### CURRICULUM VITAE

# Linda Anne Hughes, M.D.

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Business Address:	Unique Interventional Radiology Pompano 2283 SW 2nd Street Pompano Beach, FL 33069 Office (954) 884-8150 Facsimile (954) 933-2896
Work Experience:	
August 2018-Present	Medical Director Interventional Radiologist Unique Interventional Radiology Pompano 2283 SW 2nd Street Pompano, FL 33069
June 2008-July 2018	Interventional Radiologist Broward Health North Broward Radiologists, PA 1801 South Perimeter Road, Suite 180 Fort Lauderdale, FL 33309
August 2007-April 2008	Interventional Radiologist Northwest Medical Center 2801 N State Road 7 Margate, FL 33063
September 2006–April 2008	Chief of Diagnostic and Interventional Radiology North Ridge Medical Center 5757 N Dixie Highway Fort Lauderdale, FL 33334
August 2004–August 2006	Interventional Radiologist Radiology Associates of Hollywood Memorial Healthcare System 9050 Pines Boulevard, Suite 200 Pembroke Pines, FL 33024
August 2000-July 2004	Interventional Radiologist Cochief, Interventional Radiology Director, Non-Invasive Vascular Laboratory

	Holy Cross Hospital 4725 North Federal Highway Fort Lauderdale, FL 33308	
October 1999-July 2000	Interventional Radiologist/Visiting Professo Miami Cardiac & Vascular Institute Baptist Hospital of Miami 8900 North Kendall Drive Miami, FL 33176	or
July 1998-October 1999	Diagnostic and Interventional Radiologist Holy Cross Hospital 4725 North Federal Highway Fort Lauderdale, FL 33308	
Education:		
M.D.	Boston University School of Medicine Boston, MA	09/1987 -06/1991
M.S.	Pharmacology, Massachusetts College of Pharmacy and Allied Health Sciences Boston, MA	06/1987 – 09/1981
B.A.	Biology, Wheaton College Norton, MA	09/1981 - 06/1985
Post-Graduate Education:		
Fellowship	Miami Cardiac & Vascular Institute Vascular and Interventional Radiology Baptist Hospital of Miami, FL	07/1997- 06/1998
Residency	Department of Radiological Sciences Beth Israel Deaconess Medical Center Boston, MA	07/1993-06/1997
Research Fellowship	Department of Radiological Sciences, New England Deaconess Hospital, Boston, MA	07/1992-06/1993
Internship	Department of Medicine New England Deaconess Hospital, Boston, MA	07/1991-061992

# Academic Appointments:

Voluntary Clin	nical Assistant Professor of Radiology	1999-2000
University of I	Miami/Jackson Memorial Hospital	
University of	Miami/Jackson Memorial Hospital	

### Miami, FL

Voluntary Professor School of Biomedical Engineering Florida International University Miami, FL	1999-2001
Chief Resident Department of Radiological Sciences Beth Israel Deaconess Medical Center Boston, MA	1996-1997
Clinical Fellow Harvard Medical School, Boston, MA	1991-1997

# Licensure:

Florida (Active)	1997
California (Active)	1996
Commonwealth of Massachusetts (Active)	1992

### **Board Certification:**

CAQ in Cardiovascular/Interventional Radiology	1999
Diplomate, American Board of Radiology	1997

# **Hospital Committee Service:**

	Holy Cross Hospital Continuing Medical Education Committee	1998-1999
	Miami Cardiac & Vascular Institute Peripheral Vascular Lab. Con	nmittee 1999-2000
	Miami Cardiac & Vascular Institute Research Committee	1999-
2000		
	Holy Cross Hospital Institutional Review Board	2001-2004
	Memorial Regional Hospital Vascular Medicine Committee	2004-2006
	North Ridge Medical Center Medical Executive Committee	2006-2008
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# Honors and Awards:

Dean's List, Wheaton College	1982-1985
Graduated Cum Laude from Wheaton College	1985
Honors on Senior Major Proficiency Exam	1985
Bradbury-White Scholarship	1985
(Awarded by Massachusetts College of Pharmacy for	
excellence in pharmacology)	
Julia F. Lange Fellowship	1985
(Alumnae scholarship awarded by Wheaton College for graduate	
study in Medicine or Biology)	
Rho Chi Pharmaceutical Honor Society, Psi Chapter	1986
Dean's Honor List, Massachusetts College of Pharmacy and	1986-1987

Allied Health Services	
Alpha Omega Alpha Honor Medical Society	1990
"Introduction to Research" Program	1995
RSNA/AUR/ARRS, Washington, DC	
Excellence In Health Care Awards	2011
South Florida Business Journal	

# **Professional Society Memberships:**

1987-1997	American Medical Women's Society
1987-Present	American Medical Association
1987-1997	Massachusetts Medical Society
1992-Present	Radiological Society of North America
1993-2000	American Roentgen Ray Society
1994-1997	American Association for Women Radiologists
1997-Present	South Florida Society of Vascular and Interventional Radiology
1999-Present	American College of Radiology
1999-Present	Society of Cardiovascular and Interventional Radiology
1999-2003	President, South Florida Society of Vascular/Interventional Radiology
2001-Present	Medical Advisory Committee, Gilda's Club, South Florida Chapter
2001-2004	St. Luke Society for Physicians, South Florida Chapter, Steering Committee
2005-Present	Fort Lauderdale Surgical Society
2006-2008	North Ridge Medical Center Medical Executive Committee
2013-2015	Secretary, Fort Lauderdale Surgical Society
2015-2017	Treasurer, Fort Lauderdale Surgical Society
2017-Present	Vice President, Fort Lauderdale Surgical Society
2015-Present	Broward County Medical Association
2016-Present	Caducean Society of Greater Fort Lauderdale
2017-2019	Vice President, Fort Lauderdale Surgical Society
2019-Present	President, Fort Lauderdale Surgical Society

### **Research:**

1. (Summer)	Joslin Diabetes Center, Department of Data Management, Boston, MA Research Assistant: Cohort study of the effect of diethylstilbestrol in diabetic women.
1982-1984 (Summer)	Chestnut Hill Consultants, Inc., Chestnut Hill, MA (Management consultant firm specializing in health care industry). Research Assistant: library research and administrative activities involving the delivery of health care services.
1983.	Polymorphonuclear cell isolation: Development of methodology for polymorphonucleated isolation for in vitro study of leukotriene production. Under direction of Edmund Y. Tong, Ph.D.,

	Professor of Biology, Department of Biology, Wheaton College, Norton, MA
1984.	Arachidonic acid metabolites, inflammation, and corneal angiogenesis: Qualitative and quantitative analysis of prostaglandins E2 and F2a, and leukotrienes in corneal neovascularization post thermally induced inflammation.
	Under direction of Edmund Y. Tong, Ph.D., Professor of Biology, Department of Biology, Wheaton College, Norton, MA
	Professor of Biology, Department of Biology, wheaton Conege, Norton, MA
1987.	Chronic Aspartame and its effects on blood pressure regulation: Assessment of the chronic consumption of aspartame and its metabolites on blood pressure regulation via the analysis of catecholamine release and adrener- gic receptor sensitivity. Under direction of Timothy J. Maher, Ph.D.,
	Associate Professor and Chairman,
	Department of Pharmacology, Massachusetts College of Pharmacy, Boston, MA

# **Teaching Responsibilities:**

1984-1985	Biology and Chemistry Tutor, Cell Physiology Teaching Assistant, Wheaton College, Norton, MA
1985-1987	Biology Tutor, Proctor for undergraduate exams, Massachusetts College of Pharmacy, Boston, MA
1986.	Graduate Teaching Assistant in Department of Chemistry and Physics, Chemistry Laboratory Instructor for Department of Nursing, Chemistry Tutor, Proctor for undergraduate Chemistry exams, Massachusetts College of Pharmacy, Boston, MA
1987-1989	Lecturer for graduate courses in Physiology and Pharmacology, Massachusetts College of Pharmacy, Boston, MA
1988-1989	ATLS course offered by American College of Surgeons Under direction of Mark Weinstein, M.D. Assisted physicians with practical skills of trauma Assessment/resuscitation Beth Israel Hospital, Boston, MA

### **Editorial Activities:**

1996-2004	Manuscript Reviewer
	Journal of Computed Axial Tomography

# **Publications:**

1. Hartnell GG, **Hughes LA**, Longmaid HE, Finn JP. Use of magnetic resonance angiography in the evaluation of pelvic vessels. **Br. J Radiology** 1993; 66:42-43.

- 2. Kane RA, **Hughes LA**, Cua EJ, Steele GD, Jenkins RL, Cady B. The impact of intraoperative ultrasound on surgery for liver neoplasms. **J Ultrasound Med.**, 1994; 13:1-6.
- 3. Ecklund KE, Hartnell GG, **Hughes LA**, Strokes KR, Fin JP, Longmaid HE. MR Angiography as the sole method for evaluating abdominal aortic aneurysms; correlation with conventional techniques and surgery. **Radiology** 1994; 192:345-350.
- 4. Hartnell GG, **Hughes LA**, Finn JP, Longmaid HE. Magnetic resonance angiography of the central chest veins: A new gold standard? **Chest** 1995; 107(4): 1053-1057.
- 5. Hartnell GG, **Hughes LA**, Longmaid HE, Finn JP. Body magnetic resonance angiography and its effect on the use of alternative imaging-experience in 1026 patients. **Br J Radiology** 1995; 68:375-378.
- 6. **Hughes LA**, Hartnell GG, Finn JP, Longmaid HE, Volpe J, Clouse ME. Time-of-flight MR angiography of the portal venous system: Value compared with other imaging procedures. **AJR** 1996; 166:375-375
- Hartnell GG, Hughes LA, Ko JP, Cohen MA. Magnetic resonance imaging of pericardial constriction: comparison of cine MR angiography and spin-echo techniques. Clinical Radiology 1996; 51:268-272
- 8. Hartnell GG, Spence LD, **Hughes LA**, Cohen MC, Saouaf R. Buff B. Safety of MR in patients who have retained metallic materials following cardiac surgery. **AJR** 1997; 168:1157-1159.
- 9. Worthington-Kirsch RL, **Hughes LA**, Uterine artery embolization vascular anatomic considerations and procedure techniques. **Uterine Fibroids Embolization and other treatments**. Edited by Togas Tulandi, Cambridge University Press 2003; 83-90.
- 10. **Hughes LA**, Guest editor and case presentations. Cases in clinical focus, reports and expert commentary: Clinical cases in high-risk pulmonary embolism: the evolving role of thrombolytic therapy. Rogers Medical Intelligence Solutions, 2004.

#### **Presentations:**

- Body magnetic resonance angiography: One year's experience of time-of-flight MRA 79<sup>th</sup> Annual Scientific Assembly Radiological Society of North America Chicago, IL December, 1993
- Metallic stents in malignant biliary obstruction: Experience with 75 patients 1994 Inaugural World Congress of the International Hepato-Pancreatico-Biliary Association. Boston, MA June, 1994
- 3. MR imaging for the detection of pericardial thickening: Are all sequences created

equal?, Comparison of cine and SE methods. 80<sup>th</sup> Annual Scientific Assembly Radiological Society of North America Chicago, IL December, 1994

- Legs for Life-SCVIR/PVD Screening Program Holy Cross Hospital Fort Lauderdale, FL September, 1998, 2000 and 2001
- 5. The Role of the Interventional Radiologist in Diagnosing/Treating Peripheral Vascular Disease.
   Holy Cross Hospital, Fort Lauderdale, FL September, 1998
- Catheter Directed Venous Thrombolysis–Radiology Grand Rounds Beth Israel Deaconess Medical Center Harvard Medical School Boston, MA October, 1998
- The Role of the Radiologist/Mammography/Ultrasound Aired on Channel 6 News Breast Awareness Month – speaker at program for high school students Holy Cross Hospital Fort Lauderdale, FL October, 1998
- Uterine Artery Embolization for Symptomatic Fibroids Women's Executive Counsel of Broward County Health Seminar Holy Cross Hospital Fort Lauderdale, FL February, 1999
- Nonsurgical Management of Uterine Fibroids About Women by Women Holy Cross Hospital Fort Lauderdale, FL August, 1999
- Uterine Artery Embolization for Symptomatic Fibroids CME Lecture Obstetrics/Gynecology Department Holy Cross Hospital Fort Lauderdale, FL October, 1999
- International Symposium on Endovascular Therapy-Live case demonstration Mechanical Thrombectomy of arteriovenous hemodialysis fistula Miami, FL

January, 2000

- 12. Uterine Artery Embolization South Florida Ultrasound Society Fort Lauderdale, FL January, 2000
- Uterine Artery Embolization Dinner with Doctor Community Medical Education Holy Cross Hospital Fort Lauderdale, FL November, 2000
- Fighting Compression Fractures with Vertebroplasty Dinner with Doctor Community Medical Education Holy Cross Hospital Fort Lauderdale, FL February, 2001
- Vertebroplasty Continuing Medical Education Rounds Holy Cross Hospital Fort Lauderdale, FL April, 2001
- Emerging Perspectives on Thrombolytic Therapy Fort Lauderdale, FL April, 2001
- 17. Uterine Artery Embolization: A Nonsurgical Approach to the Treatment of Symptomatic Uterine Fibroids
  9th Annual Congress on Women's Health and Gender- Based Medicine Washington, DC.
  June, 2001
- Advanced Techniques in Uterine Fibroid Treatment Endosurgical & Endovascular Therapy 2001 Hartford, CT June, 2001
- The Role of the Interventional Radiologist in your Medical Practice Fort Lauderdale, FL September, 2001
- Loving Your Legs for a Lifetime Dinner with Doctor Community Medical Education Holy Cross Hospital Fort Lauderdale, FL September, 2001

- Peripheral Vascular Disease and the Interventional Radiologist "House Calls"- Public Cable Television Interview Holy Cross Hospital Fort Lauderdale, FL October, 2001
- 22. The Truth About Uterine Fibroids Holy Cross Hospital Special Lecture Series Fort Lauderdale, FL January, 2002
- Treating Fractures Caused by Osteoporosis Dinner with Doctor Community Education Series Holy Cross Hospital Fort Lauderdale, FL January, 2002
- Uterine Artery Embolization (UAE) for Uterine Fibroids West Boca Medical Center Obstetrics and Gynecology Quarterly Meeting Boca Raton, FL February, 2002
- 25. Uterine Artery Embolization Women's Health 2002: Clinical Insights for the Practitioner Williamsburg, VA April, 2002
- 26. Loving Your Legs for a Lifetime Dinner with Doctor Community Education Series Holy Cross Hospital Fort Lauderdale, FL October, 2002
- Interventional Radiology and the Intensive Care Patient American Association of Critical Care Nurses; Broward County Chapter Fort Lauderdale, FL January, 2003
- Vertebroplasty: What, When, and for Whom? Women's Health 2003: Clinical Insights for the Practitioner Williamsburg, VA April, 2003
- 29. Interventional Radiology: What is it and why should I care? For Women by Women Series/Tea at Lily's Fort Lauderdale, FL August, 2003
- 30. Relief from Vascular Disease

Dinner with Doctor Community Education Series Holy Cross Hospital Fort Lauderdale, FL October, 2003

- Something "Special" about Special Procedures: The New Age of Interventional Radiology Practice Development Workshop International Symposium on Endovascular Therapy Miami, FL January, 2004
- Radiofrequency Ablation: A Nonsurgical Approach to Maligancy Captain's Club of the Coral Ridge Yacht Club Fort Lauderdale, FL February, 2004
- Peripheral Vascular Disease: A Multidisciplinary Approach Broward Podiatry Association Fort Lauderdale, FL March 2004
- Uterine Artery Embolization: Here to stay.
   Broward County Nurse Practitioner Association Hollywood, FL February 2005
- 35. Uterine Artery Embolization: What to Know Outside the Interventional Suite. Southeast Florida Association of Vascular and Interventional Radiographers Hollywood, FL November 2005
- 36. How Can You Mend a Broken Back: Is Vertebroplasty right for your patient? Southeast Florida Association of Vascular and Interventional Radiographers Hollywood, FL April 2007
- Acute Compression Fractures: New Treatment Options Fort Lauderdale Retired Physician Society December 2007
- Uterine Fibroid Embolization: A Nonsurgical Alternative Broward Health Community Outreach Fort Lauderdale, FL 2008-2009
- What's New in Embolization Techniques Fort Lauderdale Surgical Society Fort Lauderdale, FL March 2009

- 40. Fibroids and Uterine Fibroid Embolization Broward County Alumnae Chapter Delta Sigma Theta Sorority, Inc. Fort Lauderdale, FL March 2009
- Hemodialysis Access Management Continuing Education Course for Clinical Staff Fort Lauderdale, FL March 2009
- 42. The Role of Interventional Radiology in Podiatry South Florida Podiatry Association Quarterly Meeting Pompano Beach, FL March 2010
- Uterine Fibroid Embolization: an Alternative to Hysterectomy Comcast Newsmakers Television Interview Fort Lauderdale, FL March 2010
- 44. Update on Minimally Invasive Techniques in the Treatment of Primary and Metastatic Hepatic Malignancy Broward Health and Moffit Cancer Center Symposium Fort Lauderdale, FL September 2010
- 45. Update On Thoracic and Abdominal Aneurysm Aortic Repair Fort Lauderdale Surgical Society Fort Lauderdale, FL March 2011
- Peripheral Artery Disease Dateline Health Nova Southeastern University Fort Lauderdale, FL December 2011
- 47. Carotid Artery Disease: Treatment Options and Clinical Data Review Fort Lauderdale Surgical Society Fort Lauderdale, FL March 2012
- 48. Nonsurgical Option for Treating Symptomatic Uterine Fibroids First Ladies Relief Retreat: Community Health Talk Powerful Women of Purpose Plantation, FL April 2012
- 49. Osteoporosis: Diagnosis, Prevention, Complications and Treatment Options

Broward Health Imperial Point Day for Women Fort Lauderdale, FL May 2012

- 50. Uterine Artery Embolization
   Dr. Ben Graber Gynecology Hour
   AM Radio 850
   Broward, Miami Dade, Palm Beach Counties, FL
   October 2012
- 51. Cardiovascular Surgery and Interventional Radiology: Updates at Broward Health Dateline Health Anniversary Show 350 Nova Southeastern University Fort Lauderdale, FL January 2013
- 52. The Role of Interventional Radiology in the Management of Complex Colorectal Disease 2017 Colorectal Symposium Westside Regional Medical Center Plantation, FL March 2017
- 53. The Role of Interventional Radiology in Peritoneal Dialysis South Florida DaVita Home Dialysis Annual Summit Fort Lauderdale, FL November 2018
- 54. The Role of Interventional Radiology in Chronic Kidney Disease Florida Renal Association 46th Annual Meeting Delray Beach, FL July 2019
- 55. Interventional Radiology and Chronic Kidney Disease Davita Kidney Care Biannual Administrator Meeting Hollywood, FL July 2019

#### Abstracts:

- 1. Hartnell G, **Hughes LA**, Longmaid H, Finn JP. Pelvic Magnetic Resonance Angiography: Development of a valuable non-invasive technique. CIRSE Annual Meeting and Post graduate Course, Budapest, Hungary. June 1993.
- 2. Hartnell GG, **Hughes LA**, Longmaid HE, Finn JP. Body Magnetic Resonance Angiography: Experience with the first 1158 patients. 51<sup>st</sup> Annual Congress of the British Institute of Radiology, Glasgow, Scotland. May 1993.

- 3. Hartnell GG, **Hughes LA**, Longmaid HE, Finn JP. Uses of Magnetic Resonance Angiography in the Evaluation of Pelvic Vessels. 51<sup>st</sup> Annual Congress of the British Institute of Radiology, Glasgow, Scotland. May 1993.
- 4. Costello P, **Hughes LA**, Gates J. Optimization of contrast use for thoracic spiral CT. 79<sup>th</sup> Annual Meeting, Radiological Society of North America, Chicago, IL. December 1993.
- 5. Buff B, Eustance S, Kruskal J, **Hughes LA**, Longmaid HE, Hartnell GG, et al. The role of magnetic resonance angiography in preliver transplant evaluation. Academic Radiology 1994; 1:407
- 6. Jordan S, Hartnell GG, **Hughes LA**, Ecklund KE, Buff B. Magnetic resonance angiography of the aorta-correlation with surgical finding. Academic Radiology 1994; 1:414.
- 7. **Hughes LA**, Hartnell GG, Buff B, Finn JP. Magnetic resonance angiography of systemic chest veins-a new "gold standard?" Academic Radiology 1994; 1:426
- 8. Costello P, **Hughes LA**, Gates J. Optimization of contrast medium in thoracic CT. Academic Radiology 1994.
- 9. Ko J, Hartnell GG, **Hughes LA**, Cohen MC. MR Imaging in detection of cardiac tumors: Sources of error and how to avoid them. Radiology 1994; 193-216.
- 10. Hartnell GG, **Hughes LA**, Ko JP, Cohen MC. Magnetic resonance imaging for detecting pericardial constriction: Is all MRI the same? A comparison of cine and echo techniques. Clinical Radiology 1994; 49:758.
- 11. Eustace S, Buff, Kruskal J, **Hughes LA**, Longmaid HE, Hartnell GG, et al. The role of magnetic resonance angiography in preliver transplant evaluation. 95<sup>th</sup> Annual Meeting of the American Roentgen Ray Society, Washington, DC, April 1995.

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