

CURRICULUM VITAE
Christopher Hannegan, MD

Contact Information

hannegac@musc.edu

25 Courtenay Drive, MSC 226
Charleston, SC 29401

Work telephone: 843.876.5556

Work FAX: 843.876.4976

Education

<u>INSTITUTION</u>	<u>YEARS ATTENDED</u>	<u>DEGREE</u>	<u>DATE</u>
Clemson University	1978-82	B.S.	1982
Medical Univ of SC	1991-95	M.D.	1995

Residencies or Post Doctoral Training

<u>INSTITUTION</u>	<u>TRAINING</u>	<u>YEARS</u>
Univ of Rochester-Strong Mem.	Diagnostic Radiology	1995-99
Univ of Rochester-Strong Mem.	Angio/Interventional Flwshp	1999-2000

Board Certification

Diagnostic Radiology, American Board of Radiology, May 1999

Diagnostic Radiology with Added Qualifications in Vascular and Interventional Radiology, November 2001

Licensure South Carolina #22073

Faculty Appointments

<u>PLACE</u>	<u>DATES</u>	<u>RANK</u>
Medical University of South Carolina	July 2000 - present	Assistant Professor

Hospital Appointments

<u>YEARS</u>	<u>POSITION</u>	<u>INSTITUTION</u>
2000 - present	Radiology Attending	MUSC Medical Center

Teaching Duties

Director of Medical Student Education in Interventional Radiology, 2002 – present.

Senior Board Review 2004 – present.

Monthly Radiology Resident Conference, 2002 – present.

Mock Boards 2004 – present.

Radiology/Pathology conferences, alternate co-coordinator.

Interventional Radiology Fellowship Director, 2008 – present.

Awards, Honors, Membership in Honorary Societies

Elected to Alpha Omega Alpha, 1993; Secretary of AOA, 1994

Golden Apple Award for excellence in educating diagnostic radiology residents, 2000-01

Committees

Member, Major Trauma Committee, MUSC Hospital. Review cases pertaining to IR participation. 2005-present.

Alternate Member, Credentials Committee, MUSC Hospital. Review credential applications as needed by committee. 2005 – present.

Member, Resident Selection Committee. Participate in residency selection and interviews of candidates. 2005 – present.

Professional Societies

National Societies

Member, ARRS (American Roentgen Ray Society)
Member, RSNA (Radiology Society of North America)
Member, ACR (American College of Radiology)
Member, Alpha Omega Alpha Medical Honor Society

State Societies

Member & Alternate Delegate, South Carolina Medical Association

Local Societies

Member, Charleston Medical Society
Member, South Carolina AOA (Alpha Omega Alpha)

Presentations

International

1. C Schönholz, C Hannegan, R Uflacker, B Selby. "What to do when a stroke occurs during carotid artery stenting?" 2006 Controversies and Updates in Vascular Surgery. Paris, France. January 2006.

National & Local

1. "Calcium Score, CT, and Coronary Magnetic Resonance". Cardiology for the Primary Care Physician Conference. Spoleto Festival U.S.A. 2003. Charleston Place Hotel, Charleston, S.C. May 28, 2003.

2. "Calcium Score, CT, and Coronary Magnetic Resonance". South Carolina Medical Association's Annual Meeting and Scientific Assembly 2003. Charleston Place Hotel, Charleston, S.C. April 24, 2003.

3. Workshop: "Calcium Score, CT, and Coronary Magnetic Resonance". 28th Annual Scientific Meeting of the Society of Cardiovascular and Interventional Radiology (SCVIR). Salt Lake City Convention Center, Salt Lake City, Utah. March 27-April 1, 2003.

4. "64 Slice CT – An update". Meeting of the MUSC Board of Trustees, November 1, 2004, Gazes Cardiac Research Institute. Charleston, SC, Nov 1, 2004.
5. "Uterine Artery Embolization: Endovascular Treatment of Leiomyomata". American Radiological Nurses Association meeting, Charleston, SC. December 14, 2005.
6. "CT of Coronary Artery Bypass Grafts and Stents". 64-Slice Cardiovascular CT. The Charleston Hands On Course. Medical University of South Carolina. Charleston, SC, April 11 - 12 2005.
7. "Pulmonary Embolism Interventions". South Carolina Association of Vascular and Interventional Radiology Seminar. Charleston, SC. February 25, 2006.
8. "Evolution of diagnosis and treatment options for Pulmonary Embolism in 2006". South Carolina Chapter of the American College of Radiology 2006 Annual Meeting. Charleston, SC. March 18, 2006.
9. "Intervention and Treatment of Pulmonary Embolism". South Carolina Association of Vascular and Interventional Radiography Annual Conference. Kiawah Island, South Carolina. February 9, 2007.
10. "Portal Vein Intervention". The Sanctuary of Endovascular Therapy, Kiawah Island, South Carolina. March 1, 2008.
11. "Percutaneous Biliary Procedures". Conference for the nurses' Palmetto Chapter ARNA for CEU credit. MUSC Hospital, Charleston, SC. May 14, 2008.
12. "Uterine Fibroid Embolization". 44th Annual Thegos Society Meeting, Wild Dunes, South Carolina. May 23, 2009.
13. "TIPS Creation for Decompression of the Portal Venous System". Cardiology Grand Rounds. Medical University of South Carolina. Charleston, SC. June 18, 2009.

Abstract Presentations

1. Selby JB, Hannegan C, Brock A, Assey M, Uflacker R, Butterfield L. "Quantification of coronary calcification by helical CT: Correlation to standard risk factors". Poster presented at the SCVIR 2001, 26th Annual Scientific Meeting. San Antonio, Texas, March 3-8, 2001.
2. Hannegan C, Selby JB, Uflacker R. "Association of portal visualization via wedged hepatic carbon dioxide venography and pathological stage of fibrosis". 27th Annual

Scientific Meeting of the Society of Cardiovascular and Interventional Radiology (SCVIR). April 6-11, 2002. Baltimore Convention Center, Baltimore, Maryland.

3. Uflacker R, Selby JB, Hannegan C. "Thrombosed dialysis access grafts: Results of a randomized comparison between mechanical thrombectomy and surgical thrombectomy". Annual Meeting and Postgraduate Course of the Cardiovascular and Interventional Radiological Society of Europe CIRSE and 4th Joint Meeting with the European Society of Cardiac Radiology ESCR. October 5-9, 2002. Lucerne, Switzerland.

4. Uflacker R, Selby JB, Hannegan C. "Transcatheter Embolization of the Uterus in Post-Partum Massive Bleeding". 28th Annual Scientific Meeting of the Society of Cardiovascular and Interventional Radiology (SCVIR). March 27-April 1, 2003. Salt Lake City Convention Center, Salt Lake City, Utah.

5. Uflacker R, Selby JB, Hannegan C. "ePTFE-Covered biliary Stent in the Treatment of Biliary Malignancies". 28th Annual Scientific Meeting of the Society of Cardiovascular and Interventional Radiology (SCVIR). March 27-April 1, 2003. Salt Lake City Convention Center, Salt Lake City, Utah.

6. Uflacker R, Hannegan C, Selby JB. "Experience with the treatment of traumatic peripheral arterial injuries with stent-grafts". Digital scientific poster exhibition. CIRSE 2004. Annual Meeting and Postgraduate Course of the Cardiovascular and Interventional Radiological Society of Europe CIRSE. September 24-29, 2004. Barcelona, Spain.

7. Hannegan C, Uflacker R, Schönholz C, Selby JB, Guimaraes M. "Transjugular liver biopsy". 2004 Annual Meeting of The Southeastern Angiography Society (SEAS), October 21-22, 2004.

8. Hannegan C, Selby JB, Schönholz C, Uflacker R, Guimaraes M. "CTA of the Abdomen". 2004 Annual Meeting of The Southeastern Angiography Society (SEAS), October 21-22, 2004.

9. Hannegan C, Guimaraes M, Schönholz C, Uflacker R, Selby JB. "Covered Stents for TIPS". 2004 Annual Meeting of The Southeastern Angiography Society (SEAS), October 21-22, 2004.

10. Schönholz C, Krajcer Z, Parodi J, Mendaro E, Hannegan C, Selby B, Guimaraes M, Uflacker R. "Stent-Graft Experience for Carotid Artery Lesions: Report on 20 Patients". The International Congress XVIII on Endovascular Interventions. Scottsdale, AZ. February 2005.

11. Guimaraes M, Uflacker R, McGue J, Schönholz C, Hannegan C, Selby JB. "Percutaneous use of closure devices in the removal of central venous catheter

accidentally". Scientific Poster presented at the 2005 Society of Interventional Radiology (SIR) 30th Annual Scientific meeting, March 31-April 5. New Orleans, LA.

12. Schönholz C, Hannegan C, Uflacker R, Selby B. "Sleeping with the Enemy: How to obtain Referrals". Carotid Stenting Symposium, 2005 Society of Interventional Radiology (SIR) 30th Annual Scientific meeting, March 31-April 5, 2005. New Orleans, LA.

13. R Uflacker, C Schönholz, C Hannegan, JB Selby. "Diagnosis and Endovascular Management of Acute and Chronic Ischemia". Scientific Poster presented at the 2005 Society of Interventional Radiology (SIR) 30th Annual Scientific meeting, . March 31-April 5. New Orleans, LA.

14. C Schönholz, Z Krajcer, JC Parodi, E Mendaro, C Hannegan, B Selby, M Guimaraes, R Uflacker. "Covered Stents to manage difficult carotid artery lesions: Techniques, Indications and Pitfalls". VEITH (Vascular and Endovascular Issues, Techniques and Horizons) Symposium in New York, New York. November 16-18, 2005.

15. C Schönholz, C Hannegan, R Uflacker, B Selby. "What to do when a stroke occurs during carotid artery stenting?" 2006 Controversies and Updates in Vascular Surgery, Paris, France. January 2006.

16. C. Schönholz; J. B. Selby, Jr.; C. Hannegan; J Kratz, MD; R.Uflacker. "Multislice CTA for Evaluation of CABG". International Congress XIX Endovascular Interventions. Phoenix, AZ. February 2006.

17. K. Nelson, R. Uflacker, J. Selby, C. Schönholz, C. Hannegan. "Hemodialysis Graft Patency Following Viabahn Covered Stent Placement". 2006 SIR (Society of Interventional Radiology), Toronto, Ontario, Canada. April 1, 2006.

18. R. Uflacker, C. Abath, C. Schönholz, C. Hannegan, J.B. Selby. "Endovascular Treatment of Inflammatory and Mycotic Aneurysms of the Aorta". 2006 SIR (Society of Interventional Radiology), Toronto, Ontario, Canada. April 2, 2006.

19. K. Nelson, J. Selby, Judson M, R. Uflacker , C. Hannegan. "Percutaneous Intracavitary Chest Catheter Placement for Treatment of Fungal Infection". 2006 SIR (Society of Interventional Radiology), Toronto, Ontario, Canada. April 1, 2006.

20. Lacerda RO, Uflacker R, DiBona A, Schonholz C, Hannegan C, Selby JB. "Endovascular Treatment for Chronic Mesenteric Ischemia: a 5-year retrospective evaluation". ISET 2007 (International Symposium on Endovascular Therapy, Hollywood, Florida. January 2007.

21. Schönholz C, Guimaraes M, Uflacker R, Hannegan C, Selby JB. "When a Central Venous Catheter is Mistakenly Placed in an Artery the Problem Can Be Solved with a

Percutaneous Closure Device". VEITH Symposium, New York, New York, November 18, 2007. Published online XXXIV 5.1, <http://www.prolibraries.com/veithsymposium/> .

22. Guimaraes M, Uflacker R, Selby JB, Schonholz C, Hannegan C. Poster presentation: "Successful Recanalization of Bile Duct Occlusion with Radiofrequency Puncture Wire Technique". 2009 SIR 34th Annual Scientific Meeting in San Diego, California. March 10, 2009.

Publications

Articles/Posters

1. Hannegan C. "The role of hysterosalpingography in the workup of candidates for fallopian tube recanalization". Accepted as poster presentation at SCVIR Annual Meeting, San Diego, CA, March 2000.

2. Selby JB, Hannegan C, Brock A, Assey M, Uflacker R Butterfield L. "Quantification of coronary calcification by helical CT: Correlation to standard risk factors". Poster presented at the SCVIR 2001, 26th Annual Scientific Meeting. San Antonio, Texas, March 3-8, 2001. Abstract # 291, published in JVIR Supplement 2001; 12:S116.

3. Perini RF, Uflacker R, Byrne TK, Norcross DE, Hannegan C, Selby JB. "Transcatheter occlusive therapy as the definitive treatment for traumatic hepatic hemorrhage". Poster presented at the Digestive Disease Week 2001. Atlanta, Georgia, May 20-23, 2001. Abstract # 2448, published in Gastroenterology 2001; 120:A481. Supp.

4. Hannegan C, Selby JB, Uflacker R. "Association of portal visualization via wedged hepatic carbon dioxide venography and pathological stage of fibrosis". Presented at the 27th Annual Scientific Meeting of the Society of Cardiovascular and Interventional Radiology (SCVIR). April 6-11, 2002. Baltimore Convention Center, Baltimore, Maryland. Abstract #89, published at JVIR Supplement 2002; 13:S31.

5. Uflacker R, Mendonca CT, Robison JB, Selby JB, Hannegan C. "Endovascular treatment of abdominal aortic aneurysms: Experience of a single institution". Poster presented at the 27th Annual Scientific Meeting of the Society of Cardiovascular and Interventional Radiology (SCVIR). April 6-11, 2002. Baltimore Convention Center, Baltimore, Maryland. Abstract #244, published at JVIR Supplement 2002; 13:S85.

6. Hannegan C, Uflacker R , Selby JB. "Association of portal visualization via wedged hepatic carbon dioxide venography and pathological stage of fibrosis". Presented at the Annual Meeting and Postgraduate Course of the Cardiovascular and Interventional

Radiological Society of Europe CIRSE. October 5-9, 2002. Lucerne, Switzerland. Abstract #198, published at JCVIR Supplement 2, 2002; 25:S195.

7. Uflacker R, Selby JB, Hannegan C. "Thrombosed dialysis access grafts: Results of a randomized comparison between mechanical thrombectomy and surgical thrombectomy". Annual Meeting and Postgraduate Course of the Cardiovascular and Interventional Radiological Society of Europe CIRSE and 4th Joint Meeting with the European Society of Cardiac Radiology ESCR. October 5-9, 2002. Lucerne, Switzerland. Abstract #E2, published at JCVIR Supplement 2, 2002; 25:S246.

8. Uflacker R, Selby JB, Hannegan C. "Transcatheter Embolization of the Uterus in Post-Partum Massive Bleeding". 28th Annual Scientific Meeting of the Society of Cardiovascular and Interventional Radiology (SCVIR). March 27-April 1, 2003. Salt Lake City Convention Center, Salt Lake City, Utah. Abstract #125, published at JVIR Supplement 2003;14:S43

9. Uflacker R, Selby JB, Hannegan C. "ePTFE-Covered biliary Stent in the Treatment of Biliary Malignancies". 28th Annual Scientific Meeting of the Society of Cardiovascular and Interventional Radiology (SCVIR). March 27-April 1, 2003. Salt Lake City Convention Center, Salt Lake City, Utah. Abstract #132, published at JVIR Supplement 2003;14:S46.

10. Hannegan C, Selby JB. "Calcium Score, CT, and Coronary Magnetic Resonance". Cardiology for the Primary Care Physician During Spoleto Festival U.S.A. 2003, Charleston Place Hotel, Charleston, S.C. May 28, 2003.

11. Uflacker R, Brothers T, Hannegan C, Selby JB. "Aortic aneurysm sac filling to prevent endoleaks after stent-graft treatment: experience with an animal model". Annual Meeting and Postgraduate Course of the Cardiovascular and Interventional Radiological Society of Europe CIRSE . September 20-24, 2003. Antalya/Belek, Turkey. Abstract 15.1.2, published at JCVIR Supplement 1, 2003;142.

12. Uflacker R, Williams L, Selby JB, Hannegan C. "Experience with more than 3000 central venous access devices in interventional radiology". Annual Meeting and Postgraduate Course of the Cardiovascular and Interventional Radiological Society of Europe CIRSE . September 20-24, 2003. Antalya/Belek, Turkey. Abstract 6.5.6, published at JCVIR Supplement 1, 2003;139.

13. Uflacker R, Selby JB, Hannegan C. "Embolization of the uterus in post-partum bleeding". Annual Meeting and Postgraduate Course of the Cardiovascular and Interventional Radiological Society of Europe (CIRSE), Antalya?Belek, Turkey, September 20-24, 2003.

14. Uflacker R, Brothers T, Hannegan C, Selby JB. "Experience with aortic aneurysm sac filling after stent-graft repair in an animal model". 29th Annual Scientific Meeting of

the Society of Interventional Radiology (SIR). March 25-30. Phoenix Convention Center, Phoenix, Arizona. Abstract #149, published at JVIR Supplement 2004;15:S195.

15. Uflacker R, Hannegan C, Selby JB. "Experience with the treatment of traumatic peripheral arterial injuries with stent-grafts". Digital scientific poster exhibition. CIRSE 2004. Annual Meeting and Postgraduate Course of the Cardiovascular and Interventional Radiological Society of Europe CIRSE. September 24-29, 2004. Barcelona, Spain. Abstract P202, published in the book of abstracts, page 228, 2004.

16. Guimaraes M, Nelson K, Schönholz C, Hannegan C, Selby JB, Uflacker R. "Transjugular Intrahepatic Porto-Systemic Shunt (TIPS)". Poster presented at Encontro Annual da Sociedade Brasileira de Radiologia Intervencionista e Cirurgia Endovascular. Rio de Janeiro, Oct 6-9, 2004.

17. Guimaraes M, McGue J, Schönholz, C, Hannegan C, Selby JB, Uflacker R. "Uso Percutaneo de Closure Device na Remocao de Cateter Venoso Central Inserido Acidentalmente em Arteria". Poster presented at Encontro Annual da Sociedade Brasileira de Radiologia Intervencionista e Cirurgia Endovascular. Rio de Janeiro, Oct 6-9, 2004.

18. Guimaraes M, Schönholz C, Hannegan C, Selby JB, Uflacker R. "Novas Tecnologias no Tratamento Endovascular das Doenças Vasculares Perifericas". Poster presented at Encontro Annual da Sociedade Brasileira de Radiologia Intervencionista e Cirurgia Endovascular. Rio de Janeiro, Oct 6-9, 2004.

19. Uflacker R, Rajagopalan PR, Selby JB, Hannegan C. "Thrombosed Dialysis Access Grafts: Randomized Comparison of the Amplatz Thrombectomy Device (ATD) and Surgical Thromboembolectomy". Eur Radiol 2004;14:2009-2014.

20. Block M, Lefkowitz T, Ravenel J, Leon S, Hannegan C. "Endovascular coil embolization for acute management of traumatic pulmonary artery pseudoaneurysm". J Thorac Cardiovasc Surg. 2004 Nov;128(5):784-5.

21. Turba U, Uflacker R, Selby JB, Hannegan C. "Anatomical relationship of the internal jugular vein and the common carotid artery applied to percutaneous transjugular procedures". Cardiovasc Intervent Radiol. 2005 March 7; 28: 303-306.

22. Ulku C, Turba, Renan Uflacker, Christopher Hannegan, J. Bayne Selby. "Anatomic Relationship of the Internal Jugular Vein and the Common Carotid Artery Applied to Percutaneous Transjugular Procedures". Cardiovasc Intervent Radiol (2005) 28:303-306.

23. Schönholz C; Uflacker R, Mendaro E, Guimaraes M, Hannegan C, Selby JB. "Techniques for carotid artery stenting under cerebral protection". Journal of Cardiothoracic Surgery. J Cardiovasc Surg 2005; 46: 201-17.

24. Lake D, Guimaraes M , Ackerman S, Hannegan C, Schönholz C, Selby JB, Uflacker R. “Comparative Results of Doppler Sonography after Transjugular Intrahepatic Portosystemic Shunt Procedure Using ePTFE Covered Stents and Bare Stents”. AJR 2006; 186:1138-1143.
25. Schönholz CJ, Uflacker R, Parodi JC, Hannegan C, Selby B. “Is there evidence that cerebral protection is beneficial?” Clinical data. J Cardiovasc Surg (Torino). 2006 Apr;47(2):137-41.
26. Uflacker R, Schönholz C, Hannegan C, Selby JB. “Carotid Artery Angioplasty and Stenting”. The Journal of the South Carolina Medical Association. Volume 102, June 2006: pp 117-121.
27. Schönholz C, Krajcer Z, Parodi JC, Mendaro E, Hannagen C, D’Agostino H, Selby B, Guimaraes M, Uflacker R. “Stent-Graft Treatment of Pseudoaneurysms and Arteriovenous Fistulae in the Carotid Artery”. Vascular, 2006, Vol. 14, No. 3, pp. 123-129.
28. Schönholz C, Parodi JC, Uflacker R, Hannegan C, Selby B, Uflacker A, Schönholz M. “Clinical Experience with Treatment of Carotid Artery Lesions with Stent-Graft”. The Journal of the South Carolina Medical Association, November 2006, Volume 102: 309-315.
29. Guimaraes M, Uflacker R, Schonholz C, Hannegan C, Selby B. “Use of percutaneous closure devices in the removal of central venous catheters from inadvertent arterial catheterizations”. J Cardiovasc Surg (Torino). 2008 Jun; 49(3): 345-50.
30. Schönholz C, Ikonomidis JS, Hannegan C, Mendaro E. “Technical Note: Bailout Percutaneous External Shunt to Restore Carotid Flow in a Patient with Acute Type A Aortic Dissection and Carotid Occlusion”. J Endovasc Ther, 2008; 15: 639-642.

Case Reports

1. Guimaraes M, Uflacker R, Schönholz C, Hannegan C, and Selby JB. Case Report. “Stent Migration Complicating Treatment of Inferior Vena Cava Stenosis after Orthotopic Liver Transplantation”. J Vasc Interv Radiol 2005; 16: 1247-1252.

Abstract Publications

1. Hannegan C, Uflacker R , Selby JB. “Association of portal visualization via wedged hepatic carbon dioxide venography and pathological stage of fibrosis”. Annual Meeting

and Postgraduate Course of the Cardiovascular and Interventional Radiological Society of Europe CIRSE. October 5-9, 2002. Lucerne, Switzerland. Abstract #198, published at JCVIR Supplement 2, 2002; 25:S195.

2. Uflacker R, Selby JB, Hannegan C. "Thrombosed dialysis access grafts: Results of a randomized comparison between mechanical thrombectomy and surgical thrombectomy". Annual Meeting and Postgraduate Course of the Cardiovascular and Interventional Radiological Society of Europe CIRSE and 4th Joint Meeting with the European Society of Cardiac Radiology ESCR. October 5-9, 2002. Lucerne, Switzerland. Abstract #E2, published at JCVIR Supplement 2, 2002; 25:S246.

3. Uflacker R, Selby JB, Hannegan C. "Transcatheter Embolization of the Uterus in Post-Partum Massive Bleeding". 28th Annual Scientific Meeting of the Society of Cardiovascular and Interventional Radiology (SCVIR). March 27-April 1, 2003. Salt Lake City Convention Center, Salt Lake City, Utah. Abstract #125, published at JVIR Supplement 2003;14:S43.

4. Uflacker R, Selby JB, Hannegan C. "ePTFE-Covered biliary Stent in the Treatment of Biliary Malignancies". 28th Annual Scientific Meeting of the Society of Cardiovascular and Interventional Radiology (SCVIR). March 27-April 1, 2003. Salt Lake City Convention Center, Salt Lake City, Utah. Abstract #132, published in JVIR Supplement 2003;14:S46.

5. Uflacker R, Hannegan C, Selby JB. "Experience with the treatment of traumatic peripheral arterial injuries with stent-grafts". Digital scientific poster exhibition. CIRSE 2004. Annual Meeting and Postgraduate Course of the Cardiovascular and Interventional Radiological Society of Europe CIRSE. September 24-29, 2004. Barcelona, Spain. Abstract P202, published in the book of abstracts, page 228, 2004.

6. Schönholz C, Krajcer Z, Parodi J, Mendaro E, Hannegan C, Selby B, Guimaraes M, Uflacker R. "Stent-Graft Experience for Carotid Artery Lesions: Report on 20 Patients". The International Congress XVIII on Endovascular Interventions. Scottsdale, AZ. February 2005, Abstract published in Journal of Endovascular Therapy. Volume 12. Supplement I. February 2005.

7. Guimaraes M, Uflacker R, McGue J, Schönholz C, Hannegan C, Selby JB. "Percutaneous use of closure devices in the removal of central venous catheter accidentally". Scientific Poster presented at the 2005 Society of Interventional Radiology (SIR) 30th Annual Scientific meeting, March 31-April 5, 2005. New Orleans, LA. Abstract #264 published in JVIR Supplement 2005;16, No. 2, Part 2: S93.

8. Schönholz C, Hannegan C, Uflacker R, Selby B. "Sleeping with the Enemy: How to obtain Referrals". Carotid Stenting Symposium, 2005 Society of Interventional Radiology (SIR) 30th Annual Scientific meeting, March 31-April 5. New Orleans, LA. Abstract published in JVIR Supplement 2005;16 No. 2, Part 2:P328.

9. R Uflacker, C Schönholz, C Hannegan, JB Selby. "Diagnosis and Endovascular Management of Acute and Chronic Ischemia". Scientific Poster presented at the 2005 Society of Interventional Radiology (SIR) 30th Annual Scientific meeting. March 31-April 5. New Orleans, LA. Abstract #212 published in JVIR Supplement 2005;16, No. 2, Part 2: S75-76.
10. Schönholz C, Krajcer Z, Parodi J, Mendaro E, Hannegan C, Selby B, Guimaraes M, Uflacker R. "Covered Stents to Manage Difficult Carotid Artery Lesions: Techniques, Indications and Pitfalls". Vascular: Official Journal of the International Society for Vascular Surgery, International Society of Vascular Specialists, and the International Society for Cardiovascular Surgery. November 2005, Volume 13, Supplement 1.
11. K. Nelson, R. Uflacker, J. Selby, C. Schönholz, C. Hannegan. "Hemodialysis Graft Patency Following Viabahn Covered Stent Placement". 2006 SIR (Society of Interventional Radiology), Program and Abstract Book.
12. R. Uflacker, C. Abath, C. Schönholz, C. Hannegan, J.B. Selby. "Endovascular Treatment of Inflammatory and Mycotic Aneurysms of the Aorta". 2006 SIR (Society of Interventional Radiology), Program and Abstract Book.
13. K. Nelson, J. Selby, M. Judson, R. Uflacker, C. Hannegan, C. Schönholz. "Percutaneous Intracavitary Chest Catheter Placement for Treatment of Fungal Infection". 2006 SIR (Society of Interventional Radiology), Program and Abstract Book.
14. Claudio Schönholz, Juan C. Parodi, Christopher Hannegan, Renan Uflacker, Bayne Selby. "What Should Be Done When a Stroke Occurs during or after Carotid Artery Stenting?" VEITH (Vascular & Endovascular Issues, Techniques and Horizons) Symposium 2007, New York, New York. November 15-18, 2006. Published in Vascular, November 2006, Volume 14, Number Supplement 1, pp S69-S70.
15. Lacerda RO, Uflacker R, DiBona A, Schonholz C, Hannegan C, Selby JB. "Endovascular Treatment for Chronic Mesenteric Ischemia: a 5-year retrospective evaluation". ISET 2007 (International Symposium on Endovascular Therapy, Hollywood, Florida. January 2007. Published in International Symposium on Endovascular Therapy Abstract Book, p. 29.
16. Turba UC, Uflacker R, Selby JB, Schonholz C, Hannegan C. "Renal Artery Anatomy: Distribution of the Renal Artery in the Aorta and Angle of the Renal Pedicle". SIR 2007 (Society of Interventional Radiology), Seattle, Washington. March 1-6, 2007. Published in Annual Meeting Program of 2007 SIR, Journal of Vascular and Interventional Radiology, Abstract No. 271, January 2007, Volume 18, Number 1, Part 2, p. S95.
17. Schönholz C, Guimaraes M, Uflacker R, Hannegan C, Selby JB. "When a Central

Venous Catheter is Mistakenly Placed in an Artery the Problem Can Be Solved with a Percutaneous Closure Device". VEITH Symposium, New York, New York, November 18, 2007. Published online XXXIV 5.1, <http://www.prolibraries.com/veithsymposium/>.

Book Chapters

1. C Schönholz, C Hannegan, R Uflacker, B Selby. Book chapter entitled "What to do when a stroke occurs during carotid artery stenting?" in Edizioni Minerva Medica: Controversies and Updates in Vascular Surgery, Torino 2006, ed. By Jean-Pierre Becquemin and Yves S. Alimi, pp. 132-143.
2. Claudio Schönholz ; Juan C Parodi ; Christopher Hannegan; Renan Uflacker; Bayne Selby. Title of book as yet undecided. Book chapter entitled "Management of neurological complications and cerebral rescue after carotid stenting" (In Press).

Research

1. Tara Noone, MD, PI, Jacob Robison, Co-I, and Christopher Hannegan, Co-I(5/15/02 – 7/31/02. Interventional Radiologist. MS-325-13, A multicenter Comparative, Phase 3 Study to Determine the Safety and Efficacy of MS-325- Enhanced MRA in Patients with Suspected Peripheral Vascular Disease. Sponsored by EPIX Medical Inc., \$105,000. (1/17/02 – 1/16/03)
2. Gore Viabahn Endoprosthesis versus Percutaneous Transluminal Angioplasty (PTA) to Revise Arteriovenous Grafts at the Venous Anastomosis in Hemodialysis Patients. Role - Sub-Investigator. Sponsor - WL Gore and Assoc. IRB approved 6/10/08. \$48,250.