charlottesville VA. January 2020.
41. "Vein Vedi Vici: Deforestation of Our Patinets' Veins by Venous Access" Department of Medicine Grand Rounds. University of Virginia. Charlottesville VA. December 2019.
42. "How to Get Your Paper Published" University of Virginia School of Medicine. Charlottesville VA. December 2020.

### **National**

1. "Transjugular Intrahepatic Portosystemic Shunts" Radiology Grand Rounds, Boston University School of Medicine. Boston MA. January 1993.
2. "TIPS: Techniques and Clinical Applications" Boston University Medical Center Symposium on Diagnostic Imaging. Boston MA. April 1993.
3. "TIPS Formation: Anatomy and Technique" "Difficult TIPS" "TIPS: Results and Outcome" "Shunt Follow up and Reintervention" Transjugular Intrahepatic Portosystemic Shunts" Surgical Grand Rounds. Medical Center of Delaware. Wilmington DE. February 1994.
4. "TIPS Anatomy and Technique" "Tough TIPS: Advanced Interventions. Dual TIPS, Budd-Chiari, Portal Vein Occlusion," "Venography and Late Interventions in TIPS," "Stenting for

- Malignant Biliary Strictures," "TIPS: Advanced Interventions Workshop," Society of Cardiovascular and Interventional Radiology. San Diego CA. March 1994.
5. "TIPS-- The Year In Review" Penn-Jeff Interventional Radiology Research Conference. Skytop PA. June 1994.
  6. "Advanced TIPS Workshop" Society of Cardiovascular and Interventional Radiology. Fort Lauderdale FL. March, 1995
  7. "Vascular Interventions hop" Society of Cardiovascular and Interventional Radiology. Fort Lauderdale FL. March, 1995
  8. "Percutaneous and Surgical Management of Portal Hypertension -- The Year in Review" Penn-Jeff Interventional Radiology Research Conference. Skytop PA. June, 1995
  9. "Basic TIPS", "Complex TIPS: Clots and Confusion", "TIPS: Multicenter Outcome and Results", "Update on Vascular Angioplasty, Stents, and Atherectomy" Vascular Imaging and Interventional Radiology Symposium. University of Pennsylvania. Philadelphia PA: October, 1995
  10. "TIPS: Start to Finish", "Advanced TIPS: Encephalopathy, Portal Thromboses, and Percutaneous Portocaval shunts", "TIPS: Results and Outcome", "The Failing TIPS", "Basic TIPS Workshop", "Complex TIPS Workshop", "Liver Transplantation in the Management of Patients with Portal Hypertension, a Panel Symposium" American College of Surgeons. New Orleans LA. October, 1995
  11. "Biliary Interventions Workshop" (Refresher Course) Radiological Society of North America. Chicago IL. November, 1995
  12. "The Complex TIPS" Plenary session, Society of Cardiovascular and Interventional Radiology. Seattle WA. March, 1996
  13. "Advanced TIPS Workshop" Society of Cardiovascular and Interventional Radiology. Seattle WA. March, 1996
  14. "Introductory Biliary Workshop" Society of Cardiovascular and Interventional Radiology. Seattle WA. March, 1996
  15. "TIPS: The How-To and the What's New" Association of Vascular and Interventional Radiographers. Seattle WA. March, 1996
  16. "TIPS: Basic Techniques" "The Difficult TIPS" "TIPS: Results and Outcome" "TIPS Workshop" "TIPS How-To Workshop" (Refresher Course) Radiological Society of North America. Chicago IL. November, 1996
  17. "TIPS: Techniques and Problems" International Symposium on Vascular Diagnosis and Intervention. Miami FL. January, 1997
  18. "Hemodialysis Catheter Access and Problem Solving to Maintain It" Plenary session, Society of Cardiovascular and Interventional Radiology. Washington DC. March, 1997
  19. "Hemodialysis Catheter Access" Association of Vascular and Interventional Radiographers. Washington DC. March, 1997
  20. "The TIPS Procedure" Mercy Hospital Vascular Symposium. Nemaquin Woodlands PA. May, 1997
  21. "TIPS 1997- The year in Review" Penn-Jeff Interventional Radiology Symposium. Skytop PA. June, 1997
  22. "TIPS in 1997" Featured Speaker, New York Roentgen Society. New York NY. April, 1997
  23. Interventional Radiology and Vascular Imaging 1997: Practice Development and Practical Developments. University of Pennsylvania. Philadelphia PA. October, 1997
  24. "Covered Stent for TIPS" "Salvage Techniques for Dysfunctional Hemodialysis Catheters" "TIPS: Tricks of the Trade", "TIPS Workshop", "TIPS in 1997- What's New" Johns Hopkins Hospital. Baltimore MD. October, 1997
  25. Southeastern Angiographic Society 1997 Annual Meeting. University of Virginia Health Sciences Center. Williamsburg VA. October, 1997
  26. "Outcomes after TIPS - 1997 Update" "TIPS Hell: How to Get In and How to Get Out" "Managing Tunneled Access for Hemodialysis" "TIPS-The How-To and the What's New" Beth Israel Deaconess Medical Center. Boston MA. October, 1997

27. "TIPS: Clinical Outcomes and Basic Research" Chicago Angiography Society. Chicago IL. October, 1997
28. "TIPS: How to Succeed Where Others Have Failed" Albert Einstein College of Medicine / Montefiore Medical Center Interventional Radiology 5th Annual Symposium. New York NY. November, 1997
29. "TIPS How-To Workshop" (Refresher Course) Radiological Society of North America. Chicago IL. November, 1997
30. "Transjugular Intrahepatic Portosystemic Shunts: A Basic Research and Clinical Update" Radiology Grand Rounds, University of Wisconsin-Madison Medical School. Madison WI. January, 1998
31. "Transjugular Intrahepatic Portosystemic Shunts: State of the Art" Radiology Grand Rounds. Indiana University/ Purdue University Medical Center. Indianapolis IN. January, 1998
32. "Tough TIPS and TIPS Stent Grafts. Indianapolis Angio Club. Indianapolis IN. January, 1998
33. "Management of Biliary Strictures" Indiana University/ Purdue University Medical Center. Indianapolis IN. January, 1998
34. "TIPS" 2nd Annual Indiana University Venous Access and Hemodialysis Access Symposium. Keystone CO. February, 1998
35. "Stent Grafts in TIPS" 2nd Annual Indiana University Venous Access and Hemodialysis Access Symposium. Keystone CO. February, 1998
36. "Transjugular Intrahepatic Portosystemic Shunts: Randomized Trials and Stenosis Research" Albany Medical College. Albany NY. March, 1998
37. "Management of Biliary Strictures" Albany Medical College. Albany NY March, 1998
38. "Transjugular Intrahepatic Portosystemic Shunts: Clinical Update and Research and Clinical Update Plenary session, Society of Cardiovascular and Interventional Radiology. San Francisco CA. March, 1998
39. "Chemoembolization of Hepatic Malignancies" 41st Annual Diagnostic Radiology Postgraduate Course. University of California. San Francisco, CA. March, 1998
40. "TIPS Update" 41st Annual Diagnostic Radiology Postgraduate Course. University of California. San Francisco, CA. March, 1998
41. "Treating Complications of Liver Disease: TIPS and Biliary Stents" Financial Analysts Seminar, Society of Cardiovascular and Interventional Radiology. San Francisco CA. March, 1998
42. "The Challenging TIPS" Chesapeake Angiography Society. Suburban Hospital, Bethesda Maryland. April, 1998
43. "Placement of Central Venous Access Lines and Unusual Routes" Nemaconlin Vascular Conference. Mercy Hospital of Pittsburgh. Farmington PA. May, 1998
44. "The Current Status of TIPS" Nemaconlin Vascular Conference. Mercy Hospital of Pittsburgh. Farmington PA. May, 1998.
45. "Management of Gastrointestinal Bleeding" American College of Radiology Update Course. Chicago IL. May, 1998.
46. "The Current Status of TIPS" Nemaconlin Vascular Conference. Mercy Vascular Center. Nemaconlin Woodlands PA May, 1998.
47. "Placement of Central Venous Access Lines and Unusual Routes" Nemaconlin Vascular Conference. Mercy Vascular Center. Nemaconlin Woodlands PA May, 1998.
48. "Management of Gastrointestinal Bleeding" American College of Radiology ACR Update Course. Chicago IL. May, 1998.
49. "Dialysis Access Management" Penn Interventional Radiology Symposium. Skytop PA. June, 1998.
50. "Portal Hypertension 1998 - The Year in Review" Penn Interventional Radiology Symposium. Skytop PA. June, 1998.
51. "Transjugular Intrahepatic Portosystemic Shunts- International Experience" St. Petersburg Radiological Society. St. Petersburg Russia. June, 1998.

52. "TIPS 1998: Clinical Update" 7th Annual General Meeting. Interventional Radiology Society of Australasia. Broome Australia. June, 1998.
53. "TIPS Hell: How to Get in and How to Get Out " 7th Annual General Meeting. Interventional Radiology Society of Australasia. Broome Australia. July, 1998.
54. "Catheter Use for Hemodialysis: Placement and Management" 7th Annual General Meeting. Interventional Radiology Society of Australasia. Broome Australia. July, 1998.
55. "TIPS Workshop: Problem Solving" 7th Annual General Meeting. Interventional Radiology Society of Australasia. Broome Australia. July, 1998.
56. "Thrombus Management: Mechanical Thrombectomy, Lysis of Deep Venous Thromboses, Caval Filters" Cordis Endovascular Opinion Leaders Meeting. New Brunswick NJ. August, 1998.
57. "TIPS: Advanced Techniques and Problem Solving" Gulf Coast Interventional Radiology Society. Pensacola, FL September, 1998.
58. "TIPS: Clinical Update and Animal Research" Baptist Hospital. Pensacola, FL September, 1998.
59. "Interventional Treatment of Venous Thrombosis" Vascular Center Conference. Morristown Memorial Hospital. Morristown, NJ. October, 1998.
60. "TIPS: Prospective Randomized Trials" Fourth International Symposium on Cardiovascular and Interventional Radiology. Harvard Medical School. Boston MA. October, 1998.
61. "TIPS: Stent Grafts" Fourth International Symposium on Cardiovascular and Interventional Radiology. Harvard Medical School. Boston MA. October, 1998.
62. "TIPS: Complex Case Management" Fourth International Symposium on Cardiovascular and Interventional Radiology. Harvard Medical School. Boston MA. October, 1998.
63. "TIPS Workshop" Fourth International Symposium on Cardiovascular and Interventional Radiology. Harvard Medical School. Boston MA. October, 1998.
64. "Venous Lysis and Stenting" Fourth International Symposium on Cardiovascular and Interventional Radiology. Harvard Medical School. Boston MA. October, 1998.
65. "TIPS-Randomized Trials, Results and Controversies" Sixth Annual Interventional Radiology Vascular and Symposium, University of Pennsylvania. Puerto Rico. November, 1998
66. "TIPS Stent Grafts—What's Coming and What's Here" Sixth Annual Interventional Radiology Vascular and Symposium, University of Pennsylvania. Puerto Rico. November, 1998
67. "Catheter Access for Hemodialysis: Management and Mishaps " Sixth Annual Interventional Radiology Vascular and Symposium, University of Pennsylvania. Puerto Rico. November, 1998.
68. "Arteriovenous Access Graft Dysfunction: Background and Potential Role of Stent Grafts." U.S. Food and Drug Administration. Rockville MD. November, 1998.
69. "Transjugular Intrahepatic Shunt: How-To Workshop." (Refresher Course) Radiological Society of North America. Chicago IL. November, 1998.
70. "Transjugular Intrahepatic Shunt" Categorical Course in Diagnostic Radiology: Vascular Imaging-Venous Intervention. (Refresher Course) Radiological Society of North America. Chicago IL. December, 1998.
71. "TIPS in 1999: Clinical Trials and Laboratory Research. John Hopkins Hospital. Baltimore MD. January, 1999.
72. "Liver Directed Gene Therapy" International Symposium on Endovascular Therapy. Miami Cardiac and Vascular Institute. Miami FL. January, 1999.
73. "TIPS: Randomized Trials and State of the Art" International Symposium on Endovascular Therapy. Miami Cardiac and Vascular Institute. Miami FL. January, 1999.
74. "TIPS Workshop" International Symposium on Endovascular Therapy. Miami Cardiac and Vascular Institute. Miami FL. January, 1999.
75. "Hemodialysis Catheter Access: Management and Mishaps" International Symposium on Endovascular Therapy. Miami Cardiac and Vascular Institute. Miami FL. January, 1999.
76. "TIPS for Treatment of Variceal Bleeding"3rd Annual Indiana University Venous Access and Hemodialysis Access Symposium. Keystone CO. February, 1999.

77. "Advanced Internet Workshop" Society of Cardiovascular and Interventional Radiology. Orlando FL. March, 1999.
78. Featured commentator on: "A New Percutaneous Technique For The Induction Of Surrogate Tolerogenesis In A Pig To Sheep Xenograft Model." Society of Cardiovascular and Interventional Radiology. Orlando FL. March, 1999.
79. "Transjugular Intrahepatic Shunts- Current Status and Future Directions" Blue Ribbon Speaker, Philadelphia Roentgen Ray Society. Philadelphia College of Physicians. Philadelphia PA. April, 1999.
80. "Catheter-Directed Therapy of Deep Venous Thrombosis" Management of Deep Vein Thrombosis: A State of the Art Interdisciplinary Approach. Penn-VEIN (Venous & Embolic Intervention Network). Philadelphia PA. April, 1999.
81. "Transjugular Intrahepatic Portosystemic Shunts: Indications and Technique" Instructional Course. American Roentgen Ray Society Annual Meeting. New Orleans LA. May, 1999.
82. "TIPS: Can Patency be Improved?" Sixth Annual Penn Conference & Retreat on Interventional Radiology. Wye River Conference Center. Wye River MD. May, 1999.
83. "Venous Thromboembolic Disease and Venous Obstruction" Sixth Annual Penn Conference & Retreat on Interventional Radiology. Wye River Conference Center. Wye River, MD. May, 1999.
84. "Percutaneous Management of Deep Venous Thrombosis" Hilton Head Vascular Conference. Mercy Vascular Center. Hilton Head SC. June, 1999.
85. "Placement of Central Venous Access Lines and Unusual Access Routes" Hilton Head Vascular Conference. Mercy Vascular Center. Hilton Head SC. June, 1999.
86. "Multidisciplinary Management of Portal Hypertension" 24th Annual Texas Program. American College of Gastroenterology. Houston TX. September, 1999.
87. "TIPS Hell: Managing Tough Situations" Houston Interventional Radiology Angiography Society. Houston TX September, 1999.
88. "Practical Training in Interventional Radiology" University of Texas, M.D. Anderson Cancer Center, Interventional Radiology Research Laboratory. Houston TX. October, 1999.
89. "TIPS Stent-Grafts: The Answer to Shunt Patency?" 7th Annual Symposium on Current Issues and New Techniques in Interventional Radiology. Albert Einstein College of Medicine. New York NY. November, 1999.
90. "TIPS Workshop" 7th Annual Symposium on Current Issues and New Techniques in Interventional Radiology. Albert Einstein College of Medicine. New York NY. November, 1999.
91. "Aortic Stent-Graft Workshop" 7th Annual Symposium on Current Issues and New Techniques in Interventional Radiology. Albert Einstein College of Medicine. New York NY. November, 1999.
92. "Transjugular Intrahepatic Portosystemic Shunts: From Patient Selection to Shunt Surveillance" Radiological Society of North America Refresher Course. Chicago IL. November, 1999.
93. "Advances in Technology: Arterial Closure Devices" New York Vascular Society and Angiography and Interventional Radiology Club. New York, NY February, 2000.
94. "Management of Catheter Related Venous Stenoses." 4th Annual Hemodialysis and Venous Intervention Symposium. Indiana University School of Medicine. Keystone CO. February, 2000.
95. "Endovascular Therapy of Deep Venous Thrombosis." 4th Annual Hemodialysis and Venous Intervention Symposium. Indiana University School of Medicine. Keystone CO. February, 2000.
96. "TIPS for Bleeding Varices." 4th Annual Hemodialysis and Venous Intervention Symposium. Indiana University School of Medicine. Keystone CO. February, 2000.
97. "SCVIR Film Panel" Society of Cardiovascular and Interventional Radiology. Plenary Session. San Diego, CA. March, 2000.

98. "Will Stent Grafts Prolong TIPS Patency" Society of Cardiovascular and Interventional Radiology. Plenary Session. San Diego, CA. March, 2000.
99. "TIPS: Clinical Update and Future Directions" Association of Vascular and Interventional Radiographer. San Diego, CA. March, 2000.
100. "Human Gene Therapy 2000" Symposium on Gene Therapy and Local Drug Delivery: Imaging and Intervention. Society of Cardiovascular and Interventional Radiology. San Diego, CA. March, 2000.
101. "Mechanical Thrombectomy of Dialysis Access Grafts" Symposium on Novel Approaches to the Pharmacologic Management of Peripheral Arterial Occlusive Disease: Clinical Experiences with Next-Generation Thrombolytics and Platelet GPIIb/IIIa Receptor Inhibitors Thrombolytic Therapies and GP IIB/IIIa Agents" New York, NY. April, 2000.
102. "Transjugular Intrahepatic Portosystemic Shunts: Randomized Trials and Stent Graft Research" Radiology Grand Rounds. St-Luke's Roosevelt Hospital. New York, NY. April, 2000.
103. "Endovascular Management of Deep Venous Thrombosis. Mechanical Devices and Catheter-Directed Therapies" Mid-America Interventional Radiology Society 20th Semiannual Meeting. Kansas City, MO. April, 2000.
104. "The Difficult TIPS. Managing Misadventures and Prolonging Shunt Patency" Mid-America Interventional Radiology Society 20th Semiannual Meeting. Kansas City, MO. April, 2000
105. "Vascular Gene Therapy" Mid-America Interventional Radiology Society 20th Semiannual Meeting. Kansas City, MO. April, 2000.
106. "TIPS: New Applications and Clinical Trials" Radiology Technologist Credit Course. St-Luke's Roosevelt Hospital. New York, NY. April, 2000.
107. "Catheter Directed Interventions for Lower Extremity Deep Venous Thrombosis" University of Virginia Department of Radiology Grand Rounds. Charlottesville VA. April, 2000.
108. "Gene Therapy: Introduction and Treatment of Inherited Metabolic Disorders" University of Virginia Department of Radiology Grand Rounds. Charlottesville VA. April, 2000.
109. "Transjugular Intrahepatic Portosystemic Shunts: Clinical Update and Future Directions" University of Virginia Department of Radiology Grand Rounds. Charlottesville VA. April, 2000
110. "Transcatheter Management of Deep Venous Thrombosis" Mercy Vascular Center Annual Symposium. Nemaconlin Woodlands PA. May, 2000.
111. "Carotid Endarterectomy vs. Carotid Artery Stent Placement in the High Risk Patient." Mercy Vascular Center Annual Symposium. Nemaconlin Woodlands PA. May, 2000.
112. "TIPS, Budd-Chiari Syndrome, and Stent Grafts" Englewood Surgical Society. Englewood NJ. May, 2000.
113. "Transjugular Intrahepatic Portosystemic Shunts: Clinical Update and Stent Grafts" Radiology Grand Rounds. Albert Einstein School of Medicine. Philadelphia PA. October, 2000
114. "What's New in Aortoiliac Interventions?" Stanford Vascular Symposium: Frontiers in Vascular Disease. Pebble Beach, California. October, 2000
115. "My Worst Nightmare- An Opportunity to Learn" Stanford Vascular Symposium: Frontiers in Vascular Disease. Pebble Beach, California. October, 2000
116. "TIPS Hell—and the Covered Road Back" New England Society for Cardiovascular and Interventional Radiology, Boston MA November, 2000
117. "TIPS – State of the Art" 5th International Symposium on Vascular and Interventional Radiology. Harvard Medical School. Boston MA. November, 2000
118. "TIPS for Ascites: Results and Technical Points" Albert Einstein College of Medicine / Montefiore Medical Center Interventional Radiology 8th Annual Symposium. New York NY. November, 2000
119. "Clinical Results and Utilization of the VIATORR TIPS Endoprosthesis" W.L. Gore Educational Forum. Albert Einstein College of Medicine / Montefiore Medical Center Interventional Radiology 8th Annual Symposium. New York NY November, 2000
120. "Vascular Gene Therapy" New York Roentgen Ray Society. New York. November, 2000

121. "Transjugular Intrahepatic Portosystemic Shunts: From Patient Selection to Shunt Surveillance" Radiological Society of North America Refresher Course. Chicago IL. November, 2000
122. "Management of Catheter-Related Stenosis" 5th Annual Hemodialysis and Venous Intervention Symposium. Indiana University School of Medicine. Keystone CO. February, 2001
123. "TIPS: Clinical Applications and New Developments" Gastrointestinal Grand Rounds. Cornell-Weill College of Medicine, New York Hospital New York NY. February, 2001
124. "Approaching the Difficult TIPS- Tricks and Grafts" Chesapeake Angiography Society. Bethesda MD. February, 2001
125. "Cancer Gene Therapy" Categorical Course. Society of Cardiovascular and Interventional Radiology. San Antonio, TX. March, 2001
126. "Catheter-Directed Therapy of Deep Venous Thrombosis" Keynote Speaker, Pharmedica Communications. Pittsburgh, PA. April, 2001
127. "The Treatment of Deep Venous Thrombosis: Inpatient and Outpatient" Hot Topics in Cardiac and Vascular Care. Mercy Hospital of Pittsburgh. Nemacon Woodlands, Farmington PA. April, 2001
128. "Regional Therapies of Hepatic Malignancy: Chemoembolization and Radiofrequency Ablation" Hot Topics in Cardiac and Vascular Care. Mercy Hospital of Pittsburgh. Nemacon Woodlands, Farmington PA. April, 2001
129. "Catheter Directed Therapy of Deep Venous Thrombosis" Pharmedica Communications. Hartford, CT. May, 2001
130. "TIPS Stent Grafts—Results and what they mean to your practice" Extreme Interventional Radiology 2001. Columbia College of Physicians and Surgeons. Jackson, WY. June, 2001
131. "Arterial Closure Devices" Extreme Interventional Radiology 2001. Columbia College of Physicians and Surgeons. Jackson, WY. June, 2001
132. "TIPS for Ascites: New Data" Extreme Interventional Radiology 2001. Columbia College of Physicians and Surgeons. Jackson, WY. June, 2001
133. "Transjugular Intrahepatic Portosystemic Shunts: What They Mean to Patients with Portal Hypertension" University of Florida School of Medicine. Gainesville FL. August, 2001
134. "Interventional Radiology" New York General Surgery Board Review. Columbia University College of Physicians and Surgeons. New York, NY September, 2001
135. "TIPS: Results Using a Novel ePTFE Stent-Graft" 9th Annual Advanced Interventional Management Symposium. Albert Einstein Medical School. New York, NY. November, 2001
136. "Catheter Directed Therapy of Deep Venous Thrombosis" 6th Annual Hemodialysis and Venous Intervention Symposium. Indiana University School of Medicine. Keystone CO. February, 2002
137. "Lytic Agents" 6th Annual Hemodialysis and Venous Intervention Symposium. Indiana University School of Medicine. Keystone CO. February, 2002
138. "Stent Grafts for Hemodialysis Access Grafts" 6th Annual Hemodialysis and Venous Intervention Symposium. Indiana University School of Medicine. Keystone CO. February, 2002
139. "Vignettes On Video: TIPS On TIPS" Plenary lecture. Society of Cardiovascular and Interventional Radiology. Baltimore MD March, 2002
140. "Endovascular Management of Venous Disease: Buzz and Lyses" Society of Cardiovascular and Interventional Radiology. Baltimore MD. March 2002
141. "Mechanical Thrombectomy Devices for Treatment of Peripheral Vascular Occlusive Disease" Urokinase Roundtable Symposium. Baltimore MD. March 2002
142. "Mechanical Thrombectomy for Treatment of Peripheral Arterial Occlusive Disease" Practical Training in Vascular Interventions. University of Michigan. Ann Arbor MI. May, 2002
143. "Closures Devices: Mechanisms and Results" Practical Training in Vascular Interventions. University of Michigan. Ann Arbor MI. May, 2002

144. "The Role of Stent Grafts in Hemodialysis Shunt Salvage" Current and Emerging Endovascular Therapies. Washington Hospital Center/ Cardiovascular Research Institute. Washington DC. May, 2002
145. "Angiographic Diagnosis and Treatment of Gastrointestinal Hemorrhage." Long Island Jewish Medical Center. New Hyde Park, NY. May, 2002
146. "Transjugular Intrahepatic Portosystemic Shunts: Results and Research." Radiology Grand Rounds. Long Island Jewish Medical Center. New Hyde Park, NY. May, 2002
147. "Rationale for Single Bolus Therapy of Deep Vein Thrombosis" Genentech Investigator Sponsored Trial Program. Scottsdale, Arizona. October, 2002
148. "Mechanical Thrombectomy Devices for Treatment of Peripheral Arterial Occlusive Disease" Advanced Interventional Management Symposium. Albert Einstein College of Medicine. New York, New York November, 2002
141. "Transjugular Intrahepatic Portosystemic Shunts: From Patient Selection to Shunt Surveillance" Radiological Society of North America Refresher Course. Chicago IL. December 2002
149. "TIPS: New Developments, Results, and Evolution" Tampa Angio Club, University of South Florida. Tampa FL. December, 2002
150. "Mechanical Thrombectomy Devices for Treatment of Peripheral Vascular Occlusion." Clinical Role of Thrombolytic Agents. AbComm. Carefree, AZ February, 2003
151. "Pelvic Congestion Syndrome and Uterine Fibroid Embolization: State of the Art" New York Obstetrical Society. New York, NY. February, 2003
152. "Ultrasonic Thrombolysis and Thrombectomy" Cutting Edge Research Symposium. Society of Interventional Radiology. Salt Lake City UT. March, 2003
153. "Biliary Complications of Liver Transplantation" IR for Transplantation Symposium. Society of Interventional Radiology. Salt Lake City UT. March 2003
154. "Catheter-Directed Therapy for Deep Vein Thrombosis: 10 Questions to be Asked and Answered" American Radiological Nurses North America. Society of Interventional Radiology. Salt Lake City UT. March 2003
155. "SIR Film Interpretation Panel" Panelist. Society of Interventional Radiology. Salt Lake City UT. March 2003
156. "Percutaneous Treatment of the Failing Graft: Stent Graft Placement" End Stage Renal Disease- The Keystone Conference: Bridging Scholarship and Care. Society of Interventional Radiology. Orlando FL. May, 2003
157. "Lytic Agents – tPA, rPA, etc. What Difference Does It Make?" End Stage Renal Disease- The Keystone Conference: Bridging Scholarship and Care. Society of Interventional Radiology. Orlando FL. May, 2003
158. "Catheter-Related Infection: Plan B" End Stage Renal Disease- The Keystone Conference: Bridging Scholarship and Care. Society of Interventional Radiology. Orlando FL. May, 2003
159. "The Role of Interventional Radiology in Treatment of Biliary Complications of Liver Transplantation" Digestive Disease Week. Orlando FL. May, 2003
160. "Mechanical Thrombectomy and Lysis of Deep Vein Thrombosis" Genentech Interventional Radiology Advisory Meeting. Hollywood FL. June, 2003
161. "Mechanical Thrombectomy of Deep Vein Thrombosis: Device and Clinical Challenges" Possis Medical, Inc. Minneapolis MN. July, 2003
162. "Catheter Directed Therapy of Deep Vein Thrombosis" Food and Drug Administration. Rockville MD September, 2003
163. "Catheter Directed Therapy of Deep Vein Thrombosis: Rationale and New Techniques." American Heart Association Annual Meeting. Orlando FL. November, 2003
164. "TIPS with a Viatorr Covered Stent." Advanced Interventional Management: 11th Annual Symposium. Albert Einstein College of Medicine. New York, NY. November, 2003
165. "Tricks for TIPS Using the Viatorr Endoprosthesis." Advanced Interventional Management: 11th Annual Symposium. Albert Einstein College of Medicine. New York, NY. November, 2003

166. "Vascular Interventions/ Interventional Radiology" Case Based Review Refresher Course. Radiological Society of North America. Chicago IL. December, 2003
167. "PAD Care: From Evidence Base to Clinical Care Standards. Lower Extremity Revascularization" American College of Cardiology. Annual Scientific Meeting. New Orleans LA. March, 2004
168. "TIPS and Stent Grafts" Association of Radiological Nurses of North America (ARNA), Association of Vascular and Interventional Radiographers (AVIR) Annual Meeting. Phoenix AZ. March, 2004
169. "TIPS Should Be Done With Covered Stents" Society of Interventional Radiology (SIR) Annual Meeting. Phoenix AZ.
170. "Lessons Learned: Transjugular Intrahepatic Portosystemic Shunts" Categorical Course. Society of Interventional Radiology (SIR) Annual Meeting. Phoenix AZ. March, 2004
171. "Interventions in Massive Pulmonary Embolism" Satellite Symposium. Dine Around Phoenix. Phoenix AZ. March, 2004
172. "Update on TIPS and Stent Grafts" Satellite Symposium. Phoenix AZ. "Use of Covered Stent in TIPS: Results from the US Multicenter Trial" University of Nebraska Angio Club. Omaha NE. April 2004.
173. "Catheter Innovations" End-Stage Renal Disease: The Keystone Conference: Bridging Scholarship & Care. Society of Interventional Radiology. Kiawah Island, SC. July, 2004
174. "Catheter Thrombosis: Big and Small" End-Stage Renal Disease: The Keystone Conference: Bridging Scholarship & Care. Society of Interventional Radiology. Kiawah Island, SC. July, 2004
175. "Stent Grafts for Preservation of Dialysis Access" End-Stage Renal Disease: The Keystone Conference: Bridging Scholarship & Care. Society of Interventional Radiology. Kiawah Island. July, 2004
176. "The Dysfunctional Fistula" End-Stage Renal Disease: The Keystone Conference: Bridging Scholarship & Care. Society of Interventional Radiology. Kiawah Island. July, 2004
177. "The State of TIPS in 2004: Stent Grafts and the U.S. Viatorr Trial" University of Minnesota, Angio Club. Minneapolis, MN. August, 2004
178. "The Use of a Dedicated Stent Graft for TIPS" 12th Annual Symposium. Advanced Interventional Management (AIM). Albert Einstein College of Medicine. New York, NY. November, 2004
179. "Randomized Trial of a PTFE Stent Graft for Hemodialysis Access Grafts." 12th Annual Symposium. Advanced Interventional Management. Medicine. New York, NY. November, 2004
180. "Challenging TIPS" AIM/VEITH Gore Symposium. New York, NY. November, 2004
181. "DVT Cases" Medicine. 12th Annual Symposium. Advanced Interventional Management. Medicine. New York, NY. November, 2004
182. "Case Based Review: Vascular Intervention" Refresher Course. Radiological Society of North America. Special Focus Session. Chicago, IL. November, 2004
183. "Cataract In Interventional Radiology An Occupational Hazard?" Best of the Best Invited Papers from the Society of Interventional Radiology Annual Meeting. Radiological Society of North America. Chicago, IL. December, 2004
184. "TIPS and Stent Grafts" New England Society for Interventional Radiology. Boston MA. December, 2004
185. "Transjugular Intrahepatic Portosystemic Shunts" Second Annual Gore Fellows Educational Symposium. Miami FL. January, 2005
186. "Dialysis Graft Interventions and Stent Grafts" Bard Peripheral Vascular National Sales Meeting. Phoenix AZ. January, 2005
187. "ADVENTT DVT Trial" PowerPulse Symposium. Napa CA February, 2005
188. "Catheter Directed Interventions for Massive Pulmonary Embolism" Dotter Institute Interventional/Neurointerventional Conference. Park City UT. February, 2005

189. "Biliary intervention in liver transplant patients" Dotter Institute Interventional/Neurointerventional Conference. Park City UT. March, 2005
190. "TIPS or DIPS" Dotter Institute Interventional/Neurointerventional Conference. Park City UT. March, 2005
191. "Dialysis grafts/AV fistula: Stent Grafts" Dotter Institute Interventional/Neurointerventional Conference. Park City UT. March, 2005
192. "Case Based Review: Vascular Intervention" Society of Interventional Radiology Annual Meeting. New Orleans, LA. April, 2005
193. "Dialysis Stent Grafts: The Randomized Trial" Society of Interventional Radiology Annual Meeting. New Orleans, LA. April, 2005
194. "ADVENTT Trial: New Options for DVT" Patients" Satellite Symposium. Society of Interventional Radiology Annual Meeting. New Orleans, LA. April, 2005
195. "Results of U.S. Multicenter Randomized Trial of the Bard ePTFE Dialysis Access Stent Graft. Hemodialysis Access Management Symposium. VIVA. Las Vegas. September, 2005
196. "Treatment of Portal Hypertension in Liver Cancer. 2nd Annual Image Guided Tumor Therapy Symposium. Columbia University College of Physicians and Surgeons October, 2005
197. "Advances in Treatment of Failing Hemodialysis Access Grafts" Jackson, Angio Club. Jackson Mississippi. November, 2005
198. "Covered Stents for TIPS: Is It Truly Better?" Advanced Interventional Management Symposium. Albert Einstein School of Medicine. NY, NY November, 2005
199. "Covered Stents for Preserving Dialysis Access: U.S. Trial Results." Advanced Interventional Management Symposium. Albert Einstein School of Medicine. NY, NY November, 2005
200. "TIPS Workshop" Advanced Interventional Management Symposium. Albert Einstein School of Medicine. NY, NY November, 2005
201. "Results of the US Randomized Trial on Covered Stents vs. PTA for Hemodialysis Access Grafts." VEITH Symposium. New York, NY, 2005
202. "Advances in Hemodialysis Access" Minneapolis Angio Club. Minneapolis MN "Update on Techniques for Preserving Hemodialysis Access" Mayo Clinic. Rochester, MN December, 2005
203. "Advanced Techniques in Prosthetic AV Access Preservation" Richmond Interventional Radiology Society. Richmond VA January, 2006
204. "Transjugular Intrahepatic Portosystemic Shunts." WL Gore Fellows Program. Miami FL January, 2006
205. "Management of Portal Hypertension in Patients with Liver Cancer" 3rd Annual Image Guided Tumor Therapy Symposium. Columbia University College of Physicians and Surgeons February, 2006
206. "Highlights From ACC/AHA Guidelines for Treatment of Peripheral and Renal Arterial Disease" 2nd Dotter Institute Interventional/Neurointerventional Conference. Park City UT. February, 2006
207. "Top tips for TIPS: Lessons learned from the last decade" 2nd Dotter Institute Interventional/Neurointerventional Conference. Park City UT. February, 2006
208. "Morbidity and Mortality Conference" 2nd Dotter Institute Interventional/Neurointerventional Conference. Park City UT February, 2006
209. "Dialysis Access Interventions: The Evidence and the Promise" Department of Radiology, University of Wisconsin, Madison, WI. June, 2006
210. "A Myriad of Tips on TIPS" TIPS Procedure: Improved Outcomes Through Improved Solutions. Webcast ([www.naccme.com/webcasts/186\\_index.cfm](http://www.naccme.com/webcasts/186_index.cfm)). August, 2006
211. "Morbidity and Mortality in IR." Global Endovascular Conference. Neuroconferences. Jackson, WY. August, 2006
212. "The Developing Role of Interventional Radiology in the Endovascular Arena" WL Gore and Associates. Flagstaff, AZ. August, 2006

213. "Management of Patients with Acute and Chronic Portal Vein Thrombosis." 14th Annual Advanced Interventional Management Symposium. Cleveland Clinic Foundation. New York, NY. November, 2006
214. "Management of Peripheral Venous Stenoses: High Pressure Balloons, Cutting Balloons, Stents or Stent-Grafts?" 14th Annual Advanced Interventional Management Symposium. Cleveland Clinic Foundation. New York, NY. November, 2006
215. "Radiation Protection: What You the Interventional Radiologist Needs to Know." 3rd Dotter Institute Interventional & Neurointerventional Park City Conference Oregon Health Sciences University. Park City, UT. January, 2007
216. "Dialysis Access Preservation: What Works and What Does Not." 3rd Dotter Institute Interventional & Neurointerventional Park City Conference Oregon Health Sciences University. Park City, UT. January, 2007
217. "Morbidity and Mortality Session." 3rd Dotter Institute Interventional & Neurointerventional Park City Conference Oregon Health Sciences University. Park City, UT. January, 2007
218. "TIPS: State of the Art." Radiology Grand Rounds. Boston University Medical School. Boston, MA. February, 2007
219. "Catheter Directed Therapy of DVT." Department of Radiology. Boston University Medical School. Boston, MA. February, 2007
220. "Cosmetic IR." Society of Interventional Radiology Annual Meeting. Seattle, WA. February, 2007
221. "Dialysis Stent Grafts: Holy Grail or Wholly Overused." Plenary lecture. Society of Interventional Radiology Annual Meeting. Seattle, Washington. February, 2007
222. "Biliary Interventions in Liver Transplant Patients." Society of Interventional Radiology Annual Meeting. Seattle, WA. March, 2007
223. "Managing Hepatic Encephalopathy." Society of Interventional Radiology Annual Meeting. Seattle, WA. March, 2007
224. "The U.S. Multicenter Randomized Trial for Use of Hemodialysis Access Stent Grafts" Sonoran Summit on Hemodialysis Access. Tempe AZ. March, 2007
225. "Fibroid Expulsion after UFE" Morbidity and Mortality Conference. Jackson Hole, WY. August 2007
226. "Delayed Venous Stent Migration" Morbidity and Mortality Conference. Jackson Hole, WY August 2007
227. "TIPS: State of the Art" Department of Radiology. University of Arkansas. Little Rock, Arkansas. September 2007
228. "Tips on TIPS: Mundane and Complex" Mid-America Society of Interventional Radiology (MIRS) Annual Meeting. Ridgedale Missouri. September 2007
229. "Prolonging AV Access for Hemodialysis" Mid-America Society of Interventional Radiology (MIRS) Annual Meeting. Ridgedale Missouri. September 2007
230. "Peripheral Arterial Disease -- A Primer" Mid-America Society of Interventional Radiology (MIRS) Annual Meeting. Ridgedale Missouri. September 2007
231. "Essentials of Radiology: Interventional Radiology" Radiological Society of North America Annual Meeting. Speaker and Refresher Course Organizer. Chicago IL. November 2007
232. "Management of Portal Splenic and Mesenteric Vein Thrombosis" International Symposium on Endovascular Therapy, Hollywood FL January 2008
233. "Portal Vein Embolization: How and When to Do it and Why" International Symposium on Endovascular Therapy. Hollywood FL January 2008
234. "Transjugular Intrahepatic Portosystemic Shunt" IR Fellows Symposium. Hollywood FL. January 2008
235. "New Developments in Portal Hypertension" (plenary lecture). Society of Interventional Radiology Annual Meeting. Washington D.C. March 2008
236. "Natural History of Peripheral Arterial Disease:" (plenary lecture). Society of Interventional Radiology Annual Meeting. Washington D.C. March 2008

237. "Transjugular Intrahepatic Portosystemic Shunts" Morbidity and Mortality Symposium. (plenary lecture). Society of Interventional Radiology Annual Meeting. Washington D.C. March 2008
238. "Temporary Embolization Agents". Society of Interventional Radiology Annual Meeting. Washington D.C. March 2008.
239. "Portal Hypertension Interventions Workshop" Society of Interventional Radiology Annual Meeting. Washington D.C. March 2008.
240. "Techniques, Tools, and Problem Solving for the Most Challenging TIPS Cases" Satellite Symposium. Society of Interventional Radiology. Annual Meeting. Washington D.C. March 2008.
241. "Advanced Therapy of Portal Hypertension". International Perspectives on Hepatic, Pancreatic, and Biliary Surgery Symposium. Columbia University College of Physicians and Surgeons. New York NY. May 2008.
242. "Dialysis Access Preservation Challenges: Fact and Fiction" Birmingham Interventional Society. Birmingham AL. October 2008.
243. "Results of The FLAIR Randomized Trial for Prolongation of Dialysis Access" Kansas City Interventional Society. Kansas City MO. November 2008.
244. "Cosmetic Interventions: Why the Vascular Surgeon Should Become Involved" VEITH Symposium. Cleveland Clinic School of Medicine. New York NY. November 2008.
245. "Master's Showcase: Ablation" Symposium on Clinical Interventional Oncology/ International Symposium on Endovascular Therapy. Hollywood FL. January 2009.
246. "Use of Thrombolytics" International Symposium on Endovascular Therapy. Hollywood FL. January 2009.
247. "Renal Stent Revision" Morbidity and Mortality Session. International Symposium on Endovascular Therapy. Hollywood FL. January 2009.
248. "Covered Stents for Restenosis: What are the Results?" International Symposium on Endovascular Therapy. Hollywood FL. January 2009.
249. "Consensus Statement: Panel Discussions Involving All Disciplines to Achieve Consensus on the Preferred Strategy for Treatment of HCC" Symposium on Clinical Interventional Oncology/ International Symposium on Endovascular Therapy. Hollywood FL. January 2009.
250. "Pearls in Portal Hypertension and TIPS" Workshop. Society of Interventional Radiology Annual Meeting. San Diego 2009.
251. "TIPS Bleeding" Morbidity and Mortality Symposium. Society of Interventional Radiology Annual Meeting. San Diego 2009.
252. "Interventional Radiology Jeopardy" SIR Film Panel Plenary. Society of Interventional Radiology Annual Meeting. San Diego 2009.
253. "FLAIR Trial Results" Barrows Neurological Institute, Phoenix AZ. June 2009.
254. "Complex Embolics: Everything Else" Terumo Advanced Embolics Symposium. Orange County CA. October 2009.
255. "Use of Covered Stents for Dialysis Grafts: The U.S. Trial" Memphis TN. November 2009.
256. "Results of the FLAIR Dialysis Stent Graft Trial" Buffalo NY Angio Club. November 2009.
257. "Why and How To Narrow a TIPS" 18<sup>th</sup> Annual Advanced Interventional Management Symposium. Cleveland Clinic Heart and Vascular Institute. New York NY. November 2009.
258. "Percutaneous Management Of Post Liver Transplant Complications" 18<sup>th</sup> Annual Advanced Interventional Management Symposium. Cleveland Clinic Heart and Vascular Institute. New York NY. November 2009.
259. "Master Showcase: Embolic Particles" Clinical Interventional Oncology (CIO). International Symposium on Endovascular Therapy. Hollywood FL. January 2010
260. "Catheter Directed Therapy of Deep Vein Thrombosis: It's About the Leg" Philadelphia Roentgen Ray Society. College of Physicians. Philadelphia PA. February 2010.
261. "What's New in TIPS in 2010" Interventional and Neurointerventional Radiology Symposium. Oregon Health Sciences University. Park City Utah. February 2010.

262. "Accessory Renal Artery Trauma" Morbidity and Mortality Session. Interventional and Neurointerventional Radiology Symposium. Oregon Health Sciences University. Park City UT. February 2010.
263. "Embolization of Visceral Aneurysms" EmboPhoenix 2010. XXIII International Congress on Endovascular Therapy (ISES). Arizona Heart Institute. Phoenix, AZ. February 2010.
264. "Temporary Embolic Agents" EmboPhoenix 2010. XXIII International Congress on Endovascular Therapy (ISES). Arizona Heart Institute. Phoenix, AZ. February 2010.
265. "Non-Detachable Coils" EmboPhoenix 2010. XXIII International Congress on Endovascular Therapy (ISES). Arizona Heart Institute. Phoenix, AZ. February 2010.
266. "Catheter Directed Treatment of Lower Extremity DVT and Venous Thromboembolic Disease" Columbia University College of Physicians and Surgeons, Department of Radiology Grand Rounds. March 2010.
267. "Portal Hypertension and TIPS: State of the Art" Columbia University College of Physicians and Surgeons, Department of Radiology Grand Rounds. New York NY. March 2010.
268. "Resident Case Review: Vascular and Interventional Radiology" Columbia University College of Physicians and Surgeons, Department of Radiology. New York NY. March 2010.
269. "Interventions in Portal Hypertension" Society of Interventional Radiology Annual Meeting. Tampa FL. March 2010.
270. "The NEJM Trial: Results of the FLAIR Stent Graft for Dialysis Access Graft Failure" Velocity Broadcasting KQED Studios. Pittsburgh PA (nationwide broadcast to >850 attendees in 25 locations), April 2010.
271. "Coils, Plugs, and Embolic Simulators MasterClass" Global Embolization Symposium and Technologies. San Francisco. May 2010
272. "Embolitic Particle Microscopy MasterClass" Global Embolization Symposium and Technologies. San Francisco. May 2010
273. "TIPS vs. BRTO: Debate" Global Embolization Symposium and Technologies. San Francisco, CA. May 2010
274. "Treatment of Massive Pulmonary Embolism." Global Conference on Complications. Jackson Hole, Wyoming. August 2010.
275. "Simulation of Interventional Dialysis Access" Controversies in Dialysis Access (CIDA). San Francisco, CA. October 2010.
276. "Covered Stents for Access Intervention: From Here to Where?" Controversies in Dialysis Access (CIDA). San Francisco, CA. October 2010.
277. "Interventional Radiology Team: It's Access Academic!" Controversies in Dialysis Access (CIDA). San Francisco, CA. October 2010.
278. "PTA with covered stent as primary treatment if anatomy permits" Controversies in Dialysis Access (CIDA). San Francisco, CA. October 2010.
279. "Techniques and Cautionary Notes: CCSVI Interventions" Society of Interventional Radiology Multiple Sclerosis Research Consensus Panel. Fairfax, VA. November 2010.
280. "TIPS Technical Advances and Level 1 Evidence" Radiology Grand Rounds. Massachusetts General Hospital. Boston, MA. December 2010
281. "TIPS Technical Advances and Level 1 Evidence" Radiology Grand Rounds. Brigham and Women's Hospital. Boston, MA. December 2010
282. "Venographic Evaluation of MS patients and CCSVI" International Symposium on Endovascular Therapy. Miami FL January 2011
283. "Follow up Evaluation of MS Patients" International Symposium on Endovascular Therapy. Miami FL January 2011
284. "Single Session Management of Extensive Deep Vein Thrombosis: Coffee with the Experts" International Symposium on Endovascular Therapy. Miami FL January 2011
285. "Complications of Inferior Vena Cava Filters" International Symposium on Endovascular Therapy. Miami FL January 2011
286. "Early TIPS for Treatment of Refractory Ascites: Longer Life?" International Symposium on Endovascular Therapy. Miami FL January 2011

287. "The New JVIR: Editor's Message" Society of Interventional Radiology Annual Meeting. Chicago IL. March 2011.
288. "Future Directions in CCSVI Research" Society of Interventional Radiology Annual Meeting. Chicago IL. March 2011.
289. "TIPS: Is Earlier Intervention Warranted? A Fresh Look at the Data" Society of Interventional Radiology Annual Meeting. Chicago IL. March 2011.
290. "Lessons Learned: AV Graft Venous Anastomotic Stenosis - PTA or Covered Stent?" Society of Interventional Radiology Annual Meeting. Chicago IL. March 2011.
291. "Stent Grafts in Central Veins" Controversies in Dialysis Access (CIDA). Washington D.C. November 2011.
292. "Update on the Use of Stent Grafts in Access Anastomoses" Controversies in Dialysis Access (CIDA). Washington D.C. November 2011.
293. "Film Interpretation Panel/ Jeopardy" Controversies in Dialysis Access (CIDA). Washington D.C. November 2011.
294. "Transjugular Intrahepatic Portosystemic Shunts" Meet-the-Professor Luncheon. American Association for the Study of Liver Disease. "The Liver Meeting" San Francisco. November 2011.
295. "The Use Of Venous Stenting For Subacute And Chronic Proximal Venous Obstruction" VEITH Meeting. Cleveland Clinic Foundation. New York, New York. November 2011.
296. "Early TIPS Procedure with A Viatorr Stent-Graft Is Effective Treatment For Portal Hypertension With Symptomatic Ascites" VEITH Meeting. Cleveland Clinic Foundation. New York, New York. November 2011.
297. "Early TIPS for Ascites: Does It Really Make A Difference?" Advanced Interventional Symposium. Cleveland Clinic Foundation. New York, New York. November 2011.
298. "BRTO and TIPS Workshop." Advanced Interventional Symposium. Cleveland Clinic Foundation. New York, New York. November 2011.
299. "Tumor Board for CRC Mets." Clinical Interventional Oncology. Miami FL. January 2012.
300. "Treatment of CRC Liver Mets: A Critical Look at the Data Thus Far" Clinical Interventional Oncology. Miami FL. January 2012.
301. "Oily TACE is Not Dead (Debate)" Clinical Interventional Oncology. Miami FL. January 2012.
302. "Video Case Discussion of Ablation Techniques" Clinical Interventional Oncology. Miami FL. January 2012.
303. "Year in Review: The Most Important IO Papers to Come Out This Year" Clinical Interventional Oncology. Miami FL. January 2012.
304. "Vascular Malformations" International Symposium on Endovascular Therapy. Miami FL. January 2012.
305. "Anatomic Challenges" International Symposium on Endovascular Therapy. Miami FL. January 2012.
306. "Current Devices to Accelerate Clot Removal and Lysis" International Symposium on Endovascular Therapy. Miami FL. January 2012.
307. "Central Vein Stenosis: A Lesion Specific Approach" International Symposium on Endovascular Therapy. Miami FL. January 2012.
308. "Clinical manifestations of acute and chronic venous obstruction in superior vena cava syndrome" International Society for Neurovascular Disease. 2nd Annual ISNVD Scientific Meeting. Orlando, Florida. February 2012.
309. "Extreme IR: Percutaneous Embolization" Society of Interventional Radiology Annual Meeting. San Francisco CA. March 2012.
310. "Extreme IR: Transvenous Splenic Coil Removal, Stent, and Embolotherapy." Society of Interventional Radiology Annual Meeting. San Francisco CA. March 2012.
311. "Interventional Oncology: Hepatic Malignancies" Lahey Clinic Radiology Grand Rounds. Newton-Wellesley, MA. April 2012.
312. "Tour De TIPS" New England Society of Interventional Radiology (NESIR). April 2012.

313. "MasterClass Live: Coils, Plug and Stent Grafts." Global Embolization Symposium and Technologies (GEST). New York, New York. May 2012.
314. "MasterClass Live: Particles, Gelfoam and More." Global Embolization Symposium and Technologies (GEST). New York, New York. May 2012.
315. "MasterClass Live: Liquid Materials." Global Embolization Symposium and Technologies (GEST). New York, New York. May 2012.
316. "Ectopic Varices" Global Embolization Symposium and Technologies (GEST). New York, New York. May 2012.
317. "Embo in Jeopardy" Global Embolization Symposium and Technologies (GEST). New York, New York. May 2012.
318. "GEST Consensus Forum: Current Trends in Practice" Global Embolization Symposium and Technologies (GEST). New York, New York. May 2012.
319. "Extreme Embolization: Retrieving Embolization Coils" Global Embolization Symposium and Technologies (GEST). New York, New York. May 2012.
320. "Extreme Embolization: Percutaneous Embolization" Global Embolization Symposium and Technologies (GEST). New York, New York. May 2012.
321. "IVC filters – is the U.S. Completely Out of Step With the Rest of the World: What's New and where are we Headed?" Vascular Interventional Advances (VIVA 12). Las Vegas, NV. October 2012.
322. "Renal Blitz" Vascular Interventional Advances (VIVA 12). Las Vegas, NV. October 2012.
323. "Venous Interventions Blitz" Vascular Interventional Advances (VIVA 12). Las Vegas, NV. October 2012.
324. "Chalk Talk" Vascular Interventional Advances (VIVA 12). Las Vegas, NV. October 2012.
325. "TIPS Early Study Summary" AASLD satellite lecture. Boston MA. November 2012.
326. "Microwave-Runner: A Live Tabletop Roundup of Microwave Technologies. Clinical Interventional Oncology. Miami FL. January 2013.
327. "Sounding Like a Socialist: What's All this About Redistribution?" Clinical Interventional Oncology. Miami FL. January 2013.
328. "Catheter Jockeys Give Up Their Secrets at the Tabletop" Clinical Interventional Oncology. Miami FL. January 2013.
329. "Case-based Techniques in the Treatment of CRC Mets" Clinical Interventional Oncology. Miami FL. January 2013.
330. "Complex Dialysis Cases" 25<sup>th</sup> Annual International Symposium on Endovascular Therapy. Miami FL. January 2013.
331. "Vascular Malformations: Classification and Nomenclature" 25<sup>th</sup> Annual International Symposium on Endovascular Therapy. Miami FL. January 2013.
332. "Liquid Embolic Agents for High Flow Malformations " 25<sup>th</sup> Annual International Symposium on Endovascular Therapy. Miami FL. January 2013.
333. "Acute DVT: Anticoagulation versus Endovascular Intervention" 25<sup>th</sup> Annual International Symposium on Endovascular Therapy. Miami FL. January 2013.
334. "PTA is the Best Therapy for Cephalic Arch and Central Vein Stenosis" American Society of Diagnostic and Interventional Nephrologists. 9<sup>th</sup> Annual Scientific Meeting. Washington D.C. February 2013.
335. "First line Treatment of Peripheral Vein Stenosis Should be With a Covered Stent" American Society of Diagnostic and Interventional Nephrologists. 9<sup>th</sup> Annual Scientific Meeting. Washington D.C. February 2013.
336. "Tour de TIPS: Expert Techniques. A Discussion Based Approach to Challenging TIPS Cases and Strategies To Improve Patient Outcomes." Breakfast Symposium. Society of Interventional Radiology Annual Meeting. New Orleans LA. April 2013.
337. "Working for a Journal" (Within Academic IR Symposium). Society of Interventional Radiology Annual Meeting. New Orleans LA. April 2013.
338. "Future of IR" Society of Interventional Radiology Annual Meeting. New Orleans LA. April 2013.

339. "Visceral Aneurysms" Society of Interventional Radiology Annual Meeting. New Orleans LA. April 2013.
340. "Trends in Publishing, Bibliometrics, and Beyond: Perspectives from the JVIR Editor" Grand Rounds. Department of Radiology. Stanford University School of Medicine. Palo Alto, CA. May 2013.
341. "Transjugular Intrahepatic Portosystemic Shunts: 2013 State of the Art" Grand Rounds, Department of Radiology. University of Kentucky, Lexington Ky. June 2013.
342. "New Challenges: Update on Flair follow-up trial" Lifeline Physician Operators Forum. Annual Symposium. Chicago IL. September 2013.
343. "Role of stent-grafts in access work" Lifeline Physician Operators Forum Annual Symposium. Chicago IL. September 2013.
344. "Treat the Occlusion" 10th Annual Controversies in Dialysis Access. San Francisco, CA. October 2013.
345. "24th Month Results of the RENOVA Trial" 10th Annual Controversies in Dialysis Access. San Francisco, CA. October 2013.
346. "It's Access Academic". 10th Annual Controversies in Dialysis Access. San Francisco, CA. October 2013.
347. "Catheter Jockeys and Their Little Tricks" Live Demonstration. Clinical Interventional Oncology. Miami FL. January 2014.
348. "How Things Work - A Guided Tour Through Ablation" Live Demonstration. Clinical Interventional Oncology. Miami FL. January 2014.
349. "Techniques and Applications for Liquid Embolics: n-BCA and ONYX" ISET. Miami FL. January 2014.
350. "Top CLI Manuscripts from 2013" ISET. Miami FL. January 2014.
351. "Tour de TIPS" Philadelphia Angiography Society, Invited Speaker. Philadelphia PA. February 2014
352. "Early TIPS for Ascites" Annual Scientific Meeting Society of Interventional Radiology. San Diego, CA. March 2014.
353. "Evidence Based Medicine: Hemodialysis" Annual Scientific Meeting Society of Interventional Radiology. San Diego, CA. March 2014.
354. "Extreme IR: Neocaval Creation, 1 year follow up" Annual Scientific Meeting Society of Interventional Radiology. San Diego, CA. March 2014.
355. "Extreme IR: Transplant Portal Revascularization, Splenic Embolization, Hepatic Artery Endograft" Annual Scientific Meeting Society of Interventional Radiology. San Diego, CA. March 2014.
356. "MasterClass and Materials: Coils and Plugs" (Plenary). Global Embolization Symposium and Technologies (GEST) 2014. San Francisco, CA. May 2014.
357. "MasterClass and Materials: Particles, Gelfoam, and More" (Plenary). Global Embolization Symposium and Technologies (GEST) 2014. San Francisco, CA. May 2014.
358. "MasterClass and Materials: Ablation" (Plenary). Global Embolization Symposium and Technologies (GEST) 2014. San Francisco, CA. May 2014.
359. "MasterClass and Materials: Liquid Embolics" (Plenary). Global Embolization Symposium and Technologies (GEST) 2014. San Francisco, CA. May 2014.
360. "Visceral Aneurysms: Masters Tips" Global Embolization Symposium and Technologies (GEST) 2014. San Francisco, CA. May 2014.
361. "Gaps in Registered Trials: Interventional Oncology" Global Embolization Symposium and Technologies (GEST) 2014. San Francisco, CA. May 2014.
362. "What Have We Learned About Stent Grafts" Controversies in Dialysis Access. Salt Lake City, UT. October 2014.
363. "Cases I Wish I Hadn't Done" Controversies in Dialysis Access. Salt Lake City, UT. October 2014.
364. "Current Classification and Nomenclature of Vascular Malformations" VEITH Symposium. New York, NY. November 2014.

365. "Is A High MELD an Absolute Contraindication For TIPS And The Management Of Portal Biliopathy" AIM Symposium. New York, NY. November 2014.
366. "Portal Hypertension, TIPS, BRTO Cases" AIM Symposium. New York, NY. November 2014.
367. "New Macro And Micro Plugs" AIM Symposium. New York, NY. November 2014.
368. "It's Access Academic" Controversies in Dialysis Access. Salt Lake City, UT. October 2014.
369. "Getting Particular: High-Powered Microscopic Megashow of Particles Big and Small" Video Live Session. Clinical Interventional Oncology. Hollywood FL. January 2015.
370. "Livery Service: Racing Catheters to Their Final Destination". Clinical Interventional Oncology. Hollywood FL. January 2015.
371. "Filter Retrieval" American Society of Diagnostic and Interventional Nephrologists. Orlando FL. February 2015.
372. "Advances in Central Vein Stent Grafts Use in Access. American Society of Diagnostic and Interventional Nephrologists. Orlando FL. February 2015.
373. "InspIRing Interventions. Annual Scientific Meeting of the Society of Interventional Radiology. Atlanta GA. March 2015.
374. "Embolization MasterClass Live: Revisit Classics and Tastes of the New" Annual Scientific Meeting of the Society of Interventional Radiology. Atlanta GA. March 2015.
375. "Complex Treatment for Portal Hypertension: TIPS/BRTO" Annual Scientific Meeting of the Society of Interventional Radiology. Atlanta GA. March 2015.
376. "Extreme IR: Deus Ex Machina" Annual Scientific Meeting of the Society of Interventional Radiology. Atlanta GA. March 2015.
377. "The Stent-Graft Revolution in Evolution" Controversies in Dialysis Access. New Orleans, LA. October 2015.
378. "PAD Treatment in the Dialysis Access Center - Profitable? Yes! But Can it Be Done Well?" Controversies in Dialysis Access. New Orleans, LA. October 2015.
379. "It's Access Academic" Controversies in Dialysis Access. New Orleans, LA. October 2015.
380. "New Coils and Plugs To Improve Outcomes" Advanced Interventional Management Symposium. Cleveland Clinic. New York, NY. November 2015.
381. "Portal Hypertension TIPS and BRTO/ Workshop" Advanced Interventional Management Symposium. Cleveland Clinic. New York, NY. November 2015.
382. "TIPS: New And Future Developments To Improve The Procedure And Outcomes" Advanced Interventional Management Symposium. Cleveland Clinic. New York, NY. November 2015.
383. "Uterine Artery Embolization: State of the Art & Pelvic Congestion: South Atlantic Association of Obstetricians and Gynecologists. 78th Annual Meeting. Charleston SC. January 2016.
384. "Ablation spectacular: Live lecture and demo" Clinical Interventional Oncology. Hollywood FL. January 2016.
385. "Viral Video: Case Archives from MCVI. Case Reviews" Clinical Interventional Oncology. Hollywood FL. January 2016.
386. "Pulmonary Thrombectomy, Stents, and ECMO for Massive PE" Extreme IR Symposium. Society of Interventional Radiology Annual Scientific Meeting. Vancouver B.C. March/April 2016.
387. "Portal HTN: Role of the Viabahn and Viatorr" Satellite Symposium. Society of Interventional Radiology Annual Scientific Meeting. Vancouver B.C. March/April 2016.
388. "Stent Grafts and Access: Evidence Analyses" Indianapolis IR Evening. Indianapolis IN. May 2016.
389. "Stent Grafts in Hemodialysis Access: Evidence Review" Grand Rapids MI. July 2016.
390. "Stent Grafts in Hemodialysis Access: State of the Art" Detroit MI. July 2016.
391. "State of the Art of Stent Graft Use in Dialysis Access" Metarie IR Evening Session. Metarie LA. September 2016.
392. "Are We Training Our IR Fellows Well Enough to Play on the Access Team? Controversies in Dialysis Access. Austin TX. October 2016.
393. "It's Access Academic" Controversies in Dialysis Access. Austin TX. October 2016.

394. "The role of Stent Grafts in Hemodialysis Access" Nashville Angio Club. November 2016.
395. "Budd-Chiari: TIPS Is Indicated, Do Not Consider Hepatic Venous Stenting Alone " Advanced Interventional Management. Cleveland Clinic Foundation. New York, NY. November 2016.
396. "Advanced TIPS Techniques" Advanced Interventional Management. Cleveland Clinic Foundation. New York, NY. November 2016.
397. "Results Look Great: When Will PAE Be Indicated And Reimbursed For BPH " Advanced Interventional Management. Cleveland Clinic Foundation. New York, NY. November 2016.
398. "Amplatzer, EOS, Medusa, etc." Advanced Interventional Management. Cleveland Clinic Foundation. New York, NY. November 2016.
399. "Central Vein Stenoses and Occlusions: PTA vs. Stent – Is ere A Consensus" Advanced Interventional Management. Cleveland Clinic Foundation. New York, NY. November 2016.
400. "Current And Future Venous Stents" Advanced Interventional Management. Cleveland Clinic Foundation. New York, NY. November 2016.
401. "The State of the Art: Stent Grafts in Access" Advanced Interventional Management. Satellite Symposium. New York NY. November 2016.
402. "Advanced Stent grafting" Radiological Society of North America. Chicago IL. November 2016.
403. "Cephalic Arch: Advanced Interventions vs. Repeat PTA" Radiological Society of North America. Chicago IL. November 2016.
404. "Drug Eluting and Conventional TACE" Clinical Interventional Oncology. Hollywood FL. February 2017.
405. "Catheter Directed Interventions in Massive Pulmonary Embolism" Medicine Grand Rounds. Lemuel Shattuck Hospital. Boston MA. February 2017.
406. "Top Questions in Portal Hypertension Interventions" Expert Panel. Society of Interventional Radiology. Washington D.C. March 2017.
407. "A Requiem for Bare Metal Stents in HD Access" Society of Interventional Radiology. Washington D.C. March 2017.
408. "The Role of Diametrical Management in Modern TIPS" Satellite Symposium. Society of Interventional Radiology. Washington D.C. March 2017.
409. "Extrem IR: Neocaval Construction" Society of Interventional Radiology. Washington D.C. March 2017.
410. "How to Get Your Research into Press" Cleveland Clinic Foundation. Cleveland OH. March 2017.
411. "Bibliometrics, Publishing Evolution and Perspectives on Scientific publishing from the Editor." Radiology Grand Rounds. Cleveland Clinic Foundation. Cleveland OH. March 2017.
412. "TIPS or BRTO: Which Technique for Which Patients" Digestive Disease Interventions Symposium. Cleveland Clinic Foundation. October 2017.
413. "Overview and Update on TIPS" Synergy. Miami University School of Medicine. Miami. November 2018.
414. "tips for portal hypertension should really be performed in the middle of the night" AIM Symposium. Cleveland Clinic Foundation. November 2018.
415. "DCB or Stent-Grafts For Juxta Anastomotic Stenosis: The Evidence" AIM Symposium. Cleveland Clinic Foundation. November 2018.
416. "The Optimal Venous Stent and Techniques for Treating Iliofemoral Venous Disease" AIM Symposium. Cleveland Clinic Foundation. November 2018.
417. "Insanely Great Cases in IO" Clinical Interventional Oncology (CIO) Symposium. North American Center for *Continuing Medical Education* (NACCME). Hollywood, FL. February 2018.
418. "Declaring Mistrials: What to Make of the Negative IO Studies and Other Literature Conundrums" Clinical Interventional Oncology (CIO) Symposium. North American Center for *Continuing Medical Education* (NACCME). Hollywood, FL. February 2018.
419. "Dialysis Interventions: Case-Based Discussion with the Experts: Devices and Stent Grafts.

- International Symposium on Endovascular Therapy (ISET). North American Center for *Continuing Medical Education* (NACCME). Hollywood, FL. February 2018.
420. "Thyroid Ablation" Clinical Interventional Oncology (CIO) Symposium. North American Center for *Continuing Medical Education* (NACCME). Hollywood, FL. February 2018.
  421. "Dashcam Video from MCVI" Clinical Interventional Oncology (CIO) Symposium. North American Center for *Continuing Medical Education* (NACCME). Hollywood, FL. February 2018.
  422. "Embolic Selection and Techniques in the Management of Endoleaks, Pulmonary AVMs and Aneurysms" International Symposium on Endovascular Therapy (ISET). North American Center for *Continuing Medical Education* (NACCME). Hollywood, FL. February 2018.
  423. "Extreme IR" Society of Interventional Radiology Annual Scientific Meeting. Los Angeles. March 2018.
  424. "Portal Hypertension: Meet the Experts" Society of Interventional Radiology Annual Scientific Meeting. Los Angeles. March 2018.
  425. "Requiem for the Bare Stent" Society of Interventional Radiology Annual Scientific Meeting. Los Angeles. March 2018.
  426. "Use of Stent Grafts and DCB in Hemodialysis Access" Los Angeles. March 2018.
  427. "How to Write and Prepare Abstracts" Association of Vascular and Interventional Radiographers (AVIR) Annual Scientific Meeting. Los Angeles. March 2018.
  428. "Bare Metal Stents for TCVO: RIP...or Not? Controversies in Dialysis Access. Washington D.C. October 2018.
  429. "TCVO – An Unmet Need" Controversies in Dialysis Access. Washington D.C. October 2018.
  430. "The Editor's Perspective on Future of IR Research and Publishing" 30<sup>th</sup> Anniversary Fellows Reunion: A critical Outcomes Review. Miami Cardiac and Vascular Institute. Miami, FL. October 2018.
  431. "Management of Failing AV Grafts and Fistulae: You Can Decrease Cost by Spending More Upfront –Is This Fact or Fiction" Advanced Interventional Management. New York, NY. November 2018.
  432. "Indications for TIPS or BRTO: How Do I Choose" Advanced Interventional Management. New York, NY. November 2018.
  433. "The Role of ECMO in Catheter Directed Therapy of PE" International Symposium for Endovascular Therapy. Hollywood FL. January 2019.
  434. "Management of Air Embolism in IR" International Symposium for Endovascular Therapy. Hollywood FL. January 2019.
  435. "Virtual Reality in Physician Training and Education" Society of Interventional Radiology Annual Scientific Meeting. Austin TX. March 2019.
  436. "Extreme IR" (Presenter and Course Director) Society of Interventional Radiology Annual Scientific Meeting. Austin TX. March 2019.
  437. "Extreme IR" Association of Vascular and Interventional Radiographers" (Presenter and Course Director. Austin TX. March 2019.
  438. "ECMO in PE: A primer for the IR Physician" Society of Interventional Radiology Annual Scientific Meeting. Austin TX. March 2019.
  439. "What's New in TIPS" New England Society of Interventional Radiology (NESIR). Boston MAA. April 2019.
  440. "Hemorrhage and Mortality after Inadvertant Arterial Injury" Failure Analysis Conference. Jackson Hole, WY. August 2019.
  441. "Editor's Choice: My Favorite Paper" Clinical Interventional Oncology (CIO). Miami. October 2019.
  442. "Thyroid Ablation – In Virtual Reality" Clinical Interventional Oncology (CIO). Miami. October 2019.
  443. "Poor PTA Result: Stent or Covered Stent" 16<sup>th</sup> Annual Controversies in Dialysis Access (CIDA). November 2019. San Diego CA.
  444. "Meta-analyses: Beware the Pitfalls of Aggregating Clinical Trial Data" 16<sup>th</sup> Annual

- Controversies in Dialysis Access (CIDA). November 2019. San Diego CA.
445. "It's Access Academic" 16<sup>th</sup> Annual Controversies in Dialysis Access (CIDA). November 2019. San Diego CA.
  446. "Vein Vedi Vici: Maybe," 2019 Charles T. Dotter Memorial Lecture. American Heart Association Annual Meeting. November 2019. Philadelphia PA.
  447. "Covered Stents And Drug Coated Balloons In The Management Of Failing AV Grafts And Fistulas" Advanced Interventional Management (AIM) Conference. New York NY. November 2019.
  448. "Impact Of Changing Reimbursement For Outpatient Hemodialysis Procedures On Hospital IR Workflow" VEITH Symposium. New York NY. November 2019.
  449. "Top 10 Newly Published AV Access Publications You Should Know About" VEITH Symposium. New York NY. November 2019.
  450. "Embolization: The Universe in a Grain of Sand" Charles Tegtmeyer Memorial Lecture. International Symposium on Endovascular Therapy (ISET). January 2020 Hollywood, FL.

### **International**

1. "Advanced TIPS: Management of Post-TIPS Encephalopathy and Portal System Thromboses" Second International Workshop on Interventional Radiology. Prague Czech Republic. June, 1995
2. Symposium on Transjugular Intrahepatic Portosystemic Shunts and Vascular Angioplasty/Stenting. University of Indonesia. Jakarta Indonesia: September, 1995
3. "Vascular and TIPS Applications of Encapsulated PTFE Stent Grafts" Third International Workshop on Interventional Radiology. Prague Czech Republic. June, 1996
4. "Will Stent-Grafts Prolong TIPS Patency" International Symposium on Vascular Diagnosis and Intervention. Miami FL. January, 1997
5. "Gene Therapy" 2nd Technology Forum: Telemedicine at the Dawn of the next Millennium / Telemedicine in Minimally Invasive Therapy and Minimally Invasive Surgery. Hanover Germany. May, 1998
6. Chemoembolization of Hepatic Malignancies" 2nd Annual Nuclear Medicine and Radiology Symposium. Kuwait City Kuwait. February, 1999
7. "The Difficult TIPS: Mishaps and their Management" 2nd Annual Nuclear Medicine and Radiology Symposium. Kuwait City Kuwait. February, 1999
8. "TIPS: State of the Art" 2nd Annual Nuclear Medicine and Radiology Symposium. Kuwait City Kuwait. February, 1999
9. "TIPS: Controversies Roundtable: Prognostic Factors and Outcome" Cardiovascular and Interventional Radiology Society of Europe. Prague Czech Republic. September, 1999
10. "Stent Grafts for TIPS" 12th Annual International Symposium on Endovascular Therapy. Miami, FL January, 2000
11. "TIPS Stent Grafts" 6th "Stent Grafts for TIPSS" 5th International Symposium on Endovascular Therapy. University of Heidelberg. Zermatt, Switzerland. February, 2000
12. "Vascular Closure Devices" Surgical and Radiological Endovascular Symposium (SRES 00). Martinique. March, 2000
13. "Carotid Artery Stent Placement in High Risk Patients" Surgical and Radiological Endovascular Symposium (SRES 00). Martinique. March, 2000
14. "Vascular Gene Therapy" Surgical and Radiological Endovascular Symposium (SRES 00). Martinique. March, 2000
15. International Workshop on Interventional Radiology. Prague, Czech Republic. June, 2000
16. "How to create and Internet Database". Cardiovascular and Interventional Radiology Society of Europe. Maastricht, Netherlands. September, 2000
17. Prolonging Tips Patency: Rationale and Results of Stent-Grafts in TIPS. Cardiovascular and Interventional Radiology Society of Europe. Maastricht, Netherlands September, 2000
18. Controversies in Interventional Radiology Roundtable. Cardiovascular and Interventional Radiology Society of Europe. Maastricht, Netherlands September, 2000

19. "Transjugular Intrahepatic Portosystemic Shunts: New Developments" Millennium Congress of Vascular and Interventional Radiology. New Delhi, India December, 2000
20. "Transjugular Intrahepatic Portosystemic Shunts: Results" Millennium Congress of Vascular and Interventional Radiology. New Delhi, India December, 2000
21. "Mechanical Thrombectomy Devices: Devices and Results" Millennium Congress of Vascular and Interventional Radiology. New Delhi, India December, 2000
22. "Stent Graft for Transjugular Intrahepatic Portosystemic Shunts" Invited Live Case Satellite Broadcast. International Symposium on Endovascular Therapy. Miami FL. January, 2001
23. "TIPS: New Advances" Indian Association for Study of the Liver/ European Association for the Study of the Liver. Goa, India. March, 2001
24. "TIPS: Clinical Indications and Stent-Grafts" Interventional Radiology/ Gastroenterology Symposium. Hyderabad, India. March, 2001
25. "TIPS: Clinical Use and New Advances" Bombay Hospital Interventional Radiology. Mumbai, India March, 2001
26. "TIPS Created with Stent Grafts" 7th International Workshop on Interventional Radiology. Prague, Czech Republic. June, 2001
27. "Morbidity and Mortality Conference: Aortic Stent Grafts" 7th International Workshop on Interventional Radiology. Prague, Czech Republic. June, 2001
28. Stent Grafts for Transjugular Intrahepatic Portosystemic Shunts Plenary Session. Cardiovascular and Interventional Radiology Society of Europe. Gothenburg, Sweden. September, 2001
29. "Catheter-Directed Therapy of Venous Thromboembolic Disease" Turkish Society of Radiology. Antalya, Turkey October, 2001
30. "The Difficult TIPS" Turkish Society of Radiology. Antalya, Turkey October, 2001
31. "Vascular Closure Devices" Turkish Society of Radiology. Antalya, Turkey. October, 2001
32. "TIPS State of the Art" SoBRICE 4th Annual Meeting. Brazilian Society of Interventional Radiology and Endovascular Surgery. Rio de Janeiro, Brazil. November, 2001
33. "Cancer Gene Therapy" SoBRICE 4th Annual Meeting. Brazilian Society of Interventional Radiology and Endovascular Surgery. Rio de Janeiro, Brazil. November, 2001
34. "Catheter Treatment of Deep Venous Thrombosis" SoBRICE 4th Annual Meeting. Brazilian Society of Interventional Radiology and Endovascular Surgery. Rio de Janeiro, Brazil. November, 2001
35. "Percutaneous Endovascular Bypass Grafts" 3rd Annual Surgical and Radiological Endovascular Intervention Symposium. St. Martin. March, 2002
36. "Prolongation of Hemodialysis Access Using Stent Grafts: Phase I Results" 3rd Annual Surgical and Radiological Endovascular Intervention Symposium. St. Martin. March, 2002
37. "Thrombolysis and Antiplatelet Agents in 2002" 3rd Annual Surgical and Radiological Endovascular Intervention Symposium. St. Martin. March, 2002.
38. "Arterial Closure Devices: Techniques and Results" 8th International Symposium on Interventional Radiology. Oregon Health Sciences University. Prague, Czech Republic. June 2002.
39. "Interventions in Deep Venous Thrombosis" 8th International Symposium on Interventional Radiology. Oregon Health Sciences University. Prague, Czech Republic. June, 2002.
40. "Tips for the Difficult TIPS" 8th International Symposium on Interventional Radiology. Oregon Health Sciences University. Prague, Czech Republic. June, 2002.
41. "The Difficult TIPS" 1st International Workshop on Interventional Radiology. Polish Medical Society of Radiology. Jelenia Góra, Poland. June, 2002.
42. "10 Questions about DVT Interventions" Gulf Coast Angio Society. Pensacola, FL. July, 2002
43. "Catheter Directed Therapy for Deep Vein Thrombosis" Adventures in Interventional Radiology. Society of Cardiovascular and Interventional Radiology. Manaus, Brazil. August, 2002.

44. "Catheter Directed Therapy for Deep Vein Thrombosis" Adventures in Interventional Radiology. Society of Cardiovascular and Interventional Radiology. Manaus, Brazil. August, 2002.
45. "The Use of Stent Grafts for Venous Anastomotic Stenosis in Hemodialysis Patients: Phase I Results of a Multicenter Trial." Adventures in Interventional Radiology. Society of Cardiovascular and Interventional Radiology. Manaus, Brazil. August, 2002.
46. "Vascular Closure Devices: Tools, Indications, and Results." Adventures in Interventional Radiology. Society of Cardiovascular and Interventional Radiology. Manaus, Brazil. August, 2002.
47. "Venous Thrombolysis." Cardiovascular and Interventional Radiology Society of Europe. Lucerne, Switzerland. October, 2002.
48. "TIPS Stent Grafts." Cardiovascular and Interventional Radiology Society of Europe. Lucerne, Switzerland. October, 2002.
49. "Creating TIPS in Complex Situations and Use of Stent Grafts." Second International Course on Percutaneous Image Guided Interventions. University of the Salvador. Buenos Aires, Argentina. October, 2002.
50. "Uterine Fibroid Embolization." Second International Course on Percutaneous Image Guided Interventions. University of the Salvador. Buenos Aires, Argentina. October, 2002.
51. "Randomized Trial and Novel Developments: Transjugular Intrahepatic Portosystemic Shunts." XXI Interamerican Congress of Radiology. Cartagena, Colombia. October, 2002.
52. "The Difficult TIPS." XXI Interamerican Congress of Radiology. Cartagena, Colombia. October, 2002.
53. "Endovascular Therapy of Deep Vein Thrombosis." XXI Interamerican Congress of Radiology. Cartagena, Colombia. October, 2002.
54. "Results of Multicenter Randomized Trial of Viatorr against Wallstent for TIPS" 15th Annual International Symposium on Endovascular Therapy. Miami, FL January, 2003.
55. "Results of Randomized Multicenter Trial of Bard Dialysis Stent-Graft for Venous Anastomoses" 15th Annual International Symposium on Endovascular Therapy. Miami, FL January, 2003.
56. "Mechanical Thrombectomy Devices for Peripheral Arterial Occlusion" 15th Annual International Symposium on Endovascular Therapy. Miami, FL January, 2003.
57. "Ultrasonic Thrombectomy" 4th Annual Surgical and Radiological Endovascular Symposium. Varadero, Cuba. March, 2003.
58. "Update on Multicenter Randomized Trial Comparing PTA and Stent Grafts for Venous Anastomotic Stenoses in Dialysis Access Grafts." 4th Annual Surgical and Radiological Endovascular Symposium. Varadero, Cuba. March, 2003 "TIPS Follow-up and Revisions" Cardiovascular and Interventional Radiology Society of Europe. Antalya, Turkey. September, 2003.
59. "Transjugular Intrahepatic Portosystemic Shunts: Results and Advances." Army Hospital: Research and Referral. New Delhi, India. October, 2003.
60. "Transjugular Intrahepatic Portosystemic Shunts: Results and Advances." Bombay Hospital. Mumbai, India. October, 2003.
61. "Transjugular Intrahepatic Portosystemic Shunts: Results and Advances." Vadamalayan Hospital. Madurai (Tamil Nadu), India. October, 2003.
62. "Transjugular Intrahepatic Portosystemic Shunts: New Techniques and Results." Korean Radiological Society Annual Meeting. Seoul, Republic of Korea. October, 2003.
63. "Uterine Fibroid Embolization and Treatment of Pelvic Congestion Syndrome: State of the Art." Korean Radiological Society Annual Meeting. Seoul, Republic of Korea. October, 2003.
64. "Catheter Directed Therapy of Deep Vein Thrombosis: 10 Questions to be Asked and Answered." Asan Medical Center. Seoul, Republic of Korea. October, 2003.
65. "TIPS Stent Grafts: The Next Evolutionary Step" Dallas Interventional Radiology Society/ Angio Club. Dallas TX. January, 2004.

66. "Stent Grafts and TIPS: Results of the US Randomized Trial" Northwestern University Liver Transplant/ Interventional Radiology Conference. Chicago IL. January, 2004.
67. "PTFE-Covered Stents as an Alternative to Drug-Eluting Stents" International Symposium on Endovascular Therapy. Miami, FL. January, 2004.
68. "Mechanical Thrombectomy Devices " International Symposium on Endovascular Therapy. Miami, FL. January, 2004.
69. "Interventions in Massive Pulmonary Embolism" International Symposium on Endovascular Therapy. Miami, FL. January, 2004.
70. "TIPS: Clinical Results and New Advances" Society of Vascular Imaging and Interventional Radiology (SVIIR). Guangzhou, China. February, 2004.
71. "Advances in Catheter Directed Therapy of Peripheral Vascular Disease." International Symposium on Aging in Korean Society. Hallym University-NewYork Presbyterian Hospital. Seoul, Korea. September, 2004.
72. "Ten TIPS for TIPS" Seventh Annual SoBRICE Meeting. Colégio Brasileiro De Radiologia. Rio de Janeiro, Brazil. October, 2004.
73. "TIPS: Past Present and Future" Seventh Annual SoBRICE Meeting. Colégio Brasileiro De Radiologia. Rio de Janeiro, Brazil. October, 2004.
74. "TIPS Stent Grafts: Results of the US Multicenter Randomized Trial" Seventh Annual SoBRICE Meeting. Colégio Brasileiro De Radiologia. Rio de Janeiro, Brazil. October, 2004
75. "Interventions in Budd-Chiari Syndrome" Seventh Annual SoBRICE Meeting. Colégio Brasileiro De Radiologia. Rio de Janeiro, Brazil. October, 2004.
76. "TIPS: State of The Art" Chesapeake Interventional Radiology Society. Washington D.C. October, 2004.
77. "Mechanical Thrombectomy Devices for Deep Vein Thrombosis" 6th Asia-Pacific Congress of Cardiovascular & Interventional Radiology/ 7th Annual Meeting of the Indian Society of Vascular and Interventional Radiology. New Delhi, India. October, 2004.
78. "Stent Grafts for the SFA" 6th Asia-Pacific Congress of Cardiovascular & Interventional Radiology/ 7th Annual Meeting of the Indian Society of Vascular and Interventional Radiology. New Delhi, India. October, 2004.
79. "TIPS Stent Grafts vs. Wallstents: The U.S. Randomized Trial." 6th Asia-Pacific Congress of Cardiovascular & Interventional Radiology/ 7th Annual Meeting of the Indian Society of Vascular and Interventional Radiology. New Delhi, India. October, 2004.
80. "Management of Portal Hypertension in Patients with Hepatic Malignancy" Image Guided Tumor Therapy Symposium. Columbia University College of Physicians and Surgeons October, 2004.
81. "Treatment of Budd-Chiari Syndrome: USA Experience." 6th Asia-Pacific Congress of Cardiovascular & Interventional Radiology/ 7th Annual Meeting of the Indian Society of Vascular and Interventional Radiology. New Delhi, India. November, 2004"Devices for Dialysis Declotting" International Symposium on Endovascular Therapy. Miami, FL. January, 2005.
82. "ADVENTT Prospective Multicenter Trial for Lower Extremity DVT" International Symposium on Endovascular Therapy. Miami, FL. January, 2005.
83. "Results of a Randomized Trial of Covered Stents for Dialysis Access Grafts" International Symposium on Endovascular Therapy. Miami, FL. January, 2005.
84. "TIPS: Current State-of-the-art" International Symposium on Endovascular Therapy. Miami, FL. January, 2005.
85. "Interventions for Deep Vein Thrombosis" Charing Cross Vascular Symposium. London, England. April, 2005.
86. "The US Randomized Multicenter TIPS Trial" Charing Cross Vascular Symposium. London, England. April, 2005.
87. "Results of A Randomized Trial of TIPS Using Stent Grafts." ISIR & JSAIR 2005. Awaji Island, Hyogo, Japan. May, 2005

88. "Catheter Directed Therapy of DVT" ISIR & JSAIR 2005. Awaji Island, Hyogo, Japan. May, 2005.
89. "Radiation Eye Injury and Cataracts" ISIR & JSAIR 2005. Awaji Island, Hyogo, Japan. May, 2005.
90. "TIPS Lessons Learned" Cardiovascular and Interventional Radiology Society of Europe. Nice, France. September, 2005
91. "DVT Interventions" International Symposium on Endovascular Therapy. Miami, FL January, 2006.
92. "Prolonging Dialysis Access" International Symposium on Endovascular Therapy Miami, FL January, 2006 "Hemodialysis via Graft" Dialysis Categorical Course. Society of Interventional Radiology Annual Meeting. Toronto Canada. March, 2006
93. "A Miscellany of Tips on TIPS" Portal Hypertension Categorical Course. Society of Interventional Radiology Annual Meeting. Toronto, Canada. March, 2006
94. "Stent Grafts Prolong Graft Patency: Results from the U.S. Multicenter Randomized Trial" Charing Cross Vascular Symposium. Imperial College of Medicine. London, England. March, 2006
95. "Use of Stent Grafts in AV Access" Bard Satellite Symposium. Charing Cross Vascular Symposium. London, England. March, 2006
96. "TIPS and Advanced TIPS" 1st International Anatolian Course of Interventional Radiology. Istanbul, Turkey May, 2006
97. "Liver Transplant Vascular Interventions" Cardiovascular and Interventional Radiology Society of Europe. Rome, Italy. September, 2006
98. "Radiation Dose to the Eye" Cardiovascular and Interventional Radiology Society of Europe. Rome, Italy. September, 2006.
99. "The Future of TIPS" Satellite Symposium. Cardiovascular and Interventional Radiology Society of Europe. Rome, Italy. September, 2006.
100. "Interventions in Budd-Chiari Syndrome" 7th Annual Asia Pacific Congress of Cardiovascular and Interventional Radiology. Pattaya, Thailand. October, 2006.
101. "Covered Stents in TIPS" 7th Annual Asia Pacific Congress of Cardiovascular and Interventional Radiology. Pattaya, Thailand. October, 2006.
102. "The Future of TIPS" 7th Annual Asia Pacific Congress of Cardiovascular and Interventional Radiology. Pattaya, Thailand. October, 2006.
103. "Dialysis Management" 7th Annual Asia Pacific Congress of Cardiovascular and Interventional Radiology. Pattaya, Thailand. October, 2006.
104. "Cosmetic IR." 2007 European College of Radiology Annual Meeting. Invited Hot Topic Focus Lecture. Vienna, Austria. March, 2007.
105. "TIPS: Evidence and Results" Global Embolization Symposium and Technologies (GEST 2007). Barcelona, Spain. April, 2007.
106. "Embolization is Limited After TIPS" (Debate). Global Embolization Symposium and Technologies (GEST 2007). Barcelona, Spain April, 2007.
107. "Morbidity and Mortality and Great Saves" Global Embolization Symposium and Technologies (GEST 2007). Barcelona, Spain April, 2007.
108. "Preserving Hemodialysis Access Graft Function" Mayo Clinic Vascular Symposium. Reykjavik, Iceland June 2007.
109. "Portal Mesenteric and Splenic Vein Thromboses" Mayo Clinic Vascular Symposium. Reykjavik, Iceland June 2007.
110. "TIPS in Special Situations: Budd-Chiari" Cardiovascular and Interventional Radiology Society of Europe. Athens, Greece. September 2007.
111. "Interventional Management of Failing Graft Fistulas" Cardiovascular and Interventional Radiology Society of Europe. Athens, Greece. September 2007.
112. "Hot Topic: The Evolving Role of the Interventional Radiologist, Endovascular Therapy and Embolization." Embolization Conference. Sao Paulo, Brazil October 2007.

113. "Portal Hypertension: Splenic and Variceal Embolization and TIPS" Embolization Conference. Sao Paulo, Brazil October 2007.
114. "Preoperative Embolization of Kidney Cancer: When and How" Embolization Conference. Sao Paulo, Brazil October 2007.
115. "Percutaneous Treatment of Portal Hypertension: Where Are We Now?" Argentine Congress of Surgery. Buenos Aires, Argentina. October 2007.
116. Transjugular Intrahepatic Portosystemic Shunts: State of the Art." 7th International "Hands On" Course in Minimally Invasive Surgery and Interventional Radiology (SIDI). Buenos Aires, Argentina. October 2007.
117. "Uterine Fibroid Embolization: An Evidence Based Review" 7th International "Hands On" Course in Minimally Invasive Surgery and Interventional Radiology (SIDI). Buenos Aires, Argentina. October 2007.
118. "Dialysis Access Interventions: What Works and What Does Not." : 7th International "Hands On" Course in Minimally Invasive Surgery and Interventional Radiology (SIDI). Buenos Aires, Argentina. October 2007.
119. "Evidence Based Practice: The FLAIR Trial for Dialysis Access". 30th Charing Cross Vascular Symposium. Satellite Symposium. Imperial College of Medicine. London, England. April 2008.
120. "Advanced Interventions in Portal Hypertension: State of the Art." Dalhousie University. Halifax, Nova Scotia. May 2008.
121. "Renal Embolization Prior to Tumor Resection" Global Embolization Symposium and Technologies (GEST 2008). Barcelona, Spain June 2008.
122. "Experts Speak: UFE Practice Development: What Worked for Me" Global Embolization Symposium and Technologies (GEST 2008). Barcelona, Spain June 2008
123. "Masterclass: Coils and Onyx" Global Embolization Symposium and Technologies (GEST 2008). Barcelona, Spain June 2008.
124. "Masterclass: Glue and Particle Embolic Agents: Global Embolization Symposium and Technologies (GEST 2008). Barcelona, Spain June 2008.
125. "Masterclass: Gelfoam" Global Embolization Symposium and Technologies (GEST 2008). Barcelona, Spain June 2008.
126. "Masterclass: Plugs and Stent Grafts" Global Embolization Symposium and Technologies (GEST 2008). Barcelona, Spain June 2008.
127. "What's New in TIPS for Hematemesis" Annual Meeting. Cardiovascular and Interventional Radiology Society of Europe. Copenhagen, Denmark. September 2008
128. "Update on Embolic Particles" Annual Meeting. Cardiovascular and Interventional Radiology Society of Europe. Copenhagen, Denmark. September 2008
129. "How to Become a Reviewer for CVIR: Annual Meeting. Cardiovascular and Interventional Radiology Society of Europe. Copenhagen, Denmark. September 2008
130. "Resident Case Review" Tan Tock Hospital Grand Rounds. Singapore. December 2008
131. "Interventions in the SFA" Tan Tock Hospital Grand Rounds. Singapore. December 2008
132. "Vascular Complications of Liver Transplantation" Singapore General Hospital. Singapore. December 2008
133. "Biliary Complications of Liver Transplantation" Singapore General Hospital. Singapore. December 2008
134. "DVT Interventions: Best Current Evidence" Singapore Interventional Radiology Society. Singapore. December 2008
135. "Current Use of TIPS" Portal Hypertension Symposium. Singapore. December 2008
136. "Master Class: Live demonstration of Coils and Plugs" Global Embolization Symposium and Technologies (GEST 2009). Paris, France. April 2009
137. "GEST Tumor Board: HCC" Global Embolization Symposium and Technologies (GEST 2009). Paris, France. April 2009
138. "Morbidity and Mortality Case Session" Global Embolization Symposium and Technologies (GEST 2009). Paris, France. April 2009

139. "Master Class: Live demonstration of Glue + Onyx" Global Embolization Symposium and Technologies (GEST 2009). Paris, France. April 2009
140. "Master Class: Live demonstration: Radioembolization Particles & Gel Foam" Global Embolization Symposium and Technologies (GEST 2009). Paris, France. April 2009
141. "Embolization of Varices: Harder Stronger Faster" Global Embolization Symposium and Technologies (GEST 2009). Paris, France. April 2009
142. "Cosmetic IR" Interventional Radiology Society of Australasia, Annual Meeting. Hamilton Island. July 2009
143. "DVT Interventions" Interventional Radiology Society of Australasia, Annual Meeting. Hamilton Island. July 2009.
144. "Interventions in Portal Vein Thrombosis" Interventional Radiology Society of Australasia, Annual Meeting. Hamilton Island. July 2009.
145. "Ablation of Lung Tumors" Interventional Radiology Society of Australasia, Annual Meeting. Hamilton Island. July 2009.
146. "Embolization Techniques" Cardiovascular and Interventional Radiology Society of Europe. Annual Meeting. Lisbon, Portugal. September 2009.
147. "Renal Stent Dissection and Thrombosis: Cardiovascular and Interventional Radiology Society of Europe. Annual Meeting. Lisbon, Portugal. September 2009.
148. "Ultrasound Guidance For Vascular Access: Pro (Debate)" First Annual Israeli Vascular Symposium. Herzliya, Israel. January 2010.
149. "Micropuncture Needles for Access: Pro (Debate)" First Annual Israeli Vascular Symposium. Herzliya, Israel. January 2010.
150. "Results of the US Randomized Trial of Stent Grafts in Dialysis Access" First Annual Israeli Vascular Symposium. Herzliya, Israel. January 2010.
156. "Trends in Journal Publishing: Learning at Warp Speed and JVIR" Chinese Society of Interventional Radiology Annual Meeting. Guangzhou, China. September 2010.
157. "Clinical Practice in IR is No Longer Optional" Chinese Society of Interventional Radiology Annual Meeting. Guangzhou, China. September 2010.
158. "When To Use Endografts in Dialysis" Chinese Society of Interventional Radiology Annual Meeting. Guangzhou, China. September 2010.
159. "TIPS: What Are the Clinical Indications?" Chinese Society of Interventional Radiology Annual Meeting. Guangzhou, China. September 2010.
160. "Pelvic Congestion Syndrome" Cardiovascular and Interventional Radiology Society of Europe. Annual Meeting. Valencia, Spain. September 2010.
161. "How to Moderate a Scientific Session in English" 4<sup>th</sup> Meeting of the Society of Gastrointestinal Interventions (SGI). Seoul, Korea.
162. "Management of Variceal Bleeding: TIPS and BRTO" Keynote Lecture. 4<sup>th</sup> Meeting of the Society of Gastrointestinal Interventions (SGI). Seoul, Korea. October 2010.
163. "The Evolution of JVIR: Trends in Publishing" 4<sup>th</sup> Meeting of the Society of Gastrointestinal Interventions (SGI). Seoul, Korea. October 2010.
167. "Drug Eluting Beads: Composition and Manufacture" Curso Internacional Hands-On Curso en Cirugia Invasiva Minima y Radiologia Intervencionista. Buenos Aires, Argentina. November 2010.
168. "Results of Drug Eluting Beads For Hepatic Chemoembolization" Hands-On Curso en Cirugia Invasiva Minima y Radiologia Intervencionista. Buenos Aires, Argentina. November 2010.
169. "Interventions in Deep Vein Thrombosis" Hands-On Curso en Cirugia Invasiva Minima y Radiologia Intervencionista. Buenos Aires, Argentina. November 2010.
170. "TIPS: An Update" Hands-On Curso en Cirugia Invasiva Minima y Radiologia Intervencionista. Buenos Aires, Argentina. November 2010.
171. "The Current State of TIPS (plenary)" 81<sup>st</sup> Argentine College of Surgeons. Buenos Aires, Argentina. November 2010.
172. "Dialysis Angioplasty or Stents: Updates on Results" Cardiovascular and Interventional

- Radiology Society of Europe. Annual Meeting. Munich Germany. October 2010.
173. "Film Interpretation Panel, Captain" Cardiovascular and Interventional Radiology Society of Europe. Annual Meeting. Munich Germany. October 2010.
  174. "Catheter Directed Therapy of Deep Vein Thrombosis: It's All About the Leg." Radiology Grand Rounds. University of Toronto School of Medicine. Toronto, Canada. January 2011.
  175. "Level 1 Evidence for the Use of Transjugular Intrahepatic Portosystemic Shunts" Radiology Grand Rounds. St. Michael's hospital / University of Toronto School of Medicine. Toronto, Canada. January 2011.
  176. "Radiofrequency Ablation of Lung Cancer" Radiology Grand Rounds. McMaster's University. Hamilton, Canada. January 2011.
  177. "Level 1 Evidence for the Use of Transjugular Intrahepatic Portosystemic Shunts" Radiology Grand Rounds. McMaster University. Hamilton, Canada. January 2011.
  178. "Consultative role of the IR: Gastrointestinal Bleeding. Global Embolization Symposium and Technologies (GEST Europe). Cardiovascular and Interventional Radiology Society of Europe Research Foundation. Paris, France. April 2011.
  179. "Detachable coils: expenses justified – pro: Coils, plugs and microcatheters." Global Embolization Symposium and Technologies (GEST Europe). Cardiovascular and Interventional Radiology Society of Europe Research Foundation. Paris, France. April 2011.
  180. "The role of stent grafts in Access Grafts and Fistulae" 7<sup>th</sup> Congress of the Vascular Access Society. Istanbul, Turkey. May 2011.
  181. "Extreme Vascular Access When No Conventional Options Remain." 7<sup>th</sup> Congress of the Vascular Access Society. Istanbul, Turkey. May 2011.
  182. "Splenic trauma: indication and results" Global Embolization Symposium and Technologies (GEST Europe). Cardiovascular and Interventional Radiology Society of Europe Research Foundation. Paris, France. April 2011.
  183. "Interventional Radiology Cases and Approaches" University of British Columbia. Annual Resident Research Day. Vancouver, British Columbia. June 2011.
  184. "Does Early TIPS Prolong Survival?" Vancouver Interventional Radiology Society. Vancouver, British Columbia. June 2011.
  185. "Resident Teaching Sessions: Cases and Lectures" (3 hours). University of British Columbia. Vancouver, British Columbia. June 2011.
  185. "TIPS: tips and tricks for bleeding, ascites, Budd Chiari and portomesenteric vein thrombosis." Cardiovascular and Interventional Radiology Society of Europe Annual Meeting. Munich Germany. September 2011
  186. "Film Interpretation Panel (and Captain)" Cardiovascular and Interventional Radiology Society of Europe Annual Meeting. Munich, Germany. September 2011
  187. "Recent Advances in Portal Venous Intervention." 5<sup>th</sup> Meeting of the Society of Gastrointestinal Interventions (SGI). Seoul, Korea. October 2011.
  188. "How to Enjoy Writing a Paper in English" 5<sup>th</sup> Meeting of the Society of Gastrointestinal Interventions (SGI). Seoul, Korea. October 2011.
  189. "Biliary Stents for Liver Transplant Stenoses" 5<sup>th</sup> Meeting of the Society of Gastrointestinal Interventions (SGI). Seoul, Korea. October 2011.
  190. TIPS: Data From the West. Asian Pacific Cardiovascular and Interventional Radiology (APCCVIR)/ Japanese Society of Interventional Radiology (JSIR) Invited Speaker. Kobe, Japan. June 2012.
  191. "Superior Vena Cava Rupture: Morbidity and Mortality" Asian Pacific Cardiovascular and Interventional Radiology (APCCVIR)/ Japanese Society of Interventional Radiology (JSIR) Invited Speaker. Kobe, Japan. June 2012.
  192. "How to Review a Scientific Paper in English" 6<sup>th</sup> Meeting of the Society of Gastrointestinal Interventions (SGI). Seoul, Korea. October 2012.
  193. "Long Term Outcomes of TIPS" 6<sup>th</sup> Meeting of the Society of Gastrointestinal Interventions (SGI). Seoul, Korea. October 2012

194. "Tour de TIPS" Annual Meeting, British Society of Interventional Radiology (BSIR). Bournemouth, England. November 2012.
195. "Interventional Oncology" Annual Meeting, British Society of Interventional Radiology (BSIR). Bournemouth, England. November 2012.
196. "TACE" Annual Meeting, British Society of Interventional Radiology (BSIR). Bournemouth, England. November 2012.
197. "Uterine Artery Embolization" Annual Meeting, British Society of Interventional Radiology (BSIR). Bournemouth, England. November 2012.
198. "Complex Cases" Annual Meeting, British Society of Interventional Radiology (BSIR). Bournemouth, England. November 2012.
199. "Gastric variceal hemorrhage after failed endoscopic therapy: TIPS" Cardiovascular Interventional Radiology Society of Europe Annual Scientific Meeting. Barcelona, Spain. September 2013.
200. "Publishing Trends, Bibliometrics, Perspectives from the JVIR Editor" Japanese Radiological Society. Yokohama, Japan. April 2014
201. "Tour de TIPS: Topics in Portal Hypertension" Japanese Radiological Society. Yokohama, Japan. April 2014
202. "How to Write a Good Paper – and Get It Published" Japanese Radiological Society. Yokohama, Japan. April 2014
203. "Gastric Varices: TIPS" 11th Asia Pacific Congress of Cardiovascular and Interventional Radiology (APCCVIR 2014). Singapore. May 2014.
204. "TIPS/BRTO/Portal Hypertension Case Based Discussion" 11th Asia Pacific Congress of Cardiovascular and Interventional Radiology (APCCVIR 2014). Singapore. May 2014.
205. "Medical Writing Workshop" 11th Asia Pacific Congress of Cardiovascular and Interventional Radiology (APCCVIR 2014). Singapore. May 2014.
206. "Stent Grafts in Failing Dialysis Access" 11th Asia Pacific Congress of Cardiovascular and Interventional Radiology (APCCVIR 2014). Singapore. May 2014.
207. "Publishing Trends and New Directions" 11th Asia Pacific Congress of Cardiovascular and Interventional Radiology (APCCVIR 2014). Singapore. May 2014.
208. "Draft Papers for Review" 11th Asia Pacific Congress of Cardiovascular and Interventional Radiology (APCCVIR 2014). Singapore. May 2014.
209. "Writing and Original Article: Where DO I Start?" 11th Asia Pacific Congress of Cardiovascular and Interventional Radiology (APCCVIR 2014). Singapore, May 2014.
210. "Complex TIPS: A Tour of Interventions" Sydney Interventional Radiology Society. Sydney, Australia. May 2014.
211. "Tour de TIPS: Evening of Clinical Discussion" Melbourne Interventional Radiology Society. Melbourne, Australia. May 2014.
212. "Stent grafts in Dialysis Grafts and Arteriovenous Fistulae: Review of the Evidence" Cardiovascular and Interventional Radiology Society of Europe Annual Meeting. Glasgow, Scotland. September 2014.
213. "Role of Interventional Radiology in Management of Pancreatitis" 8<sup>th</sup> Meeting of the Society of Gastrointestinal Interventions (SGI). Seoul, Korea. October 2014.
214. "Work Life Balance: How Much Work, How Much Life, How Much Out Of Balance" 8<sup>th</sup> Meeting of the Society of Gastrointestinal Interventions (SGI). Seoul, Korea. October 2014.
215. "Visceral Aneurysms - Clinical Cases & Approaches" GEST Asia. Tokyo, Japan. December 2014.
216. "Embolization of Splenic Injury: Evidence and Technique." Global Embolization Symposium and Technologies / GEST Asia. Tokyo, Japan. December 2014.
217. "Manuscript Preparation and Review with the JVIR Editor." Global Embolization Symposium and Technologies / GEST Asia. Tokyo, Japan. December 2014.
218. "Balloon Angioplasty Is Sufficient Compared with Stent Grafts" Debate, Israeli Vascular Access Society. Tel Aviv, Israel. January 2015.
219. "Splenic embolization to improve liver transplant function" Global Embolization Symposium

- and Technologies / GEST Europe. Seville, Spain. June 2015.
220. "TIPS and BRTO Cases" Global Embolization Symposium and Technologies / GEST Europe. Seville, Spain. June 2015.
  221. "Debate: splenic artery aneurysms – vessel occlusion" Global Embolization Symposium and Technologies / GEST Europe. Seville, Spain. June 2015
  222. "Morbidity and Mortality Embolization Cases" Global Embolization Symposium and Technologies / GEST Europe. Seville, Spain. June 2015
  223. "Revascularization of acute ischemia and thrombo- embolic complications in below-the-knee and visceral arterial circulation utilising Indigo® thromboembolctomy system" Global Embolization Symposium and Technologies / GEST Europe. Seville, Spain. June 2015
  224. "Gastric Varices: Current Role of TIPS" 9<sup>th</sup> Annual Meeting of the Society of Gastrointestinal Intervention (SGI). Seoul, South Korea. October 2015.
  225. "Mentors –How to Meet Them and Keep in Touch" 9<sup>th</sup> Annual Meeting of the Society of Gastrointestinal Intervention (SGI). Seoul, South Korea. October 2015.
  226. "Pancreatic Necrosectomy: Radiologist's Point of View " 9<sup>th</sup> Annual Meeting of the Society of Gastrointestinal Intervention (SGI). Seoul, South Korea. October 2015.
  227. "Clinical Evidence Update in Transjugular Intrahepatic Portosystemic Shunts" No.1 Hosp. Affiliated to China Medical University. Shenyang, China. October 2015.
  228. "Complex Cases in Portal Hypertension and TIPS" No.1 Hosp. Affiliated to China Medical University. Shenyang, China. October 2015.
  229. "Stent Graft Implantation" No.1 Hosp. Affiliated to China Medical University. Shenyang, China. October 2015.
  230. "Clinical Evidence Update in Transjugular Intrahepatic Portosystemic Shunts" Department of Interventional Radiology, Zhejiang tumor hospital, Hangzhou, China. October 2015.
  231. "Complex Cases in Portal Hypertension and TIPS" Department of Interventional Radiology, Zhejiang tumor hospital, Hangzhou, China. October 2015.
  232. "Stent Graft Implantation" Department of *Interventional Radiology*, Zhejiang tumor hospital, Hangzhou, China. October 2015.
  233. "How to Get Your Paper Published" Xi Jing Hospital, Xian, China. October 2015.
  234. "Complex Cases in Portal Hypertension and TIPS" Xi Jing Hospital, Xian, China. October 2015.
  235. "Clinical Evidence Update in Transjugular Intrahepatic Portosystemic Shunts" Xi Jing Hospital, Xian, China. October 2015.
  236. "Stent Graft Implantation" Xi Jing Hospital, Xian, China. October 2015.
  237. "Clinical Evidence Update in Transjugular Intrahepatic Portosystemic Shunts" Beijing Portal Hypertension Symposium Stent Graft Launch. Beijing, China. October 2015.
  238. "Complex Cases in Portal Hypertension and TIPS" Beijing Portal Hypertension Symposium Stent Graft Launch. Beijing, China. October 2015.
  239. "Stent Graft Implantation" Beijing Portal Hypertension Symposium Stent Graft Launch. Beijing, China. October 2015.
  240. "Portal Hypertension: Case Based Conversation" 12<sup>th</sup> Asia-Pacific Congress of Cardiovascular and Interventional Radiology (APCCVIR). Suzhou, China. April 2016.
  241. "An Approach to Portal Vein Thrombosis" 12<sup>th</sup> Asia-Pacific Congress of Cardiovascular and Interventional Radiology (APCCVIR). Suzhou, China. April 2016.
  242. "How To Successfully Get Published (in *JVIR*)" 12<sup>th</sup> Asia-Pacific Congress of Cardiovascular and Interventional Radiology (APCCVIR). Suzhou, China. April 2016.
  243. "Interventional Management of Enterocutaneous Fistulae" 12<sup>th</sup> Asia-Pacific Congress of Cardiovascular and Interventional Radiology (APCCVIR). Suzhou, China. April 2016.
  244. "*JVIR* Update: Insights into the Status of the Journal" 12<sup>th</sup> Asia-Pacific Congress of Cardiovascular and Interventional Radiology (APCCVIR). Suzhou, China. April 2016.
  245. "All about TIPS" Canadian Interventional Radiology Association (CIRA) Annual Scientific Meeting. Niagara Falls Ontario. June 2016.
  246. "Cases I Wish I Hadn't Done" Canadian Interventional Radiology Association (CIRA) Annual

- Scientific Meeting. Niagara Falls Ontario. June 2016.
247. "Past Present and Future of the SGI" Annual Scientific Meeting. Society of Gastrointestinal Intervention. Seoul, Korea. October 2016.
  248. "Management of GI Fistulae" Global Embolization Symposium and Technologies. Florence Italy. May 2017.
  249. "Meta-Analysis and systematic review of PAE" Global Embolization Symposium and Technologies. Florence Italy. May 2017.
  250. "Catheter Directed Therapies for Pulmonary Embolism" Asia Pacific Clinical Intervention Oncology (APCIO2017). New Delhi, India. August 2017.
  251. "Editor's Perspective on Trends in Scientific Publishing" Asia Pacific Clinical Intervention Oncology (APCIO2017). New Delhi, India. August 2017.
  251. "Drug Eluting Embolics vs Conventional TACE: Can we Distinguish Them" Asia Pacific Clinical Intervention Oncology (APCIO2017). New Delhi, India. August 2017.
  252. "Interventions in Superior Vena Cava Syndrome" Asia Pacific Society of Cardiovascular and Interventional Radiology (APSCVIR 2018). Auckland New Zealand.
  253. "Transjugular Intrahepatic Portosystemic Shunts: Indications and Results" Asia Pacific Society of Cardiovascular and Interventional Radiology (APSCVIR 2018). Auckland New Zealand.
  254. "Top Tips for Getting Your Paper Published" Asia Pacific Society of Cardiovascular and Interventional Radiology (APSCVIR 2018). Auckland New Zealand.
  256. "Interventional Treatment of Enterocutaneous Fistulae" Asia Pacific Society of Cardiovascular and Interventional Radiology (APSCVIR 2018). Auckland New Zealand.
  257. "Stent Grafts in Hemodialysis Access" Asia Pacific Society of Cardiovascular and Interventional Radiology (APSCVIR 2018). Auckland New Zealand.
  258. "Using Lymphangiography to Treat Abdominal Lymphatic Leaks and Lymphoceles" 1<sup>st</sup> Taiwanese Society of Interventional Radiology Annual Meeting. Taipei Taiwan. October 2018.
  259. "Writing a Medical Manuscript: Editor's Perspective" 1<sup>st</sup> Taiwanese Society of Interventional Radiology Annual Meeting. Taipei Taiwan. October 2018.
  260. "The Indications and Guidelines of TIPS" 1<sup>st</sup> Taiwanese Society of Interventional Radiology Annual Meeting. Taipei Taiwan. October 2018.
  261. "The Future of IR" Asia Pacific Society of Cardiovascular and Interventional Radiology Annual Scientific Meeting (APSCVIR). Indonesia. February 2019.
  262. "Extreme TIPS" Asia Pacific Society of Cardiovascular and Interventional Radiology Annual Scientific Meeting (APSCVIR). Indonesia. February 2019.
  263. "The Role of Virtual Reality in IR Training" Asia Pacific Society of Cardiovascular and Interventional Radiology Annual Scientific Meeting (APSCVIR). Indonesia. February 2019.
  264. "Editor's Manuscript Writing Seminar" Asia Pacific Society of Cardiovascular and Interventional Radiology Annual Scientific Meeting (APSCVIR). Indonesia. February 2019.
  265. "Top Five Papers from Recent JVIR That You Should Read" Asia Pacific Society of Cardiovascular and Interventional Radiology Annual Scientific Meeting (APSCVIR). Indonesia. February 2019.
  266. "TIPS Update 2019" Asia Pacific Society of Cardiovascular and Interventional Radiology Annual Scientific Meeting (APSCVIR). Indonesia. February 2019.
  267. "Extreme Portal Hypertension- Success" Pan Arabic Interventional Radiology Society Annual Scientific Meeting (PAIRS). Dubai, UAE. February 2019.
  268. "Lymphangiographic Management of Lymphatic Leaks in the Abdomen and Pelvis" Pan Arabic Interventional Radiology Society Annual Scientific Meeting (PAIRS). Dubai, UAE. February 2019.
  269. "Adjusting Your TIPS: Optimizing Diameter to Outcomes" Pan Arabic Interventional Radiology Society Annual Scientific Meeting (PAIRS). Dubai, UAE. February 2019.
  270. "Stent Choices in the AV Access Circuit" Pan Arabic Interventional Radiology Society Annual Scientific Meeting (PAIRS). Dubai, UAE. February 2019.

271. "Optimizing Liquid Embolics for Visceral Embolization" Pan Arabic Interventional Radiology Society Annual Scientific Meeting (PAIRS). Dubai, UAE. February 2019.
272. "Pre-TIPS evaluation and patient selection criteria" Beijing, China May 2019.
273. "Evidence of Early TIPS - Worth Considering" Beijing, China May 2019.
  
274. "Modern Approaches to Gastric Varices: Evidence for TIPS with BRTO" Beijing, China May 2019.
275. "Outcomes for TIPS and what does Early TIPS tell us about proper patient selection" Nafang Hospital. Guangzhou, China. May 2019.
276. "TIPS in the treatment of portal hypertension by SOS (sinusoidal obstruction syndrome)" Nanjing Drum Tower Hospital. Nanjing, China. May 2019.
277. "An update on TIPS: What New in 2019 - What are Outcomes telling us?" Keynote Speech. Nanjing GI & Endoscopy Forum. Nanjing China. May 2019.
278. "Modern Approaches to Gastric Varices: Evidence for TIPS with BRTO" Keynote. Speech. Nanjing GI & Endoscopy Forum. Nanjing China. May 2019.
279. "Virtual Reality in IR Training" Cardiovascular and Interventional Radiology Society of Europe Annual Scientific Meeting. Barcelona Spain. September 2019.
280. "Virtual reality and interventional radiology" Cardiovascular and Interventional Radiology Society of Europe Annual Scientific Meeting. Barcelona Spain. September 2019.
281. "Publish or vanish... and a few tips on how to get that paper accepted" Cardiovascular and Interventional Radiology Society of Europe Annual Scientific Meeting. Barcelona, Spain. September 2019.
282. "Invasive Therapies in Portal Vein Thrombosis" 8th International Symposium on Coagulation in Liver Disease. University Medical Center Groningen. Groningen, The Netherlands. September 2019.

### **Visiting Professorships**

1. Visiting Professor. Department of Radiology and Faculty of Medicine University of Indonesia. Rumah Sakit Umum Pusat Dr. Cipto Mangunkusumo Hospital. September, 1995
2. John Juhl Visiting Professor. Department of Radiology. University of Wisconsin-Madison Medical School. Madison WI. January, 1998
3. Visiting Professor. Department of Radiology. Indiana University. Indianapolis IN. January, 1998
4. Visiting Professor. Department of Radiology. Albany Medical College. Albany NY. March, 1998
5. Visiting Professor. Department of Radiology. University of Virginia. Charlottesville VA. April, 2000
6. Visiting Professor. Department of Radiology. Cornell-Weill College of Medicine, New York Hospital New York NY. October, 2000
7. Visiting Professor. Department of Cardiology. Metro Hospital. New Delhi, India. March, 2000
8. Visiting Professor. Department of Radiology. Apollo Hospital. Hyderabad, India. March, 2000
9. Visiting Professor. Department of Radiology. University of Florida. Gainesville, Florida August, 2000
10. Visiting Professor, Department of Radiology. Long Island Jewish Medical Center. Albert Einstein School of Medicine. New Hyde Park, NY. May, 2002
11. Visiting Professor, Department of Radiology. Army Hospital: Research and Referral. New Delhi, India. October, 2003
12. Visiting Professor, Department of Gastroenterology. Sir Ganga Ram Hospital. New Delhi, India October, 2003
13. Visiting Professor, Department of Radiology. Vadamalayan Hospital. Madurai (Tamil Nadu), India. October, 2003

14. Visiting Professor, Department of Radiology. Asan Medical Center. Seoul, Republic of Korea. October, 2003
15. Visiting Professor, Boston University Medical School. Boston MA. February, 2007
16. Visiting Professor, Dalhousie University. Halifax, Nova Scotia. May, 2008
17. Visiting Professor and Expert, Health Manpower Development Plan. Singapore Ministry of Health. Singapore. December 2008 (Invited Expert by Minister of Health to review the state of Interventional Radiology in the country of Singapore. Prepared detailed report delivered to Singaporean Government)
18. Visiting Professor. Columbia University College of Physicians and Surgeons. New York NY. March, 2010
19. Visiting Professor. Massachusetts General Hospital. Boston, MA. December 2010
20. Visiting Professor. Brigham and Women's Hospital. Boston, MA. December 2010
21. Visiting Professor. University of Toronto. Toronto Canada. January 2011
22. Visiting Professor. McMaster University. Hamilton Canada. January 2011
23. Visiting Professor. University of British Columbia. Vancouver B.C. June 2011
24. Visiting Professor. Lahey Clinic. Wellesley MA. April 2012
25. Visiting Professor. Xi Jing Hospital, Xian, China, October 2015
26. Visiting Professor. Zhejiang tumor hospital, Hangzhou, China. October 2015
27. Visiting Professor. No.1 Hosp. Affiliated to China Medical University. Shenyang, China. October 2015
28. Visiting Professor. Cleveland Clinic Foundation. Cleveland OH. March 2017.
29. Visiting Professor. Guangzhou Nanfang Hospital. Guangzhou China. May 2019.