

Marcelo S. Guimarães, M.D.

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Education & Training

Medical Graduation

February 1992 – July 1998 School of Medicine
Federal University of Rio Grande Sul (UFRGS),
Porto Alegre, Brazil

Extra Academic Rotations (voluntary)

June 1993 Intensive Care Unit, Hospital Santa Casa,
Porto Alegre, Brazil

July 1994 Gastroenterology Service, Hospital de Clínicas,
Porto Alegre, Brazil

January 1996 Internal Medicine Department, Hospital de Clínicas,
Porto Alegre, Brazil

January 1997 Surgery Department, Hospital Santa Casa,
Porto Alegre, Brazil

December 1997 –
January 1998 Trauma Surgery, Emergency City Hospital
Porto Alegre, Brazil

June 1998 Radiology Department, Hospital de Clínicas,
Porto Alegre, Brazil

Graduate Students Teaching

September 1992 –
August 1994 Human Anatomy, Morphological Sciences Department,
UFRGS Medical School, Porto Alegre, Brazil

August 1993 – July 1994	Clinical Biochemistry, Biochemistry Department, UFRGS Medical School, Porto Alegre, Brazil
August – December 1994	Clinical Pathology, Pathology Dept., UFRGS Medical School, Porto Alegre, Brazil
April 1996 – October 1997	Clinical Epidemiology & Scientific Assistance Social Medicine Department, UFRGS Medical School, Porto Alegre, Brazil

Postgraduate Training

January 1999 – December 2000	General Surgery Hospital de Clínicas, Porto Alegre, Brazil
February 2001 – January 2003	General and Interventional Radiology Hospital de Clínicas and Angiorad Group, Recife, Brazil
July 2003 – June 2005	Vascular and Interventional Radiology Fellowship Medical University of South Carolina Hospital Charleston, South Carolina

Temporary Appointments

August 1999	Visiting Physician Division of Angiography, Department of Radiology Medical University of South Carolina Charleston, South Carolina
January – February 1995	Elective Student Dept. of Internal Medicine, John Radcliffe Hospital, University of Oxford, Oxford, England
December 2005	Interventional Radiology Visiting Fellowship Dotter Interventional Institute, Portland, Oregon

Certifications & Exams

Medical Exams

December 1998	Medical Association of Rio Grande do Sul Exam,
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Porto Alegre, Brazil

April 2002 United States Medical Licensure Examination (USMLE)
Step 1 Exam, USA

May 2002 USMLE Step 2 Exam, USA

September 2002 Clinical Skills Assessment Exam, USA

October 2004 Exam for Certification in Vascular & Interventional
Radiology Brazilian College of Radiology and Brazilian
Society of Interventional Radiology and Endovascular
Surgery, Brazil

August 2007 USMLE Step 3 Exam, USA

Medical Certificates

October 2002 Educational Commission for Foreign Medical Graduates
Certificate, valid indefinitely # 0.635.207-4, USA

November 2004 Vascular & Interventional Radiology Board Certification,
Brazilian College of Radiology and Brazilian Society of
Interventional Radiology and Endovascular Surgery, Brazil

English Language

May 1994 First Certificate in English, Cambridge University Exam

January 1996 Test of English as Foreign Language (TOEFL) Exam

January 2002 TOEFL Exam

Licensure

1998 – 2003 Licensed as Physician and Surgeon in the State of Rio
Grande do Sul CRM/RS # 23831, Brazil.

2003 – 2005 Limited License for practice of Medicine in the State of
South Carolina # 4642, USA

2005 – 2007 Licensed as Physician and Surgeon in the State of Rio Grande do Sul CRM/RS # 23831, Brazil.

2008 – present Academic License for practice of Medicine in the State of South Carolina # 24517, USA

Faculty Appointments

July 2005 – Dec 2007 Lecturer at the Hospital de Clinicas, UFRGS Medical School, Porto Alegre, Brazil

July 2005 – Dec 2007 Vascular and Interventional Radiologist Moinhos de Vento Hospital, Porto Alegre, Brazil

Jan 2008 – present Assistant Professor
Interventional Radiologist Attending
Department of Radiology
Medical University of South Carolina Hospital,
Charleston, SC

Administrative Appointments

October 2008 – present Radiology Residents Committee
Department of Radiology
Medical University of South Carolina

July 2005 – Dec 2007 Head of the Vascular & Interventional Radiology Unit
Department of Radiology, Hospital de Clinicas, UFRGS
Medical School, Porto Alegre, Brazil

October 2005 – Dec 2007 Multidisciplinary Endovascular Center Committee
Hospital de Clinicas, UFRGS Medical School,
Porto Alegre, Brazil

November 2005 – Dec 2007 Member, Scientific Committee
Brazilian Society of Interventional Radiology and
Endovascular Surgery, Brazil

April 2006 – Dec 2007 Strategic Planning Committee, Hospital de Clinicas
Administration, UFRGS Medical School, Porto Alegre,
Brazil

June 2006 – Dec 2007	Strategic Planning Committee, Moinhos de Vento Hospital Administration, Porto Alegre, Brazil
July 2006 – Dec 2007	Vascular Unit Committee Hospital de Clinicas, UFRGS Medical School, Porto Alegre, Brazil
March 2006 – Dec 2007	Radiology Research Committee Hospital de Clinicas, UFRGS Medical School, Porto Alegre, Brazil

Professional Affiliations

2001 - present	Brazilian College of Radiology (CBR)
2003 - present	Society of Interventional Radiology (SIR)
2003 - present	Cardiovascular and Interventional Radiology Society of Europe (CIRSE)
2003- present	Brazilian Society of Interventional Radiology and Endovascular Surgery (SOBRICE)
2007 - present	Iberoamerican Society of Interventional Radiology (SIDI)

Research Grants & scholarships

1996	Scientific Initiative Program, University of Rio Grande do Sul. Project: Evaluation of the of the anti-hyperglycemia effect of the <i>Mangifera indica</i> tea in the post prandial glycemic levels in mouse with induced diabetes, Porto Alegre, Brazil.
1997 - 1998	Scientific Initiative Program, University of Rio Grande do Sul. Project: Evaluation of the anti-hypertensive and metabolic effects of Metformin in patients with Hypertension and Diabetes type II, Porto Alegre, Brazil.
2005	Pilot Research Grant, Society of Interventional Radiology Foundation. Project: Use of Sphingosine-1-phosphate for Angiogenesis in Rabbit Ischemic hind limb, Medical

University of South Carolina, Charleston, South Carolina.
US\$ 20,000.00

Participation in Clinical Trial

2006	TOPVENT Trial (Trial of Odiparcil for the Prevention of Venous Thromboembolism), Glaxo Smith Kline, USA.
2008	Population-Based Examinations to Determine Ankle-Brachial Index (PEDAL Study).
2008	Gore Viabahn Endoprosthesis Versus Percutaneous Transluminal Angioplasty (PTA) to Revise Arteriovenous Grafts at the Venous Anastomosis in Hemodialysis Patients (REVISE Study).
2008	Cardiovascular Outcomes in Renal Atherosclerotic Lesions Randomized and Multi-Center Two-Group Clinical Trial to Assess the Best Treatment for Patients with High Blood Pressure and Renal Artery Stenosis: Stenting with Anti-Hypertensive Medical Therapy Compared to Medical Therapy Alone (CORAL Study)
2008	New Radio-Frequency Guidewire in the Successful Recanalization of Patients with Bile Duct Occlusions
2008	Normal and Variant Anatomy of Supra-Aortic Vessels
2008	Gore Embolic Filter in Carotid Stenting for High Risk Surgical Subjects (EMBOLDEN Study)
2008	Endovascular Repair Using the Talent Abdominal Stent Graft System in Abdominal Aortic Aneurysms (VITALITY Study)

Major Academic Activities

1. Teaching classes for 4th year medical students and for Radiology Residents concerning Vascular & Interventional Radiology, MUSC Hospital, Charleston, South Carolina, July 2003 – June 2005.

2. Teaching classes for 6th year medical students and for Radiology Residents concerning Vascular & Interventional Radiology, Department of Radiology, Hospital de Clinicas, UFRGS Medical School, Porto Alegre, Brazil, July 2005 – December 2007.
3. Teaching classes for Internal Medicine and Clinical Specialties Residents concerning Vascular & Interventional Radiology procedures, Department of Internal Medicine, Hospital de Clinicas, UFRGS Medical School, Porto Alegre, Brazil, August 2006 – December 2007.
4. Teaching classes for 4th year medical students and for Radiology Residents concerning Vascular & Interventional Radiology procedures, MUSC Hospital, Charleston, South Carolina, January 2008 – present.

Major Clinical Activities in the Academic Practice

1. Vascular and Interventional Radiology Procedures, guided by Fluoroscopy, Computed Tomography and Ultrasound
2. Clinical Consultation
3. Ward rounds with residents and fellows

Posters or Oral Presentations in Scientific Meetings

1. **Guimarães M**, Cruz R, Giestera R, Verri J, “Risk Factors of the Prolonged Mechanical Ventilation as a complication after Coronary Artery Bypass”. 5th Cardiovascular Surgery Society meeting, Porto Alegre, Brazil, May 1996.
2. **Guimarães M**, Schmidt A, Perla A, Brodt C, Ramos J, “Use of episiotomy in the Hospital de Clinicas de Porto Alegre: indication or routine and its Association with post delivery complications - Preliminary results”. Hospital de Clínicas Scientific Meeting, Porto Alegre, Brazil, August 1996.
3. **Guimarães M**, Schmidt A, Perla A, Brodt C, Ramos J, “Benefits of Episiotomy at the Hospital de Clinicas de Porto Alegre – evaluation of 514 cases”. 47th Brazilian Congress of Gynecology, Rio de Janeiro, Brazil, May 1997.
4. Isaia C, **Guimarães M**, Lordelo E, “Five years experience in Uterine tube Video laparoscopy”. Presented by Dr. Isaia, World Congress of Gynecologic Endoscopy, Rome, Italy, June 1997.
5. **Guimarães M**, Collares M, Pinto R, Chem R, Casagrande C, Kuyen C. “Oculopharyngeal Muscular Dystrophy: report of 3 cases”. 15th Digestive Surgery Meeting, Porto Alegre, Brazil, October 1997.

6. **Guimarães M**, Collares M, Pinto R, Ferreira N, Chem R, Casagrande C, “Orbital Decompression in Ocular Graves Disease”. 4th Brazilian Congress of Plastic Surgery, Porto Alegre, Brazil, April 1998.
7. Gurski R, Krueel C, Schirmer C, **Guimarães M**, Cavazzola L, Padoin A. “Total Gastrectomy for the treatment of Gastric Adenocarcinoma”. 8th Brazilian Congress of Digestive Surgery, São Paulo, Brazil, June 1998.
8. Gurski R, Krueel C, Schirmer C, **Guimarães M**, Cavazzola L, Padoin A, Telles J, “Surgical treatment of Esophageal Carcinoma - Experience of the Digestive System Surgery Group”. Hospital de Clínicas Annual Scientific Meeting, Porto Alegre, Brazil, August 1998.
9. Krueel C, Gurski R, Schirmer C, **Guimarães M**, Cavazzola L, Padoin A, Telles J, “Early surgical treatment of the Gastric Carcinoma - Experience of the Digestive System Surgery Group”. Hospital de Clínicas Annual Scientific Meeting, Porto Alegre, Brazil, August 1998.
10. Krueel C, Gurski R, Schirmer C, **Guimarães M**, Cavazzola L, Padoin A, Telles J, “Cardia Adenocarcinoma treatment – Experience of the Digestive System Surgery Group”. Hospital de Clínicas Annual Scientific Meeting, Porto Alegre, Brazil, August 1998.
11. **Guimarães M**, Krueel C, Gurski R, Schirmer C, Cavazzola L, Padoin A, Telles J, “Lymph nodal dissection as a prognostic factor for the Gastric Adenocarcinoma”. 23th Brazilian Congress of Surgery, Rio de Janeiro, Brazil, September 1999.
12. **Guimarães M**, Krueel C, Gurski R, Schirmer C, Cavazzola L, Padoin A, Telles J, “Results of the Surgical Treatment of Gastric Adenocarcinoma”. 23th Brazilian Congress of Surgery, Rio de Janeiro, Brazil, September 1999.
13. Zmyj A, Gonçalves N, Bezerra L, **Guimarães M**, Borba P. “Albers-Schönberg Disease (Osteopetrosis): presentation of 5 cases and literature review”. XIV North-East Radiology Meeting, Fortaleza, Brazil, August 2001.
14. Pinheiro S, **Guimarães M**, Abath C, Brito N, Marques R. “Massive Pulmonary Artery Embolism: Endovascular Therapy and literature review”. IV Annual SOBRICE Meeting, Rio de Janeiro, Brazil, October 2001.
15. **Guimarães M**, Pinheiro S, Abath C, Brito N, Marques R. “Carotid Artery Stents: Clinical and Ultrasound Doppler Follow up”. IV Annual SOBRICE Meeting, São Paulo, Brazil, October 2001.

16. **Guimarães M**, Loureiro R, Souza B, Borba P. “Image guided percutaneous sclerotherapy of symptomatic simple renal cysts – a non surgical alternative of treatment”. 30th Brazilian Congress of Radiology, Curitiba, Brazil, November 2001.
17. **Guimarães M**, Abath C, Brito N, Marques R. “Presentation of cases regarding Vascular and Interventional Radiology”. Angiography Club, V Annual SOBRICE Meeting, São Paulo, Brazil, November 2002.
18. **Guimarães M**, Selby JB, Hannegan C, Uflacker R. “Presentation of Vascular and Interventional Radiology cases”. Angio Club, Charleston, South Carolina, October 2003.
19. **Guimarães M**, Uflacker R, Selby JB, Hannegan C. “Successful venous access service - Review of 4500 cases”. VI Annual SOBRICE Meeting, São Paulo, Brazil, November 2003.
20. **Guimarães M**, Uflacker R, Selby JB, Hannegan C. “Successful percutaneous treatment of Benign Biliary Stenosis”. VI Annual SOBRICE Meeting, São Paulo, Brazil, November 2003.
21. **Guimarães M**, Hannegan C, Schonholz C, Uflacker R, Selby JB, “Presentation of Vascular and Interventional Radiology cases”. Angio Club, Charleston, South Carolina, March 2004.
22. **Guimarães M**, Schonholz C, Uflacker R, Selby JB, Hannegan C, “Presentation of Vascular and Interventional Radiology cases”. Angio Club, Charleston, South Carolina, June 2004.
23. **Guimarães M**, Uflacker R, Selby JB, Hannegan C, Schonholz C. “Transjugular Intrahepatic Porto-Systemic Shunt (TIPS): comparative study between bare stent and stent-graft”. VII Annual SOBRICE Meeting, Rio de Janeiro, Brazil, October 2004.
24. **Guimarães M**, Uflacker R, Selby JB, Hannegan C, Schonholz C. “New Technologies for the endovascular treatment of peripheral vascular disease”. VII Annual SOBRICE Meeting, Rio de Janeiro, Brazil, October 2004.
25. **Guimarães M**, Uflacker R, Selby JB, Hannegan C, Schonholz C. “Percutaneous Use of Closure Devices in the Removal of Central Venous Catheter Accidentally Inserted in Artery”. VII Annual SOBRICE Meeting, Rio de Janeiro, Brazil, October 2004.
26. **Guimarães M**, Uflacker R, Schonholz C, Hannegan C, Selby JB, “Presentation of cases regarding Vascular and Interventional Radiology”. Angiography Club, VII Annual SOBRICE Meeting, Rio de Janeiro, Brazil, October 2004.

27. Hubbard J, **Guimarães M**, Schonholz C. “Prediction of Changes in Hemoglobin, levels Following Transjugular Biopsy Based Upon PT, PTT, and INR”. Presented by Dr. Hubbard, RSNA, Chicago, Illinois, November 2004.
28. Schönholz C, Krajcer Z, Parodi J, Mendaro E, , Hannegan C, Selby B, **Guimarães M**, Uflacker R. “Stent-Graft Experience for Carotid Artery Lesions: report on 20 patients”. Presented by Dr. Schonholz, International Congress on Endovascular Interventions, Phoenix, Arizona, February 2005.
29. **Guimarães M**, Uflacker R, Selby JB, Hannegan C, Schonhloz C. “Percutaneous Use of Closure Devices in the Removal of Central Venous Catheter Accidentally Inserted in Artery”. SIR Meeting New Orleans, Louisiana, March 2005.
30. **Guimarães M**, Uflacker R, Hannegan C, Gordon, Obeid L, Harley R. “Intra-muscular use of Sphingosine-1-phosphate for Angiogenesis in Rabbit Ischemic hind limb - Pilot Study”. Peripheral Vascular Disease Scientific Session, Society of Interventional Radiology (SIR) Meeting, New Orleans, Louisiana, March 2005.
31. Schonholz C, Uflacker R, Selby JB, Hannegan C, **Guimarães M**. “Common carotid dissection produced by the guiding sheath during carotid stenting”. Presented by Dr Schonholz, Endovascular Summit 2005 Meeting, Jackson Hole, Wyoming, August 2005.
32. **Guimarães M**, Uflacker R, Hannegan C, Gordon, Obeid L, Harley R. “Use of Sphingosine-1-phosphate for Angiogenesis in Rabbit Ischemic hind limb – Final results”. Peripheral Vascular Disease Scientific Session, Cardiovascular and Interventional Radiology Society of Europe, Nice, France, September 2005.
33. **M Guimarães**, R Uflacker, C Schönholz, C Hannegan, B Selby Jr. “Diagnosis and endovascular treatment of Acute and Chronic Mesenteric Ischemia”. Brazilian Congress of Vascular Surgery, Porto Alegre, Brazil, September 2005.
34. **M Guimarães**, C Schönholz R Uflacker, C Hannegan, B Selby Jr. “New Technologies for the endovascular treatment of peripheral vascular disease”. Brazilian Congress of Vascular Surgery, Porto Alegre – Brazil, September 2005.
35. **M Guimarães**, F Torres, A Chedid, A Furtado, “Early post operative liver transplantation arterial stenosis treatment with stent placement”. VIII Annual SOBRICE meeting, São Paulo, Brazil, November 2005.
36. **M Guimarães**, P Sanvitto, R Marroni, L Herter, “Diffuse Uterine Fibroid Embolization in a patient with intra-uterine device: case report”. VIII Annual SOBRICE meeting, São Paulo, Brazil, November 2005.

37. Kalakun CK, **Guimarães M**. “Trifasic Helical Computed Tomography is capable of diagnosing Hepatocellular Carcinoma vascular invasion? 36th Paulista Radiology Meeting, São Paulo, Brazil, April, 2006.
38. **Guimarães M**. “Presentation of cases regarding Vascular and Interventional Radiology”. Angiography Club, IX Annual SOBRICE Meeting, São Paulo, Brazil, October 2006.
39. **Guimarães M**, Saitovitch D, Kalil M, Eick R, Lutzky M. “Vascular & Interventional Radiology in Nephrology: Translumbar tunneled dialysis catheter for hemodialysis”. XXII Brazilian Congress of Nephrology, Gramado, Brazil, October 2006.
40. **Guimarães M**, Lutzky M, Eick R, Saitovitch D, Kalil M. “Vascular & Interventional Radiology in Nephrology: Management of Acute Thrombosis and Stenosis in A-V Fistulas”. XXII Brazilian Congress of Nephrology, Gramado, Brazil, October 2006.
41. **Guimarães M**, Eick R, Kalil M, Lutzky M, Saitovitch D. “Vascular & Interventional Radiology in Nephrology: Long-term catheters for hemodialysis”. XXII Brazilian Congress of Nephrology, Gramado, Brazil, October 2006.
42. **Guimarães M**, Berdichevsky R. “Bilateral Renal Artery Stenosis: diagnosis, treatment and results”. XXII Brazilian Congress of Nephrology, Gramado, Brazil, October 2006.
43. Torres F, Hickmann J, Stein N, Agnolin R, Luersen G, Wagner F, Casagrande A, Feldens J, Lohmann J, Anes M, **Guimarães M**, Furtado A. “Myocardium bridge: evaluation under multidetector CTA”. XVIII Annual Radiology Meeting, Gramado, Brazil, August 2007.
44. **M Guimarães**, P Sanvitto, N Brandão da Silva. “Combined Endovascular Techniques in the percutaneous treatment of iliac-caval thrombus”. X Annual SOBRICE meeting, São Paulo, Brazil, November 2007.
45. **M Guimarães**, G Luersen, Marcelo Gazzana, S Barreto, A Porto Alegre. “Percutaneous treatment of acute pulmonary embolism”. X Annual SOBRICE meeting, São Paulo, Brazil, November 2007.
46. **M Guimarães** and P Sanvitto. Presentation of Vascular cases. VII International Course “Hands-on” in Minimally Invasive Surgery & Interventional Radiology, Buenos Aires, Argentina, October 2007.
47. **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.

Lectures & Presentations

1. Lecture: "Current Applications of Vascular and Interventional Radiology". Surgery - Radiology Depts. Meeting, Hospital de Clínicas, Porto Alegre, Brazil, October 2003.
2. Lecture: "New Applications of Interventional Radiology in Gastroenterology and Hepatology". Society of Gastroenterology of Rio Grande do Sul, Porto Alegre, Brazil, October 2004.
3. Lecture: "Update in AAA stent-grafts". Radiology Grand Rounds Conference, Louisiana State University Health Sciences, Shreveport, Louisiana, December 2004.
4. Lecture: "Update in Carotid Artery Stent". Radiology Grand Rounds Conference, Wake Forest Medical University, Winston-Salem, North Carolina, March 2005.
5. Lecture: "Vascular and Interventional Radiology Service at the Hospital Moinhos de Vento". Hospital Administration, Hospital Moinhos de Vento, Porto Alegre, Brazil, July 2005.
6. Lecture: "Interventional Radiology in Liver Transplantation". Transplant Surgery Service, Hospital de Clínicas, Porto Alegre, Brazil, July 2005.
7. Lecture: "Applications of Interventional Radiology in General Surgery". Department of General Surgery, Hospital de Clínicas, Porto Alegre, Brazil, July 2005.
8. Lecture: "Vascular and Interventional Radiology for Intensive Care Unit patients". Intensive Therapy Service, Hospital Moinhos de Vento, Porto Alegre, Brazil, August 2005.
9. Lecture: "Percutaneous Revascularization of the Lower Limbs". Endovascular Revascularization Symposium, Hospital Moinhos de Vento, Porto Alegre, Brazil, August 2005.
10. Lecture: "Radio-frequency ablation in the Percutaneous Treatment of the Hepatocellular Carcinoma". II Workshop in Hepato-Biliary Pancreatic Surgery, Hospital da Santa Casa, Porto Alegre, Brazil, September 2005.
11. Lecture: "Male and Female Varicocele Percutaneous Treatment". Embolition 2005 – Solutions in Embolotherapy, Hospital Vera Cruz, Campinas, Brazil, October 2005.
12. Lecture: "Percutaneous Treatment Hepatic Tumors". Embolition 2005 – Solutions in Embolotherapy, Hospital Vera Cruz, Campinas, Brazil, October 2005.
13. Lecture: "Gastrointestinal Bleeding". Embolition 2005 – Solutions in Embolotherapy, Hospital Vera Cruz, Campinas, Brazil, October 2005.

14. Lecture: "The Embolic Agents: Gelfoam, PVA and Microspheres". Embolition 2005 - Solutions in Embolotherapy, Hospital Vera Cruz, Campinas, Brazil, October 2005.
15. Lecture: "Endovascular Management of vascular trauma. What is important to know?". VIII Annual SOBRICE meeting, São Paulo, Brazil, November 2005.
16. Lecture: "Management of Upper and Lower Gastrointestinal Bleeding. What is important to know?". VIII Annual SOBRICE meeting, São Paulo, Brazil, November 2005.
17. Lecture: "Management of Trans-hepatic Portal-Systemic Shunt complications". VIII Annual SOBRICE meeting, São Paulo, Brazil, November 2005.
18. Lecture: "Percutaneous Interventions in Hepatic-Biliary Disease". Gastroenterology Service, Hospital de Clínicas, Porto Alegre, Brazil, November 2005.
19. Lecture: "TIPS in Portal Hypertension: when is it indicated?". International Workshop: Therapeutic Interventions in Hepatic-Biliary Disease, Hospital de Clínicas, Porto Alegre, Brazil, November 2005.
20. Lecture: "Hepatocellular carcinoma – Minimally Invasive Therapies". International Workshop: Therapeutic Interventions in Hepatic-Biliary Disease, Hospital de Clínicas, Porto Alegre, Brazil, November 2005.
21. Lecture: "Interventional Radiology in the Treatment of Benign Biliary Stenosis". International Workshop: Therapeutic Interventions in Hepatic-Biliary Disease, Hospital de Clínicas, Porto Alegre, Brazil, November 2005.
22. Lecture: "Vascular and Interventional Radiology for Hematology & Oncology Patients". Oncology Service, Hospital Moinhos de Vento, Porto Alegre, Brazil, December 2005.
23. Lecture: "Vascular and Interventional Radiology for the ER patient". Emergency Service, Hospital de Clínicas, Porto Alegre, Brazil, December 2005.
24. Lecture: "CT and US Guided Percutaneous Interventional Procedures – The role of Nurses and Radiology Technicians for successful outcomes", 3 days course, Hospital de Clínicas, Porto Alegre, Brazil, February 2006.
25. Lecture: "Carotid Artery Percutaneous Angioplasty: trials and results". Interventional Radiology & Cardiology Symposium, Goiânia, Brazil, March 2006.
26. Lecture: "Renal artery angioplasty. What is needed to know?". Interventional Radiology & Cardiology Symposium, Goiânia, Brazil, March 2006.

27. Edited cases session: “Challenging Cases in Endovascular Therapy”. III Symposium of Endovascular Therapy, Cardiology Institute, Porto Alegre, Brazil, March 2006.
28. Lecture: “Vascular and Interventional Radiology Procedures – The role of Nurses and Radiology Technicians for successful outcomes”, 3 days course, Hospital de Clínicas, Porto Alegre, Brazil, March 2006.
29. Lecture: “Vascular and Interventional Radiology for Breast Cancer Patients”. Breast Cancer Group, Hospital Moinhos de Vento, Porto Alegre, Brazil, June 2006.
30. Lecture: “Advanced Interventional Radiology Therapies”. XII Nursing Meeting, Hospital de Clínicas, Porto Alegre, Brazil, July 2006.
31. Lecture: “Peripheral Endovascular Interventions”. Annual SOLACI (Latin-American Society of Interventional Cardiology) Meeting, Porto Alegre, Brazil, July 2006.
32. Lecture: “Interventional Radiology in Adrenal Gland Disease”. Endocrinology and Metabolism Congress, IV Obesity Symposium of MERCOSUL, Gramado, Brazil, July 2006.
33. Lecture: “Triple Rule-Out CTA in the chest pain evaluation at the ER”. ER Vascular Unit Symposium, Hospital de Clínicas, Porto Alegre, Brazil, July 2006.
34. Lecture: “Visceral & Peripheral Endovascular Interventions”, COOK Medical Incorporated, Porto Alegre, Brazil, July 2006.
35. Lecture: “Uterine Fibroid Embolization: What the Gynecologist should know”. Women’s Health Service, Hospital Moinhos de Vento, Porto Alegre, Brazil, August 2006.
36. Lecture: “Vascular & Interventional Radiology in Pediatric Patients”, Pediatric Surgery Conference, Hospital de Clínicas, Porto Alegre, Brazil, August 2006.
37. Lecture: “Vascular and Interventional Radiology Unit – Past, Present and Future”. Hospital Administration, Hospital de Clínicas, Porto Alegre, Brazil, October 2006.
38. Lecture: “New Technologies in Carotid Angioplasty”. Update in Stroke – Neuro-Vascular Meeting, Hospital de Clínicas, Porto Alegre, Brazil, November 2006.
39. Lecture: “Update in Tumor radio-frequency ablation”. Radio-frequency Ablation Workshop, IX Annual SOBRICE Meeting, São Paulo, Brazil, November 2006.
40. Lecture: "Update in Liver Chemoembolization". The Sanctuary of Endovascular. Second Annual Conference, Kiawah Island, SC, February 2007.

41. Lecture: "The Particles: Gelfoam, PVA and Microspheres". Embolition 2007 – International Symposium. São Paulo, Brazil, October 2007.
42. Lecture: "The Conductors: Catheters & Microcatheters". Embolition 2007 – International Symposium. São Paulo, Brazil, October 2007.
43. Lecture: "Applications of Embolotherapy in Urology". Embolition 2007 – International Symposium. São Paulo, Brazil, October 2007
44. Lecture: "Applications of Embolotherapy in Trauma". Embolition 2007 – International Symposium. São Paulo, Brazil, October 2007
45. Lecture: " State of the Art: Carotid Stenting". VII International Course “Hands-on” in Minimally Invasive Surgery & Interventional Radiology, Buenos Aires, Argentina, October 2007.
46. Lecture: " State of the Art: Carotid Stenting". VII International Course “Hands-on” in Minimally Invasive Surgery & Interventional Radiology, Buenos Aires, Argentina, October 2007.
47. Lecture: "Interventional Radiology – Basic Principles”. ACE- Endovascular surgery and angioradiology course”, Florianópolis, Brazil, December 2007.
48. Lecture: "Update in Fibroid Embolization”. ACE- Endovascular surgery and angioradiology course”, Florianópolis, Brazil, December 2007.
49. Lecture: "Update in Liver Cancer Embolization”. ACE- Endovascular surgery and angioradiology course”, Florianópolis, Brazil, December 2007.
50. Lecture: "Anatomy of the supra-aortic vessels and intra-cranial circulation”. The Sanctuary of Endovascular. Third Annual Conference, Kiawah Island, SC, February 2008.
51. Lecture: “Subintimal femoral artery recanalization”. MUSC Hospital, April, 2008.
52. Lecture: “Mechanical and Pharmacological Thrombolytic therapy”. MUSC Hospital, April, 2008.
53. Lecture: “Interventional Radiology Applications in Urology”, Urology Grand Rounds, MUSC Hospital, Charleston/SC, August, 2008.
54. Lecture: New Embolic Agents: Vascular Plugs and Drug-elluting beads. Embolition 2008 – International Symposium. Sao Paulo, Brazil, August 2008.
55. Lecture: CO2 as a contrast medium. Embolition 2008 – International Symposium. Sao Paulo, Brazil, August 2008.

56. Lecture: Pulmonary embolism fibrinolysis. When and How to perform. Embolition 2008 – International Symposium. Sao Paulo, Brazil, August 2008.
57. Lecture: Inferior Vena Cava filter. State of the Art. Embolition 2008 – International Symposium. Sao Paulo, Brazil, August 2008.
58. Lecture: VIII CURSO de Cirugía Invasiva Mínima y Radiología Intervencionista. “Management of Peripheral Vascular Disease”. Buenos Aires, Argentina. November 9, 2008.
59. Lecture: VIII CURSO de Cirugía Invasiva Mínima y Radiología Intervencionista. “Uterine fibroid embolization – Where are we?”, Buenos Aires, Argentina. November 9, 2008.
60. Lecture: VIII CURSO de Cirugía Invasiva Mínima y Radiología Intervencionista. Debate: “Treatment of Carotid Stenosis: I prefer carotid stenosis treatment with stent”. Buenos Aires, Argentina. November 10th, 2008.
61. Lecture: VIII CURSO de Cirugía Invasiva Mínima y Radiología Intervencionista. “Presentation and discussion of endovascular intervention cases”). Buenos Aires, Argentina. November 9th, 2008.
62. Lecture: "Percutaneous management AV fistulas and grafts for hemodialysis". SOBRICE 2008, Costa do Sauipe, Bahia, Brazil. November 21st, 2008.
63. Endocrine Grand Rounds, 12/11/08, "Adrenal Venous Sampling", MUSC hospital.
64. Lecture: "Radio frequency ablation in HCC". The Sanctuary of Endovascular Therapy meeting. Kiawah Island, South Carolina. February 19, 2009.
65. Lecture: "Carotid stenting. Distal protection devices". The Sanctuary of Endovascular Therapy meeting. Kiawah Island, South Carolina. February 20, 2009.
66. Lecture: "Innovation in stent technology". The Sanctuary of Endovascular Therapy meeting. Kiawah Island, South Carolina. February 21, 2009.

Workshops & Course Director/Moderator/Chairman

1. Chairman: “International Workshop: Therapeutic Interventions in Hepato-Biliary Disease”. Hospital de Clínicas, Porto Alegre, Brazil, November 2005.

2. Moderator: “Innovations on PTA Products and Absorbable Metal Technology”, BIOTRONIK AG, São Paulo, Brazil, December 2005.
3. Director: “CT and US Guided Percutaneous Interventional Procedures – The role of Nurses and Radiology Technicians for successful outcomes”, 3 days course, Hospital de Clínicas, Porto Alegre, Brazil, February 2006.
4. Director: “Vascular and Interventional Radiology Procedures – The role of Nurses and Radiology Technicians for successful outcomes”, 3 days course, Hospital de Clínicas, Porto Alegre, Brazil, March 2006.
5. Moderator and presentation : “Update in Tumor radio-frequency ablation”. Radio-frequency Ablation Work-shop, IX Annual SOBRICE Meeting, São Paulo, Brazil, November 2006.
6. Chairman: Update in Stroke – Neuro-Vascular Meeting, Hospital de Clínicas, Porto Alegre, Brazil, November 2006.
7. Proctor: "Embolotherapy Training – Hands-on in the Animal Laboratory". Embolization 2007 – International Symposium. São Paulo, Brazil, October 2007.
8. Presentation: “Hepatic Interventional Oncology”, VII International Course “Hands-on” in Minimally Invasive Surgery & Interventional Radiology, Buenos Aires, Argentina, October 2007.
9. Presentation: “COOK - Vascular Procedures Workshop”, VII International Course “Hands-on” in Minimally Invasive Surgery & Interventional Radiology, Buenos Aires, Argentina, October 2007.
10. Moderator and presentation : “Embolic Agents Workshop”, X Annual SOBRICE Meeting, São Paulo, Brazil, November 2007.
11. Moderator and presentation: “Venous controversies – Pulmonary Embolism e Vena Cava Filters”, X Annual SOBRICE Meeting, São Paulo, Brazil, November 2007.
12. Proctor: "Embolotherapy Training – Hands-on in the Animal Laboratory". Embolization 2008 – International Symposium. São Paulo, Brazil, August 2008.
13. Moderator: “Varicocele, Hepatocarcinoma and Uterine fibroid Embolizations – Live cases”. Embolization 2008 – International Symposium. São Paulo, Brazil, August 2008.
14. Workshop Coordinator, VIII CURSO de Cirugía Invasiva Mínima y Radiología Intervencionista. “Symposium of Peripheral Vascular Disease”. Buenos Aires, Argentina. November 9th, 2008.

15. Endovascular workshop instructor in animal laboratory, VIII CURSO de Cirugía Invasiva Mínima y Radiología Intervencionista. Universidad del Salvador, Buenos Aires, Argentina. November 11th, 2008.
16. Workshop: "Hepatic Chemoembolization". SOBRICE 2008, Costa do Sauipe, Bahia, Brazil. November 21st, 2008.
17. Workshop: "Venous Access and AVF/AVG for hemodialysis". SOBRICE 2008, Costa do Sauipe, Bahia, Brazil. November 22nd, 2008.
18. Workshop: Animal laboratory, "Interventional Radiology devices. Hands-on course." MUSC Gazes Research building, February 18th, 2009.

Attended Workshops & Courses

1. ATLS Course – Advanced Trauma Life Support. Cristo Redentor Hospital, Porto Alegre, Brazil, 1998.
2. Course: "ACLS - Advanced Cardiac Life Support". MUSC Hospital, Charleston, South Carolina, 2003-2004.
3. Oncology Course, 12th Annual Advanced Interventional Management (AIM) Symposium, Albert Einstein College of Medicine, New York, New York, November 2004.
4. Vascular Imaging/Stent Grafts Course, 12th Annual Advanced Interventional Management (AIM) Symposium, Albert Einstein College of Medicine, New York, New York, November 2004.
5. Varicose Veins Course, 12th Annual Advanced Interventional Management (AIM) Symposium, Albert Einstein College of Medicine, New York, New York, November 2004.
6. "64 Slice Cardiovascular CT Imaging", Department of Radiology, Charleston, South Carolina, June 2005.
7. Cardiac and Peripheral CTA & MRA Course, Hospital Sírio-Libanês, São Paulo, Brazil, August 2006.
8. GORE TAG Thoracic Endoprosthesis course. Philadelphia, Pennsylvania, July 24-25, 2008.

9. KYPHON Balloon Kyphoplasty Training. Roswell Surgery Center, Roswell, Georgia, June 7, 2008.
10. GORE AAA. Percutaneous approach workshop. Chicago, Illinois, October 13-14, 2008.
11. VIII CURSO de Cirugía Invasiva Mínima y Radiología Intervencionista. Universidad del Salvador, Buenos Aires, Argentina. November 8-11, 2008.
12. SOBRICE 2008, Costa do Sauipe, Bahia, Brazil. November 19-22, 2008.

Publications (Peer-Reviewed)

1. Teixeira C, Pinto L, Kessler F, Paixão L, Schreiner C, **Guimarães M**, Schreiner M, Gastaldo G, Fuchs F. Is the Decoction of Mango Leaves an Antihyperglycemic Tea? *Fitoterapia*. 1998; LXIX ; 2:165-68 (Italy).
2. Schonholz C, Uflacker R , Mendaro E, Parodi JC, **Guimarães M**, Hannegan C, Selby Jr B. Techniques for carotid artery stenting under cerebral protection, *Journal of Cardiovascular Surgery*, 2005, Jun; 46 (3): 201-217.
3. **Guimarães M**, Uflacker R, Schonholz C, Hannegan C, Selby JB. Stent migration complicating treatment of inferior vena cava stenosis after orthotopic liver transplantation. *J Vasc Interv Radiol*. 2005 Sep;16(9):1247-52.
4. Lake D, **Guimarães M**, Ackerman S, Hannegan C, Schonholz C, Selby JB, Uflacker R. Comparative results of Doppler sonography after TIPS using covered and bare stents. *AJR Am J Roentgenol*. 2006 Apr; 186(4):1138-43.
5. Schonholz C, Krajcer Z, Parodi JC, Mendaro E, Hannegan C, D'Agostino H, Selby B, **Guimarães M**, Uflacker M. Stent-graft Treatment of Pseudoaneurysms and Arteriovenous Fistulae in the Carotid Artery. *Vascular Journal* . 2006 May – Jun, 14 (3): 123-9.
6. **Guimarães M**, Schönholz C, Phifer T, and D'Agostino H. Endovascular Repair of a Tracheoinnominate Fistula with a Stent Graft. *Vascular*, Vol. 16, No. 5, 2008, pp. 287-290.
7. **Guimarães M**, Selby JB, Uflacker R, Schonholz C, Hannegan C. Use of Percutaneous Closure Devices in the Removal of Central Venous Catheters from Inadvertent Arterial Catheterizations. Submitted for publication in the *Journal of Cardiovascular Surgery*, August 2007.

8. **Guimaraes M**, Uflacker A, Schönholz, C, Uflacker R. Successful Recanalization of Bile Duct Occlusion with Radiofrequency Puncture Wire Techniques. Submitted for publication in the JVIR, August 2008.

Publications (Non-Peer-Reviewed)

1. Leonardi D, **Guimarães M**, Cezar E. Biologic Dressing in Extensive Burn. Hospital de Pronto Socorro de Porto Alegre Journal. 1998; 44: 39-42 (Brazil).
2. Schirmer C, **Guimarães M**, Lazzaron A, Souza R. Postgastrectomy Syndromes. Journal of Medicina ATM. 1998, 1:131-34 (Brazil).
3. **Guimarães M**, Schmidt A, Perla A, Brodt C, Ramos J. Episiotomy at the Hospital de Clinicas de Porto Alegre - Evaluation of 514 cases. Journal of Medicine ATM. 1998, 1:60-65 (Brazil).
4. **Guimarães M**, “Current applications of Radio-frequency tumor ablation”, Wallstent Journal, publication of the Boston Scientific Company, São Paulo, 2007 (in press) (Brazil).
5. **Guimarães M**. Image guided Endovascular and Visceral Percutaneous Interventions, Bisturi Journal - Hospital Moinhos de Vento, Vol. 141, p. 41-41, 2005 (Brazil).
6. **Guimarães M**, Sanvitto P. Endovascular Treatment of the Abdominal Aorta Aneurysm, Bisturi Journal - Hospital Moinhos de Vento, Vol. 145, p. 46-46, 2007. (in press) (Brazil)
7. Schonholz C, Uflacker R, **Guimaraes M**. Abstract: Tips, Tricks And Precautions For Using Cyanoacrylate Glue As An Embolic Agent, VEITH Symposium (Vascular and Endovascular Issues, Techniques, Horizons), New York, NY. November 20, 2008, published online.

Book Chapters

1. **Guimarães, M**. Percutaneous Treatment of Hemoptysis. In: Intensive Medicine. Edited by E. Barros, Artes Médicas Ed., Porto Alegre, 2007 (in press)
2. **Guimarães M**, Uflacker R. Endovascular Therapy – Fundamental and Basic Techniques. In: Vascular Surgery, Edited by CJ de Brito, 2nd Ed., Revinter, Rio de Janeiro, 2007 (in press)
3. **Guimarães M**, Uflacker R. Catheter Treatment of Renovascular Hypertension – In: Vascular Surgery, Edited by CJ de Brito, 2nd Ed., Revinter, Rio de Janeiro, 2007.

4. Uflacker R, **Guimarães M**. Mesenteric Ischemia – In: Vascular Surgery, Edited by CJ de Brito, 2nd Ed., Revinter, Rio de Janeiro, 2007.
5. **Guimarães M**, Schönholz C, Uflacker R, Huda W. Chapter 7 – Vascular Imaging and Radiation Safety. Published in Comprehensive Vascular and Endovascular Surgery, edited by John W Hallett Jr. et al. Mosby 2009.

Book Citation

Guimarães M, Schmidt A, Perla A, Brodt C, Ramos J. Episiotomy at the Hospital de Clinicas de Porto Alegre - Evaluation of 514 cases. In: Freitas F, Costa S, Ramos J, Magalhaes J. Routines in Obstetrics, Artes Médicas Ed., 2001: p. 231.

Abstracts

Schönholz C, Uflacker R, Guimarães M. Abstract: Tips, Tricks And Precautions For Using Cyanoacrylate Glue As An Embolic Agent, VEITH Symposium (Vascular and Endovascular Issues, Techniques, Horizons), New York, NY. November 20, 2008, published online at <http://www.prolibraries.com/veithsymposium/?select=speaker&speakerID=3566>.

Other Experiences & Activities

Session Coordinator of the 9th Scientific Initiation Meeting, Federal University of Rio Grande do Sul, Porto Alegre - Brazil, Sep/1997

MBA in “Management by Process”, ESPM (Superior School of Advertisement and Marketing) School, Porto Alegre – Brazil, 1999-2000

Legs for Life Program, Evaluation and screening of patients for Peripheral Vascular Disease, MUSC Hospital, Charleston – USA, Sep/2003

Current Scientific Production

1. **M Guimarães**, J Souto. Endovascular Treatment of the Nutcracker Syndrome.
2. **M Guimarães**, E Costa, G Kappel, L Gonçalves, L Moraes, F Wagner, R Agnolin, G Luersen, N Rosito, A Porto Alegre. Treatment of benign gastric-esophageal post surgical anastomosis performed for esophageal atresia.

3. **M Guimarães**, E Costa, R Agnolin, F Wagner, G Luersen, R Silveira, J Fraga, A Porto Alegre, E Miura. Interventional Radiology in the treatment of critical tracheal-bronchial benign stenosis.
4. **Guimarães M**, Uflacker R, Schonholz C, Hannegan C, Selby JB. “Percutaneous retrieval of an Amplatzer device from the aortic arch – case report”.
5. **Guimarães M**, Uflacker R, Schonholz C, Hannegan C, Selby JB. “Asymptomatic Carotid stent fracture – case report. Percutaneous retrieval of an Amplatzer device from the aortic arch”.
6. **Guimarães M**, Uflacker R, Schonholz C, Hannegan C, Selby JB. “Supra-aortic vessels normal anatomy and variations in xx patients”.