

CURRICULUM VITAE

JON C. DAVIDSON, M.D.
5760 West Mill Road
Broadview Heights, OH 44147

DATE OF BIRTH: January 26, 1970

PLACE OF BIRTH: Pittsburgh, Pennsylvania

MARITAL STATUS: Married

EDUCATION:

Sept 1991 – Jefferson Medical College
Jun 1995 Philadelphia PA, M.D. Degree

Aug 1987 - Pennsylvania State University
May 1991 University Park, PA, BS Degree

WORK EXPERIENCE:

Feb 2011 – University Hospitals Case Medical Center
Nov 2012 Interim Section Chief
Section of Vascular & Interventional Radiology

Jan 2009 – University Hospitals Case Medical Center
Present Staff Radiologist
Section of Vascular & Interventional Radiology

Dec 2002 – Cleveland Clinic Foundation
Dec 2008 Staff Radiologist
Section of Vascular & Interventional Radiology

APPOINTMENTS:

July 2009 – University Hospitals Case Medical Center
Present Vascular and Interventional Fellowship Director

2016 - University Hospitals Case Medical Center
Present Digestive Health Institute (DHI) Member

COMMITTEES:

December 2015 – Present	UH H-HVI Aortic Center
2015 – Present	American Board of Radiology IR/DR Oral Content Development Committee
August 2012 – Present	University Hospitals Case Medical Center Department of Radiology Promotions Committee
Sept 2011 - Present	Radiologic Society of North America
July 2010 – Present	University Hospitals Case Medical Center Department of Radiology Advisory Committee
July 2010 – Present	Case Western Reserve School of Medicine Admissions Committee
March 2010 – Present	Society of Interventional Radiology Standards of Practice Committee
March 2010 – Present	Society of Interventional Radiology Technology Assessment Committee
Oct 2009 – Present	American Program Directors of Interventional Radiology Interventional Radiology Curriculum Committee
Jan 2009 – 2011	University Hospitals Case Medical Center Department of Radiology Education Committee
October 2009 - Present	Reviewer for JVIR
March 2010 - Present	Society of Interventional Radiology Abstract Reviewer

RESIDENCIES:

July 2002 - Dec 2002	Cleveland Clinic Foundation Clinical Scholar, Vascular Interventional Radiology Department of Radiology
July 2001 – Jun 2002	Cleveland Clinic Foundation Fellow, Vascular and Interventional Radiology Department of Radiology
Jul 1997 – Jun 2001	Cleveland Clinic Foundation Resident, Diagnostic Radiology Department of Radiology
July 1995 - Jun 1997	Cleveland Clinic Foundation Residency, General Surgery Included 7 months of vascular surgery

CERTIFICATIONS:

2001	Diplomate, American Board of Radiology.
2002	USMLE Completed
2004	Certificate of Added Qualifications, Vascular and Interventional Radiology, American Board of Radiology Qualifications

MEDICAL LICENSURE:

2002	Ohio # 35-082066D
2005	New York # 5626251
2005	Tennessee # MD0000040203
2005	Michigan # 4301086688
2007	Pennsylvania # MD431872
2007	Idaho # M-10081

RESEARCH

- A.** Principal Investigator - IRB7726: Clinical Protocol for Post Market Evaluation of Akonya Eliminator
- B.** Co-Investigator – IRB# 6052 Protocol DXV 303: A Phase 3, open-label, multicentre study of efficacy and safety of Visipaque (Iodixanol) in subjects with suspected peripheral arterial occlusive disease undergoing intravenous contrast-enhanced computed tomographic angiography.
- C.** Co-Investigator – IRB# 5938. Randomized, multi-center open label study of the safety (open-label) and efficacy(open-label & blinded reader) of Magnevist injection-enhanced magnetic resonance arteriography (MRA) at two dose levels and 2-dimensional-time-of-flight (2D-TOF) MRA in patients

undergoing MRA of the infrarenal aorta and peripheral arteries with intra-arterial subtraction angiography (i.e. DSA) as standard of reference. Closed 5/28/04.

- D.** Co-Investigator – Study title: IRB 5835 Evaluation of the Zilver Vascular Stent in the Iliac Arteries.
- E.** Co-Investigator - IRB 6311 A Prospective, Non-Randomized Evaluation of the Embolic Pearls (Concentric Medical, Inc.). Closed 5/28/04.
- F.** Co-Investigator - IRB 7006 The PROOF Study. The Cordis PROtection from Pulmonary Embolism with the Permanent Opt Ease Filter –Post Marketing Surveillance Study.
- G.** Co-Investigator - IRB6576 A Phase 3, Open-Label, Multicentre Study to Determine Efficacy and Safety of VISIPAQUE (Iodixanol) Injection for Use IN Intravenous Contrast-Enhanced CT Angiography of Abdominal Visceral Vessels.
- H.** Co-Investigator - RB5565 Study title: BRAVO: Beta Radiation for Treatment of Arterial-Venous Graft Outflow. Closed 5/28/04.
- I.** PI Predicting the Safety and Effectiveness of Inferior Vena Cava Filters (PRESERVE) IRB #03-15-53 (2016)
- J.** Co-Investigator Retrospective Study on Safety and Efficacy of FISH closure device IRB #06-15-38 (2016)
- K.** CO-Investigator Interventional Management of Hepatic Malignancies IRB #11-14-38 (2016)
- L.** CO-Investigator The Association between the “bovine arch” and aortic disease IRB # 10-13-33 (2016)
- M.** CO-Investigator The clinical significance of pulse volume recording in vascular surgery practice IRB # 12-11-20. (2016)

PUBLICATIONS:

- A.** Feasibility of Instructing Radiologic Technologists in the Performance of Gastrointestinal Fluoroscopy. **Davidson J**, Einstein D, Baker M, Herts B, Remer E, Kolonick R, Doinoff C, Lieber M. American Journal of Radiology 2000; 175: 1449 -1452.

- B.** Comparison of Two Barium Suspensions for Dedicated Small-Bowel Series. **Davidson J**, Einstein D, Herts B, Balfe D, Koehler R, Morgan D, Lieber M, Baker M. American Journal of Radiology 1999; 172: 379 – 382.
- C.** Subcutaneous implantable venous access device (IVAD) erosion through the skin in patients treated with anti-vascular endothelial growth factor (VEGF) therapy: A case series. Almhanna K, Pelley R, Budd G, **Davidson J**, Moore H. Anti-Cancer Drugs (accepted 2007).
- D.** “Effect of Time to Intervention on outcome of image guided percutaneous thrombectomy in the setting of clotted surgical dialysis access sites” **Davidson, J**, JVIR (awaiting publication)
- E.** “Quality improvement guidelines for the performance of inferior vena cava filter placement for the prevention of pulmonary embolism”. **Davidson, J**, JVIR 2011 Nov, 22(11): 1499-506. Epub 2011 Sep 3.
- F.** “Quality improvement guidelines for recording patient radiation dose in the medical record for fluoroscopically guided procedures.” Miller DL(1), Balter S, Dixon RG, Nikolic B, Bartal G, Cardella JF, Dauer LT, Stecker MS; Society of Interventional Radiology Standards of Practice Committee. Collaborators: Dixon G, Nikolic B, Cardella JF, Angle J, Brown DB, Chao CP, Cohen AM, Dariushia SR, **Davidson JC**, d'Othee B, Duncan JR, Ganguli S, Gross K, Larsen D, Nemcek AA Jr, Oteham A, Pavlicek W, Schueler B, Statler JD, Suri R, Thornton R, Towbin R, Wagner LK, Wasler EM, Wojak J, Zuckerman DA. 2012 Jan;23 PMID: 22057151
- G.** “Consensus guidelines for pre-procedure management of coagulation status and hemostasis MSK in percutaneous image guided interventions”. **Davidson, J**, JVIR (accepted 3/2012)
- H.** “Quality improvement guidelines for recording patient radiation dose in the medical record for fluoroscopically guided procedures. **Davidson, J**, JVIR 2012 Jan; 23(1):11-8.
- H.** Consensus guidelines for periprocedural management of coagulation status and hemostasis risk in percutaneous image-guided interventions. Patel IJ, **Davidson JC**, Nikolic B, Salazar GM, Schwartzberg MS, Walker TG, Saad WA; Standards of Practice Committee, with Cardiovascular and Interventional Radiological Society of Europe (CIRSE) Endorsement. J Vasc Interv Radiol. 2012 Jun;23(6):727-36. doi: 1016/j.jvir.2012.02.012. Epub 2012 Apr 17. Review.
- N.** Patel IJ, **Davidson JC**, Nikolic B, Salazar GM, Schwartzberg MS, Walker TG, Saad WE; Standards of Practice Committee, with Cardiovascular and Interventional Radiological Society of Europe (CIRSE) Endorsement. J Vasc Interv Radiol. 2013 May;24(5):641-5. doi: 0.1016/j.jvir.2012.12.007. No abstract available. PMID: 23622037 [PubMed - in process]

- O.** “Quality improvement guidelines for vascular access and closure device use.” Sheth RA(1), Walker TG(1), Saad WE(2), Dariushnia SR(3), Ganguli S(1), Hogan MJ(4), Hohenwalter EJ(5), Kalva SP(6), Rajan DK(7), Stokes LS(8), Zuckerman DA(9), Nikolic B(10); Society of Interventional Radiology Standards of Practice Committee. Collaborators: Angle JF, Annamalai G, Arellano RS, Athreya S, Baerlocher M, Balter S, Baskin KM, Brown DB, Caplin DM, Clark TW, **Davidson JC**, d’Othee J, Eyheremendy EP, Goldberg SN, Itkin M, Khan AA, Kim HS, Krishnamurthy V, Lee CE, Mahajan A, Malloy P, Salazar GM, McGraw JK, Miller DL, Meyers PM, Osnis RB, Owens CA, Postoak D, Pua U, Roberts AC, Rose SC, Saad N, Sabharwal T, Sapoval MR, Saiter CK, Schwartzberg MS, Shah SS, Siddiqi NH, Smith TP, Sofocleous CT, Stone JR, Suri R, Swan TL, Thornton RH, Thorpe PE, Towbin R, Venkatesan A, Wojak JC, Lewis CA, Sacks D. 2014 Jan;25 PMID: 24209907
- P.** Bhojwani N, Hartman JB, Ahmed M, Morgan R, **Davidson JC**. Management of Ureteral Obstruction in Crossed Fused Renal Ectopia: A case report. *Can Urol Assoc J*. 2014 Sep;8(9-10):E752-E754
- Q.** “Quality improvement guidelines for diagnostic arteriography.” Dariushnia SR(1), Gill AE(2), Martin LG(2), Saad WE(3), Baskin KM(4), Caplin DM(5), Kalva SP(6), Hogan MJ(7), Midia M(8), Siddiqi NH(9), Walker TG(10), Nikolic B(11); Society of Interventional Radiology Standards of Practice Committee. Collaborators: Dariushnia SR, Saad WE, Nikolic B, Angle J, Annamalai G, Arellano RS, Athreya S, Baerlocher MO, Balter S, Brown DB, Chao CP, **Davidson JC**, d’Othee B, Ganguli S, Hogan MJ, Hohenwalter EJ, Khan AA, Kim HS, Krishnamurthy V, Lee CE, Salazar GM, McGraw J, Owens CA, Roberts AC, Rose SC, Saad N, Sabharwal T, Sapoval MR, Saiter CK, Shah SS, Smith TP, Sofocleous CT, Stokes L, Stone JR, Suri R, Swan TL, Thornton RH, Towbin R, Turba UC, Venkatesan A, Wojak JC. 2014 Dec;25 PMID: 25241301
- R.** Ultrasound-guided Transcutaneous Embolization of Uterine Arteriovenous Fistula Performed for Treatment of Symptomatic, Heavy Vaginal Bleeding: Case Report with Brief Review of Literature, 2015. Ahmed Y, **Davidson JC**, Azar N
- S.** “Quality Improvement Guidelines for Transjugular Intrahepatic Portosystemic Shunts.” Dariushnia SR(1), Haskal ZJ(2), Midia M(3), Martin LG(4), Walker TG(5), Kalva SP(6), Clark TW(7), Ganguli S(8), Krishnamurthy V(9), Saiter CK(10), NikolicB(11); Society of Interventional Radiology Standards of Practice Committee. Collaborators: Aeron G, Angle JF, Annamalai G, Arellano R, Athreya S, Baerlocher MO, Balter S, Baskin K, Brennan I, Brook O, Brown DB, Caplin D, Censullo M, Chamsuddin A, Chao C, Dagli MS, **Davidson J**, Devane A, Eyheremendy E, Fintelmann F, Gemmete J, Gendel V, Gould J, Graham T, Hancock J, Hogan M, Hohenwalter E, d’Othee BJ, Khan A, Kim HS, Kohi MP, Lee C,

Mani NB, Martinez-Salazar G, McGraw JK, Meyers P, Miller DL, Mitchell JW, Morris C, Patel I, Pillai A, Pua U, Redstone E, Roberts AC, Sabharwal T, Sapoval M, Schiro BJ, Shah S, Shyn P, Padia SA, Siddiqi N, Silberzweig JE, Stokes L, Suri R, Swan T, Turba U, Venkatesan A, Weinstein JL, Wojak JC. 2016 Jan;27 PMID: 26614596

- T. "Quality Improvement Guidelines for Percutaneous Nephrostomy." Pabon-Ramos WM(1), Dariushnia SR(2), Walker TG(3), d'Othée BJ(4), Ganguli S(5), Midia M(6), Siddiqi N(7), Kalva SP(8), Nikolic B(9); Society of Interventional Radiology Standards of Practice Committee. Collaborators: Aeron G, Angle JF, Annamalai G, Arellano R, Athreya S, Baerlocher M, Balter S, Baskin K, Brennan I, Brook O, Brown D, Caplin D, Censullo M, Chamsuddin A, Chao C, Dagli MS, **Davidson J**, Devane A, Eyheremendy E, Fintelmann F, Gemmete J, Gendel V, Gould J, Graham T, Hancock J, Hogan M, Hohenwalter E, d'Othee BJ, Khan A, Kim HK, Kohi MP, Krishnamurthy V, Lee C, Mani NB, Martinez-Salazar G, McGraw JK, Meyers P, Miller D, Mitchell JW, Morris C, Patel I, Pillai A, Pua U, Redstone E, Roberts A, Sabharwal T, Sapoval M, Schiro BJ, Shah S, Shyn P, Siddharth P, Siddiqi N, Silberzweig JE, Stokes L, Suri R, Swan T, Turba U, Venkatesan A, Weinstein JL, Wojak J. 2016 Mar;27 PMID: 26803576
- U. "Implications and limitations of the PREPIC2 study-the interventionist's perspective." Partovi S(1), Davidson JC(1), Patel IJ(1). (1)Department of Radiology, Section of Vascular & Interventional Radiology, University Hospitals Case Medical Center, Case Western Reserve University, Cleveland, OH 44106, USA. 2016 Jun;6 PMID: 27280089
- V. "Quality improvement guidelines for percutaneous management of acute lower-extremity ischemia." Patel NH1, Krishnamurthy VN, Kim S, Saad WE, Ganguli S, Walker TG, Nikolic B; CIRSE and SIR Standards of Practice Committees. Collaborators: (26) Dariushnia SR, Angle JF, Brown DB, Chan D, **Davidson JC**, d'Othee BJ, Itkin M, Kalva SP, Khan AA, Kim HS, Martinez-Salazar GM, Postoak D, Sabharwal T, Saiter CK, Schwartzberg MS, Shah SS, Siddiqi NH, Sofocleous CT, Stokes L, Suri R, Swan TL, Thorpe PE, Towbin R, Venkatesan A, Wojak J, Zuckerman DA. 2013 Jan;24 PMID: 23273693

ORAL ABSTRACTS:

- A. Effectiveness of Simulation-based IVC Filter Placement Training for Radiology Residents: A Pilot Study. Ji Y. Buethe MD, Nicholas L. Fulton MD, Daniel B. Gans MD, Stephen E. Dreyer MD, **Jon Davidson MD**, Mark R. Robbin MD. RNSA 2014, Chicago, Illinois.

- B. *The Radiologist Is in, but Was It Worth the Wait? Radiology Resident Note Quality in an Outpatient Interventional CT and US Clinic. Oral Presentation.* Salim Abboud, MD; Stephanie Soriano, MD; Indravadan Patel, MD; **Jon Davidson, MD**; Nami Azar, MD; Dean Nakamoto, MD. Association of University Radiologists 2016 Annual Meeting, March 31, 2016, San Diego, CA, USA.
- C. A multi-institutional electronic medical record database analysis of the effectiveness of antibiotic prophylaxis for tunneled central venous catheters and chest ports. Distinguished abstract. S. Soriano, S. Abboud, I. Patel, **J. Davidson**. SIR meeting April 6, 2016, Vancouver, British Columbia, Canada.
- D. A multi-institutional electronic medical record database analysis of the effectiveness of antibiotic prophylaxis for tunneled central venous catheters and chest ports. S. Soriano, S. Abboud, I. Patel, **J. Davidson** Oral Presentation at SIR 2016 4/5/2016 Vancouver, BC.

BOOK CHAPTERS:

- A. Shiraz Rahim, Indravadan J. Patel, and Jon C. Davidson, Percutaneous Image-Guided Interventions Including Solid Organ Biopsies, In: Management of Bleeding Patients, Teruya, Jun (Ed.), Springer Publishing, 2016.

PRESENTATIONS:

- A. **Davidson J.** Percutaneous Vertebroplasty. 5th Annual Great Lakes Interventional Conference. Ypsilanti, Michigan, September 23-24, 2005
- B. **Davidson J.** Workshop Leader Percutaneous Vertebroplasty, Society of Interventional Radiology Annual Meeting. Seattle, Washington, March 2006
- C. **Davidson J.** Venous Access for the Home Infusion Patient. 6th Sixth Annual Great Lakes Interventional Conference, Ypsilanti, Michigan, April 27-28, 2007.
- D. **Davidson J.** Treatments for Uterine Fibroids. Presented at UH Sponsored Seminar, “**Fibroid Treatment Options**” Marriott East, Warrensville Heights, Ohio, October 13, 2009
- E. **Davidson J.** Targeted Uterine Fibroid Embolization. UH OB/GYN Grand Rounds, Cleveland, Ohio, September 11, 2009
- F. **Davidson J.** Uterine Fibroid Embolization: Indications, Contraindications and New Applications. Family Practice Grand Rounds, Cleveland, Ohio, October 7, 2010

- G. Davidson J.** Beyond X-Rays: Advances in Radiology. BioMed Tech Series. Great Lakes Science Center, Cleveland, Ohio June 12, 2010
- H. Davidson J.** Uterine Artery Embolization and Gynecologic Embolotherapy. Cleveland Society of OB/GYN, Cleveland, Ohio January 19, 2011
- I. Davidson, J.** An Interventional Radiology Approach to Venous Thrombolysis,
- J. Davidson J.** Treatments for Uterine Fibroids. Presented at UH Sponsored Seminar, “**Fibroid Treatment Options**” Corporate College, Beachwood, Ohio, May 23, 2012
- K. Davidson J.** “Cross-sectional Extra-cranial Vascular Imaging: CTA vs MRA” Vascular Surgery UHCCMC, Cleveland, Ohio, April 30, 2014
- L. Davidson J.** “Interventional Radiology in Women’s Health” OB/GYN Grand Rounds UHCCMC, Cleveland, Ohio, March 12, 2014
- M. Davidson J.** “CT vs. MRA in abdominal vasculature” 5th Annual Update in Vascular Disease, UHCCMC, Cleveland, Ohio April 5, 2014
- N. Davidson J.** “Effectiveness of Simulation-based IVC Filter Placement Training for Radiology Residents: A Pilot Study” RSNA, Chicago, IL December 1, 2014
- O. Davidson, J.** “Interventional Radiology Treatments for Liver Tumors” Radiology Grand Rounds, University Hospitals Case Medical Center. March 22, 2016.
- P. Davidson, J.** “Vascular Access: Basic techniques, pitfalls, and complications” Ohio Radiology Nurses Association Akron, OH 4/23/2016
- Q. Davidson, J.** The Maimed Kidney: When is Endovascular Treatment Appropriate, and How? GEST (Global Embolization Cancer Symposium Technologies) 2016 New York, New York 5/5/2016
- R. Davidson, J.** Diagnostic yield of repeat catheter angiography for gastrointestinal bleeding without other interval imaging or endoscopic evaluation Salim Abboud, MD; Stephanie Soriano, MD; Sasan Partovi, MD; Henry Woods, MD; Indravadan Patel, MD; Jon Davidson, MD GEST 2016 New York, New York 5/2016
- S. Davidson, J.** “Interventional Radiology Treatments for Liver Tumors” Radiation Oncology Grand Rounds, University Hospitals Case Medical Center. May 31, 2016.

- T. Davidson, J.** “Locoregional Therapies for Liver Tumors” University Hospitals Medical Oncology Grand Rounds. August 10, 2016
- U. Davidson, J.** “CTA Techniques, 3D and Other Advanced Vascular Imaging” Vascular Surgery Conference, University Hospitals, Case Medical Center. August 24, 2016.

INTERNATIONAL PRESENTATIONS

- A. Davidson, J.** “Locoregional Treatments for Liver Tumors: Experiences from the US” 2016 Meeting of Minimally Invasive Tumor Treatments Zigong, Sichuan, China. August 20, 2016
- B. Davidson, J.** “IR Liver Directed Therapies-Latest Developments” 2016 Meeting of Minimally Invasive Tumor Treatments Zigong, Sichuan, China. August 20, 2016

MISCELLANEOUS:

- C.** Case Western Reserve School of Medicine, Faculty Facilitator Case Inquiry. Small Group Sessions, November 8 – December 10, 2010
- D.** University Hospital Case Medical Center, Radiology Faculty Preceptor for the Radiology Assistant Program, 2012 – Present
- E.** Faculty sponsor for Case Western School of Medicine Interventional Radiology Interest Group 2012-Present
- F.** Faculty sponsor for Padua Franciscan High School MedTrack Program Summer of 2014.
- G.** Named 2015 Best Doctors in America ® list in Vascular & Interventional Radiology
- H.** Named one of Cleveland’s Top Doctors in the August 2015 issue of Cleveland Magazine.
- I.** Named 2016 Best Doctors in America ® list in Vascular & Interventional Radiology
- J.** Named one of Cleveland’s Top Doctors in the August 2016 issue of Cleveland Magazine.

CONTINUING MEDICAL EDUCATION:

Interventional Neuroradiology, Univ. of Maryland Med Center. Vertebroplasty: A Hands-On-Course, Baltimore, MD, 5/31-6/1/03, 8 hours, Category 1

ISET 2004, International Symposium on Endovascular Therapy, Miami Beach, FL, 1/25-29/04, 43.25 hours, Category 1

2005 Society of Interventional Radiologists 30th Annual Scientific Meeting, New Orleans, LA, 4/2-4/05, 8 hours, Category 1

5th Annual Great Lakes Interventional Conference, William Beaumont Hospital, Ypsilanti, MI, 9/23-24/05, 8 hours Category 1

Sepsis: Diagnosis and Management, CME Resource, Cleveland, OH, 10/4/06, 3 hours, Category 1

Families of Chronically Ill Patients, CME Resource, Cleveland, OH, 10/4/06, 5 hours, Category 1

Pain Management, Palliative Care and Treatment of the Terminally Ill, CME Resource, Cleveland, OH, 10/4/06, 15 hours, Category 1

Alzheimer's Disease: A Review for Physicians, CME Resource, Cleveland, OH, 10/4/06, 15 hours, Category 1

What Healthcare Professionals Should Know about Exercise, CME Resource, Cleveland, OH, 12/4/06, 5 hours, Category 1

A Review of Interventional Radiology, CME Resource, Cleveland, OH, 12/4/06, 10 hours, Category 1

Clinical Management of Patients with Ventricular Arrhythmias, CME Resource, Cleveland, OH, 12/4/06, 15 hours, Category 1

Antibiotics Review, CME Resource, Cleveland, OH, 12/5/06, 5 hours, Category 1

Influenza: A Comprehensive Review, CME Resource, Cleveland, OH, 12/5/06, 10 hours, Category 1

Society of Interventional Radiologists 32nd Annual Scientific Meeting, Seattle, WA, March 1-6, 2007, 35 hours, Category 1

JCAHO Survey RFI Response: Doing the Right Thing for our Patients: General Session, Cleveland, Ohio, March 31, 2007, 1 hour, Category 1

ACLS Refresher Course, Cleveland, Ohio, March 12, 2008, 8 hours, Category 1

SIR 33rd Annual Scientific Meeting, Washington DC, March 15-20, 2008, 11 hours, Category 1

InforMed PA Physician Update: Patient Safety and Risk Management, September 25, 2008, 12 hours, Category 1

7th Annual Great Lakes Interventional Conference, Ypsilanti, MI, September 12, 2008, 9 hours, Category 1

Global Embolization Symposium & Technologies, San Francisco, CA, May 5-9, 2010, 9.5 hours, Category 1

Society of Interventional Radiologists 40th Annual Scientific Meeting, New Orleans, LA, April 13, 2013, 12 hours, Category 1

Updated – 12/21/2009
Updated – 11/16/2010
Update – 10/5/2011
Updated – 11/30/11
Updated – 7/11/2013 jmd
Updated – 12/9/2014 jmd
Updated – 12/31/14 jmd
Updated - 7/29/2015
Updated - 8/04/2015 LM
Updated - 5/09/2016 LM
Updated – 8/5/2016 LM
Updated - 8/25/2016 LM