

**CURRICULUM VITAE**

**Name:** Robert I. White, Jr., M.D.

**Appointment:** Professor of Diagnostic Radiology

**School:** Yale University School of Medicine

**Education:** B.A. Pre-Medicine, Pomona College, 1959  
M.D. Baylor University College of Medicine, 1963 (magna cum laude)  
Masters Privatum, Yale University, 1988

**Career/Academic Appointments:**

Jul 1963 - Jun 1964 Medical Intern, Osler Medical Service, Johns Hopkins Hospital, Baltimore, MD

Jul 1964 – Jun 1966 Fellow, Cardiology, Department of Medicine, Johns Hopkins Hospital, Baltimore, MD

Jul 1966 – Jun 1967 Medical & Radiology Residency Mixed Year, Johns Hopkins Hospital, Baltimore, MD

Jul 1967 – Jun 1968 Radiology Resident, Los Angeles County Harbor General Hospital, Los Angeles, CA

Jul 1968 – Dec 1969 Radiology Resident, Johns Hopkins Hospital, Baltimore, MD

Jan 1970 – Jun 1970 Instructor of Radiology, Johns Hopkins Hospital, Baltimore, MD

Jul 1971 – Jun 1972 Fellow with Kurt Amplatz, Cardiovascular Radiology, University of Minnesota, Minneapolis, MN

Jul 1972 – Jun 1977 Assistant Professor, Department of Radiology, Johns Hopkins Hospital, Baltimore, MD

Jul 1973 – Jun 1977 Assistant Professor of Medicine and Radiology, Johns Hopkins Hospital, Baltimore, MD

Jul 1977 – Jun 1978 Associate Professor of Medicine and Radiology, Johns Hopkins Hospital, Baltimore, MD

Jul 1978 – Jun 1988 Professor of Radiology, Johns Hopkins University, Baltimore, MD

Jul 1979 – Jun 1988 Professor of Medicine, Johns Hopkins University, Baltimore, MD

Jul 1980 – Jun 1988 Professor of Surgery, Johns Hopkins University, Baltimore, MD

Jul 1980 – Jun 1988 Professor of Pediatrics, Johns Hopkins University, Baltimore, MD

Mar 1988 – present Professor of Diagnostic Radiology, Yale University School of Medicine, New Haven, CT

**Administrative Positions:**

Jul 1972 – Jun 1988 Director, Cardiovascular Diagnostic Laboratory, Johns Hopkins Hospital, Baltimore, MD

Mar 1988 – Jun 1995 Chairman, Department of Diagnostic Radiology, Yale University School of Medicine, New Haven, CT

Jul 1995 - present Director, Yale Vascular Malformation Center, Yale University School of Medicine, New Haven, CT

**Board Certification:**

American College of Radiology, Diagnostic Radiology, 1970  
American College of Radiology, Diagnostic Radiology, Vascular and Interventional Radiology, 1994

**Professional Honors & Recognition:**

A) International/National/Regional

- 2010: ISET 2010 Career Achievement Award
- 2009: America’s Top Doctors 2009, Castle Connolly Medical Ltd.
- 2008: America’s Top Doctors 2008, Castle Connolly Medical Ltd.
- 2007: America’s Top Doctors 2007, Castle Connolly Medical Ltd.
- 2007: Society of Scholars, Johns Hopkins University (induction May 2007)
- 2007: Innovator Award, Society of Interventional Radiology
- 2006: America’s Top Doctors 2006, Castle Connolly Medical Ltd.
- 2005: Distinguished Alumnus Award, Baylor College of Medicine
- 2005: America’s Top Doctors 2005, Castle Connolly Medical Ltd.
- 2005: Genetic Alliance Award
- 2004: New York Magazine’s Best Doctor 2004, Castle Connolly Medical Ltd.
- 2000: Society of Cardiovascular & Interventional Radiology, (SCVIR) – Gold Medal Award
- 1994: Organizer and Examiner – American Board of Radiology Certificate of Added Competence (CAQ) Interventional Radiology
- 1994: Appointed to a supervisory panel of six physicians by the United States Court of Appeals to administrate the Bowling-Pfizer settlement for patients with malfunction of Bjork-Shiley valve
- 1993: Spoke to Ron Wyden’s Congressional Committee on HMO abuse
- 1990: Organized the Hereditary Hemorrhagic Telangiectasia Foundation Inc. with 15 former patients
- 1981-1988: Examiner, American Board of Radiology
- 1984: President, American Society of Cardiovascular and Interventional Radiology
- 1981: Fellow, American College of Radiology
- 1970-1973: Scholar in Radiological Research of the James Picker Foundation
- 1962: Alpha Omega Alpha, Baylor University, College of Medicine

B) University

NONE

**Grant History:**

A) Current Grants

NONE

B) Past Grants

Agency:	March of Dimes
I.D.#:	HHTFY99-677

Title: Molecular analysis of HHT will permit detection in newborns, genotype/phenotype correlations, and insights into mechanisms and management of the disorder.  
 P.I. Robert I. White, Jr., M.D.  
 Percent effort: 25%  
 Total costs for project period: \$500,000  
 Project period: 1999-2004

Agency: Illinois Soy Bean  
 I.D.#: N/A  
 Title: Study of soy concentrate to control epistaxis.  
 P.I. Robert I. White, Jr., M.D.  
 Percent effort: 25%  
 Total costs for project period: \$176,000  
 Project period: 1994-1997

Agency: National Institutes of Health  
 I.D.#: R01 HL34516.  
 Title: Transluminal Angioplasty Research. Congenital Heart Disease.  
 P.I. Robert I. White, Jr., M.D.  
 Percent effort: 50%  
 Total costs for project period: \$398,828  
 Project period: 1984-1987

Agency: National Institutes of Health  
 I.D.#: R01 Am 20185-01A1  
 Title: Radiology pathophysiology and imaging of mesenteric ischemia.  
 P.I. Robert I. White, Jr., M.D.  
 Percent effort: 50%  
 Total costs for project period: \$725,000  
 Project period: 1978-1984

Agency: National Institutes of Health  
 I.D.#: N/A  
 Title: Cardiovascular Radiology Training Grant  
 P.I. Robert I. White, Jr., M.D.  
 Percent effort: 100%  
 Total costs for project period: \$650,000  
 Project period: 1972-1977

#### Lectures, Courses, Web-based Education:

2008: HHT Refresher Course, American Academy of Otolaryngology  
 2007: Connecticut State Chest Conference

- 2007: HHT Refresher Course, American Academy of Otolaryngology  
 2007: Pediatric Grand Rounds, Yale School of Medicine  
 2006: Radiology Grand Rounds, SUNY Downstate Medical Center  
 2006: Resident Morning Lectures, Yale School of Medicine  
 2006: Visiting Professor and Lecturer, Singapore General Hospital  
 2006: Visiting Professor and Lecturer, Bangkok General Hospital  
 2006: Featured Speaker, 7<sup>th</sup> Asian-Pacific Congress of Cardiovascular and Interventional Radiology  
 2006: HHT Refresher Course, American Society of Otolaryngology  
 2006: Fellow Lectures, Yale School of Medicine  
 2005: Ninth Annual Thomas J. Godar Pulmonary/Critical Care Symposium – Pulmonary Arterial Venous Malformation – Clinical Course, Consequences and Treatment, St. Francis Hospital, Hartford, Conn.  
 2003: David A. Dines Lecture, Mayo Clinic  
 2003: Seventh Annual Charles J. Tegtmeyer Lecture, ISET, Miami, Florida  
 2000: The David M. Gould Lectureship in Radiology, Johns Hopkins University Osler Weber Rendu Syndrome in the 21<sup>st</sup> Century  
 1999: The Squires Club, University of Toronto, St. Michaels Hospital – What Would Sir William Osler Think About Modern Health Care Reform  
 1998: A. Everette James, Jr. Lecture, Vanderbilt University – Clinical Lessons Learned From Vascular Malformations: Reflections on the Past Twenty Years  
 1997: Annual Oration Philadelphia Roentgen Ray Society in honor of Dr. Arnold Chait  
 1995: 15<sup>th</sup> Bernard S. Epstein Memorial Lecturer, Long Island Jewish Hospital  
 1993: Sanfurd Bluestein Lecture, Yale University  
 1990: Memorial Award, Chicago Radiological Society  
 1990: The Fourth Howard James Ricketts Memorial Lecture, University of Washington  
 1990: Second Thomas C. Beneventano Lecture, Montefiore Hospital, Albert Einstein University  
 1988: Fifth Annual H. Stephen Weens Lecture, Emory University School of Medicine  
 1986: Third Lester Paul Lecture, University of Wisconsin  
 1986: 39th W. Edward Chamberlain Lecture, Temple University  
 1985: Eugene P. Pendergrass New Horizons Lecture: Interventional Radiology: Reflections and Expectations, RSNA, Chicago  
 1985: Categorical Course, “Embolotherapy of the kidney, lung and vascular malformations,” American Roentgen Ray Society, Boston

## PROFESSIONAL SERVICE

### Peer Review Groups/Grant Study Sections

NONE

### Journal Service

1989-present	Editorial Board and Consultant to Editor of Journal of Vascular and Interventional Radiology,
1975-present	Reviewer, Chest
1975-present	Reviewer, American Journal of Medical Genetics
1975-present	Reviewer, New England Journal of Medicine
1975-present	Reviewer, Journal of Cardiovascular and Interventional Radiology
1974-present	Reviewer - Referee, Investigative Radiology
1973-present	Reviewer - Referee, Radiology

1973 Reviewer - Referee, American Journal of Roentgenology

### Professional Organizations

#### **Hereditary Hemorrhagic Telangiectasia Foundation**

1990-present Strategic Planning Committee  
 1990-2004 Chair, Medical Advisory Board, 1990-2004  
 1990 Founder

#### **Society of Interventional Radiology**

2000-present Resident and Fellow Education Committee  
 1985-present Member, Past Presidents' Committee (Development)  
 1984-85 President  
 1983-84 Vice President  
 1982-83 Secretary

#### **American Roentgen Ray Society**

1990-91 Member, Publications and Editorial Policy Committee

#### **Maryland Heart Association**

1975-79 Member, Research Allocations Committee

#### **Council on Cardiovascular Radiology**

1975-79 Fellow

#### **American Heart Association**

1975-79 Fellow

#### **Radiological Society of North America Inc.**

Late 1980's Member, Program Committee

#### **Meeting Planning/Participation**

2008 Moderator/Presenter, Cardiovascular and Interventional Radiological Society of Europe (European Conference on Embolotherapy), Florence, Italy  
 2008 Moderator/Presenter, Society of Interventional Radiology annual scientific meeting, Washington, DC  
 2008 Moderator/Presenter, Global Embolization Symposium and Technologies 2008 conference, Barcelona, Spain  
 2007 Session Chairman, "Pulmonary AVMs," VII International HHT Scientific Conference, Capri, Italy  
 2007 Moderator, Global Embolization Symposium and Technologies 2007 conference, Barcelona, Spain  
 2006 Moderator and Discussant, Clinical Practice Session, Cardiovascular and Interventional Radiological Society of Europe, Rome, Italy

**Yale University Service  
 University Committees  
 NONE**

**Medical School Committees**

1988-95 Chairs' Committee, Yale School of Medicine  
1988-95 Yale Comprehensive Cancer Center  
1988-95 Yale AOA Chapter

**Departmental Committees**

1988-2006 Promotion Committee

**Hospital Boards & Committees**

NONE

**Public Service**

1977-present Consultant and Lecturer, Radiology Service, National Naval Medical Center, Bethesda, MD

**BIBLIOGRAPHY:**

1. Peer-Reviewed Manuscripts

**White RI Jr**, Alexander JK: Body oxygen consumption and pulmonary ventilation in obese subjects. *J Applied Physiol* 20:197-200, Mar 1965.

Criley JM, Lewis KB, **White RI Jr**, Ross RS: Pressure gradients without obstruction: a new concept of "hypertrophic subaortic stenosis". *Circulation* 32:881-887, Dec 1965.

Ross RS, Criley JM, Lewis KB, **White RI Jr**, Wilson WS: Isometric contraction in the late systole: a new explanation for the intra-ventricular pressure differences in idiopathic hypertrophic subaortic stenosis (IHSS). *Trans Am Clin & Climatol Assoc* 7:48-57, 1965.

**White RI Jr**, Humphries JO: Direct current electroshock in the treatment of supraventricular arrhythmias. *J Pediatr* 70:119-121, Jan 1967.

**White RI Jr**, Criley JM, Lewis KB, Ross RS: Experimental production of intracavity pressure differences. *Am J Cardiol* 19:806-817, Jun 1967.

Painter WE, DiDonato RR, **White RI Jr**: Renal arteriovenous aneurysm causing hydronephrosis and renal atrophy. *Am J Roentgenol Rad Therapy & Nucl Med* 104:306-311, Oct 1968.

Hinkes P, Rosenquist GC, **White RI Jr**: Roentgenographic re-examination of the internal anatomy of Taussing-Bing heart. *Am Heart J* 81:335-339, Mar 1971.

**White RI Jr**, James AE Jr, Wagner HN Jr: The significance of unilateral absence of pulmonary artery perfusion by lung scanning. *Am J Roentgenol Rad Therapy & Nucl Med* 111:501-509, 1971.

James AE Jr, Conway JJ, Chang CH, Cooper M, **White RI Jr**, Strauss HW: The fissure sign: its multiple causes. *Am J Roentgenol Rad Therapy & Nucl Med* 111:492-500, Mar 1971.

James AE Jr, **White RI Jr**, Cooper M, Wagner HN Jr: Pretreatment diagnostic evaluation with reference to pulmonary scans in lung cancer. J Thoracic & Cardiovasc Surg 61:530-540, Apr 1971.

James AE Jr, Cooper M, **White RI Jr**, Wagner HN Jr: Perfusion changes on lung scans in patients with congestive heart failure. Radiology 100:99-106, Jul 1971.

**White RI Jr**, Jordan CE, Fischer KC, Dorst JP, Nagy JM, Garn SM, Neill CA: Delayed skeletal growth and maturation in adolescent congenital heart disease. Invest Radiol 6:326-332, Sept/Oct 1971.

Fisher CH, James AE Jr, Humphries JO, Forster J, **White RI Jr**: Radiographic findings in anomalous muscle bundle of the right ventricle. Radiology 101:35-43, Oct 1971.

**White RI Jr**, Frech RS, Amplatz K: An improved technique for right coronary artery catheterization. Am J Roentgenol Rad Therapy & Nucl Med 113:562-566, Nov 1971.

James AE Jr, **White RI Jr**, Cooper M: Comparison of interstitial and alveolar patterns of pulmonary edema on chest radiographs with patterns on perfusion lung scans. Radiol Clin et Biol 41:14-27, 1972.

**White RI Jr**, Najarian J, Loken M, Amplatz K: Arteriovenous complications associated with renal transplantation. Radiol 102:29-36, Jan 1972.

**White RI Jr**, Frech RS, Castaneda A, Amplatz K: The nature and significance of anomalous coronary arteries in Tetralogy of Fallot. Am J Roentgenol Rad Therapy & Nucl Med 114:350-354, Feb 1972.

**White RI Jr**: The potential of angiographic - radionuclide correlation in medicine. J Appl Rad 1:11-16, Apr/May 1972.

Frech RS, **White RI Jr**, Bessinger FB, Amplatz K: Anomalous mitral arcade with enlarged papillary muscles. Radiol 103:633-636, Jun 1972.

Jordan CE, **White RI Jr**, Fischer KC, Neill C, Dorst JP: The scoliosis of congenital heart disease. Am Heart J 84:463-469, Oct 1972.

Rhodes BA, Greyson ND, Hamilton CR Jr, **White RI Jr**, Giargina FA Jr, Wagner HN Jr: Absence of anatomic arteriovenous shunts in Paget's disease of bone. NEJM 287:686-689, 5 Oct 1972.

Gedgudas E, **White RI Jr**, Loken MK: Radiology in renal transplantation. Radiol Clin N Am 10:529-544, Dec 1972.

**White RI Jr**, Jordan CE, Fischer KC, Lampton L, Neill CA, Dorst JP: Skeletal changes associated with adolescent congenital heart disease. Am J Roentgenol Rad. Therapy & Nucl Med 116:531-538, Nov 1972.

**White RI Jr**: Technique and preliminary results of selective catheterization of patients with Blalock-Taussig shunts. Radiol 105:703-706, Dec 1972.

Bush M, Pieroni D, Goodman D, **White RI Jr**, Thomas V, James AE Jr: Tetraolgy of Fallot in a cat. J Am Vet Med Assoc 161:1679-1686, Dec 1972.

Lowery B, **White RI Jr**: Modified umbilical artery catheter for power-injection aortography. Radiol 105:711-712, Dec 1972.

**White RI Jr**, Giargina FA Jr, Borushok M, Harrington DP: A new system for percutaneous catheterization of the pediatric patient. Radiology 107:433-444, May 1973.

Johnson BA, James AE Jr, **White RI Jr**: Oblique and selective pulmonary angiography in diagnosis of pulmonary embolism. Am J Roentgenol Rad Therapy & Nucl Med 118:801-808, Aug 1973.

Siegel ME, Giargiana FA Jr, Rhodes BA, **White RI Jr**, Wagner HN Jr: Effect of reactive hyperemia on the distribution of radioactive microspheres in patients with peripheral vascular disease. AJR 118:814-819, Aug 1973.

Rhodes BA, Greyson ND, Siegel ME, Giargiana FA Jr, **White RI Jr**, Williams GM, Wagner HN Jr: The distribution of radioactive microspheres after intraarterial injection in the legs of patients with peripheral vascular disease. AJR 118:820-826, Aug 1973.

Giargiana FA Jr, Siegel ME, James AE Jr, Rhodes BA, Wagner HN Jr, **White RI Jr**: A preliminary report on the complementary roles of arteriography and perfusion scanning in assessment of peripheral vascular disease. Radiology 108:619-627, Sept 1973.

Maron BJ, Ferrans VJ, **White RI Jr**: Unusual evolution of acquired infundibular stenosis in patients with ventricular septal defect. Clinical and morphology observation. Circulation 48:1092-1103, Nov 1973.

**White RI Jr**, James AE Jr, Donner MW: Cardiovascular radiology - current status, editorial. AJR 119:636-638, Nov 1973.

**White RI Jr**, Harrington DP, Novak G, Miller FJ Jr, Giargiana FA Jr, Sheff RN: Pharmacologic control of hemorrhagic gastritis - clinical and experimental results. Radiol 111:559-578, Jun 1974.

Freedom RM, **White RI Jr**, Ho CS, Gingell RL, Hawker RE, Rowe RD: Evaluation of patients with pulmonary atresia and intact ventricular septum by double catheter technique. Am J Cardiol 33:892-895, Jun 1974.

**White RI Jr**, Giargiana FA Jr, Bell W: Bleeding duodenal ulcer control. Selective arterial embolization with autologous blood clot. JAMA 229:546-548, Jul 1974.

Borushok MJ, **White RI Jr**, Oh KS, Dorst JP: Congenital subclavian steal. AJR 121:559-564, Jul 1974.

Giargiana FA Jr, **White RI Jr**, Greyson ND, Rhodes BA, Siegel ME, Wanger HN Jr, James AE Jr: Absence of arteriovenous shunting in peripheral arterial disease. Invest Radiol 9:222-226, Jul/Aug 1974.



Holmes EC, Brawley RK, Fortuin NJ, **White RI Jr**: Rupture of dissecting aneurysm of thoracic aorta into the right heart chambers. *J Thorac & Cardiovasc Surg* 68:611-614, Oct 1974.

Freedom RM, Harrington DP, **White RI Jr**: The differential diagnosis of levotransposed or malposed aorta: an angiocardiographic study. *Circulation* 50:1040-1046, Nov 1974.

Fisher CH, Sheff RN, Novak G, **White RI Jr**: The effect of superior mesenteric artery vasopressin infusions on cardiac output and coronary blood flow in dogs. *Invest Radiol* 9:456-461, Nov/Dec 1974.

Donner MW, **White RI Jr**: Die angiographische Lokalisation und pharmakologische Kontrolle von Blutungen im Magen-Darm-Bereich (Angiographic localization and pharmacologic control of gastrointestinal bleeding). *Proc Joint Con Ger & Aust Roentgen Soc, Vienna*:374-375, 1973.

Miller FJ Jr, Maddrey WC, Sheff RN, Harrington DP, **White RI Jr**: Hepatic venography and hemodynamics in patients with alcoholic hepatitis. *Radiology* 115:313-317, May 1975.

Siegel ME, Giargiana FA Jr, **White RI Jr**, Friedman BH, Wagner HN Jr: Peripheral vascular perfusion scanning. Correlation with the arteriogram and clinical assessment in the patient with peripheral vascular disease. *AJR* 125:628-633, Nov 1975.

**White RI Jr**: Arterial embolization for control of renal hemorrhage. Editorial. *J Urol* 115:121-122, Feb 1976.

Rhodes BA, Bader P, Stolz K, **White RI Jr**: Management of postoperative renal hemorrhage by transcatheter embolization. *J Urol* 115:203-205, Feb 1976.

Rhodes BA, Bader P, Stolz K, **White RI Jr**, Siegel ME: Brief clinical note: assessment of peripheral vascular disease in patients with diabetes: two case studies. *Diabetes* 25:307-314, Apr 1976.

Humphries JO, Bell WR, **White RI Jr**: Criteria for the recognition of pulmonary emboli. *JAMA* 235:2011-2012, May 1976.

Osterman FA Jr, Bell WR, Montali RJ, Novak GR, **White RI Jr**: Natural history of autologous blood clot embolization in swine. *Invest Radiol* 11:267-276, July/Aug 1976.

Wentz AC, **White RI Jr**, Megeon CJ, Hsu TH, Barnes HV, Jones GS: Differential ovarian and adrenal vein catheterization. *Am J Obstet Gynecol* 125:1000-1007, Aug 1976.

Sott WW Jr, Siegelman SS, Harrington DP, **White RI Jr**: Diagnosis and pathophysiology of paradoxical embolism. *Radiol* 121:59-62, 1976.

Cavaluzzi JA, Kaufman SL, **White RI Jr**: Vasopressin control of massive hemorrhage in chronic ulcerative colitis. *AJR* 127:672-675, Oct 1976.

Conrad MR, Cameron J, **White RI Jr**: The role of angiography in the diagnosis of tracheal-innominate artery fistula. *AJR* 128:35-38, 1977.

Kaufman SL, Harrington DP, Barth KH, Maddrey WC, **White RI Jr**: Control of varicocele bleeding by superior mesenteric artery vasopressin infusion. *AJR* 128:567-569, Apr 1977.

Sanders RC, Conrad MR, **White RI Jr**: Normal and abnormal upper abdominal venous structures as seen by ultrasound. AJR 128:657-662, Apr 1977.

**White RI Jr**, Leo FP, Kaufman SL, Bulkely BH, Hutchins GM: In vitro computed tomography of the human heart. Radiol 123:77-78, 1977.

Kaufman SL, Maddrey WC, Harrington DP, **White RI Jr**: Hemodynamic effects of superior mesenteric arterial and intravenous vasopressin infusions in patients with portal hypertension. Invest Radiol 12:210-214, May/June 1977.

Barth KH, Strandberg JD, **White RI Jr**: Long term follow-up of transcatheter embolization with autologous clot, oxycel and gelfoam in domestic swine. Invest Radiol 12:273-280, May/June 1977.

Whelton PK, Russell RP, Harrington DP, **White RI Jr**, Walker WG: The importance of renin in post-transplantation (single-kidney) hypertension. Proc Dialysis Forum 6:159-161, 1976.

Goldman SM, Meng CH, **White RI Jr**, Naraval RC, Siegelman SS, Diamond AB, Kaufman SL, Harrington DP: Transitional cell tumors of the kidney: how diagnostic is the angiogram? AJR 129:99-105, Jul 1977.

McGoon MD, Fulton RE, Davis GD, Ritter DG, Neill CA, **White RI Jr**: Systemic collateral and pulmonary artery stenosis in patients with congenital pulmonary valve atresia and ventricular septal defect. Circulation 56:473-479, Sept 1977.

Cavaluzzi JA, Sheff R, Harrington DP, Kaufman SL, Barth KH, Maddrey WC, **White RI Jr**: Hepatic venography and wedge hepatic vein pressure measurements in diffuse liver disease. AJR 129:441-446, Sept 1977.

Whelton PK, Harrington DP, Russell RP, **White RI Jr**, Walker WG: Renal vein renin activity: a prospective study of sampling techniques and methods of interpretation. Johns Hopkins Med J 141:112-118, 1977.

**White RI Jr**, Strandberg JD, Gross GS, Barth KH: Therapeutic embolization with long-term occluding agents and their effects on embolized tissues. Radiol 125:677-687, Dec 1977.

Bayless TM, **White RI Jr**, Yardley JH: Clinical conference: Fatal upper gastrointestinal bleeding in an 80 year old man. Gastroenterol 74:130-133, Jan 1978.

**White RI Jr**, Ursic TA, Kaufman SL, Barth KH, Kim W, Gross GS: Therapeutic embolization with detachable balloons. Physical factors influencing permanent occlusion. Radiol 126:521-523, Feb 1978.

Shermeta DW, Golladay ES, **White RI Jr**: Preoperative occlusion of the hepatic artery with isobutyl 2-cyanoacrylate for resection of the "unresectable" hepatic tumor. Surg 83:319-322, Mar 1978.

Barth KH, Mitchell TG, Groves TF, Starr FL III, Kasecamp WR, **White RI Jr**: A simple method to measure mesenteric arteriovenous shunt flow during arteriography. Invest Radiol 13:191-194, May/June 1978.

Kaufman SL, Strandberg JD, Barth KH, **White RI Jr**: Transcatheter embolization with microfibrillar collagen in swine. *Invest Radiol* 13:200-204, May/June 1978.

Barth KH, Strandberg JD, Kaufman SL, **White RI Jr**: Chronic vascular reactions to steel coil occlusion devices. *AJR* 131:455-458, 1978.

Harrington DP, Barth KH, Baker RR, Truax BT, Abeloff MD, **White RI Jr**: Therapeutic embolization for hemorrhage from locally recurrent cancer of the breast. *Radiol* 129:307-310, Nov 1978.

Maddrey WC, Boitnott JK, Bedine WS, Weber FL Jr, Mezey E, **White RI Jr**: Corticosteroid therapy of alcoholic hepatitis. *Gastroenterol* 75:193-199, Aug 1978.

Barth KH, Alderson PO, Strandberg JD, Strauss HW, **White RI Jr**: 99m Tc pyrophosphate imaging in experimental mesenteric infarction: Relationship of tracer uptake to the degree of ischemic injury. *Radiol* 129:491-495, Nov 1978.

Udoff EJ, Roland JM, **White RI Jr**: Coronary artery anomaly in double-outlet right ventricle. *AJR* 131:710-712, Oct 1978.

Kaufman SL, **White RI Jr**, Harrington DP, Barth KH, Siegelman SS: Protean manifestations of mycotic aneurysms. *AJR* 131:1019-1025, 1978.

**White RI Jr**, Harrington DP, Kaufman SL, Barth KH: Improved visceral catheterization with reinforced wall shepherd crook catheters. *Rev Interam Radiol* 4:29-32, Jan 1979.

Barth KH, **White RI Jr**, Kaufman SL, Strandberg JD: Metrizamide, the ideal radiopaque filling material for detachable silicone balloon embolization. *Invest Radiol* 14:35-40, Jan/Feb 1979.

**White RI Jr**, Kaufman SL, Barth KH, DeCaprio V, Strandberg JD: Therapeutic embolization with detachable silicone balloons. Early clinical experience. *JAMA* 241:1257-1260, Mar 1979.

Kaufman SL, Strandberg JD, Barth KH, Gross GS, **White RI Jr**: Therapeutic embolization with detachable silicone balloons: long-term effects in swine. *Invest Radiol* 14:156-161, Mar/Apr 1979.

**White RI Jr**, Kaufman SL, Barth KH, DeCaprio V, Strandberg JD: Embolotherapy with detachable silicone balloons. Technique and clinical results. *Radiol* 131:619-627, Jun 1979.

Udoff EJ, Barth KH, Harrington DP, Kaufman SL, **White RI Jr**: Hemodynamic significance of iliac artery stenosis: pressure measurements during angiography. *Radiol* 132:289-293, Aug 1979.

Marshall FF, **White RI Jr**, Kaufman SL, Barth KH: Treatment of traumatic renal arteriovenous fistulas by detachable silicone balloon embolization. *J Urol* 122:237-239, Aug 1979.

Cavaluzzi JA, Alderson PO, **White RI Jr**: Pulmonary embolism with unilateral lung scan defects and matching infiltrates. *J De L'Assoc Can Des Radiologistes* 30:162-164, Sept 1979.

Kaufman SL, Fara JW, Udoff EJ, Harrington DP, **White RI Jr**: Hemodynamic effects of vasodilators across iliac stenosis in dogs. *Invest Radiol* 14:471-475, Nov/Dec 1979.

Fara JW, Barth KH, **White RI Jr**, Bynum TE: Mesenteric vascular effects of prostaglandins F2a and B2. *Radiol* 133:317-320, Nov 1979.

Kaufman SL, Harrington DP, Barth KH, **White RI Jr**, Cameron JL: Non-operative retrieval of impacted intrahepatic biliary stones using the Fogarty balloon catheter. *Radiology* 133:803-805, Dec 1979.

**White RI Jr**, Barth KH, Kaufman SL, DeCaprio V, Strandbery JD: Therapeutic embolization with detachable balloons. *J Cardiovasc & Intervent Radiology* 3:229-241, 1980.

**White RI Jr**, Barth KH, Kaufman SL, Terry PB: Detachable silicone balloons: results of experimental study and clinical investigations in hereditary hemorrhagic telangiectasia. *Ann de Radiologie* 23:338-340, Apr/May 1980.

**White RI Jr**, Kaufman SL, Donner MW: Angiographic diagnosis of venous thromboembolism revisited. *Ann De Radiologie* 23:312-315, Apr/May 1980.

Zerhouni EA, Siegelman SS, Walsh PC, **White RI Jr**: Elevated pressure in the left renal vein in patients with varicocele: preliminary observations. *J Urol* 123:512-513, Apr 1980.

Barth KH, Kumar AJ, Kaufman SL, **White RI Jr**: Therapeutische embolisationen im extrakraniellen kopf - und halsbereich mit einem neuen system abstossbarer silikonballone. *Fortschr Rontgenstr* 133:409-415, 1980.

Harrington DP, Barth KH, **White RI Jr**, Brawley RK: Traumatic pseudoaneurysm of the thoracic aorta in close proximity to the anterior spinal artery: a therapeutic dilemma. *Surg* 87:153-156, Feb 1980.

**White RI Jr**: Editorial: Interventional radiology in the 1980's. *AJR* 134:859-860, Apr 1980.

Terry PB, Barth KH, Kaufman SL, **White RI Jr**: Balloon embolization for treatment of pulmonary arteriovenous fistulas. *N Eng J Med* 302:1189-1190, May 1980.

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Barnett PH, Zerhouni EA, **White RI Jr**, Siegelman SS: Computed tomography in the diagnosis of cavernous hemangioma of the liver. *AJR* 134:439-447, Mar 1980.

Kaufman SL, Kumar AJ, Roland JM, Harrington DP, Barth KH, Haller JA Jr, **White RI Jr**: Transcatheter embolization in the management of congenital arteriovenous malformations. *Radiol* 137:21-29, Oct 1980.

Gharagozloo F, Bulkley GB, Alderson PO, Barth KH, **White RI Jr**, Zuidema GD: Intraperitoneal Xenon 133 for the early detection of acute mesenteric ischemia. *Am Col Surg* 31:144-146, 1980.

Reichard SA, Helikson MA, Shorter N, **White RI Jr**, Shemeta DW, Haller JA Jr: Pelvic fractures in children: review of 120 patients with a new look at general management. *J Ped Surg* 15:727-734, Dec 1980.

**White RI Jr**: Selected techniques in interventional radiology. *JAMA* 245:741-744, Feb 1981.

Harrington DP, Whelton PK, MacKenzie EJ, Russell RP, Kaufman SL, Barth KH, **White RI Jr**, Walker WG: Renal venous renin sampling. *Radiol* 138:571-575, Mar 1981.

**White RI Jr**, Kaufman SL, Barth KH, Kadir S, Smyth JW, Walsh PC: Occlusion of varicoceles with detachable balloons. *Radiol* 139:327-334, May 1981.

Barth KH, **White RI Jr**, Marshall FF: Quantification of arteriovenous shunting in renal cell carcinoma. *J Urol* 125:161-163, Feb 1981.

Latshaw RF, Kadir S, Witt WS, Kaufman SL, **White RI Jr**: Glucagon-induced choledochal sphincter relaxation: Aid for expulsion of impacted calculi into the duodenum. *AJR* 137:614-616, Sept 1981.

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