

**CURRICULUM VITAE**  
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**EDUCATION:**

Aug, 1982 - May, 1986	University of North Carolina Chapel Hill, NC	BA
July, 1986 - June, 1990	Bowman Gray School of Medicine Winston-Salem, NC	MD
July, 1990 - June, 1991	Medical University of South Carolina Charleston, SC	Internship
July, 1991 - June, 1993	Medical University of South Carolina Charleston, SC	Internal Medicine
July, 1993 - June, 1996	Medical University of South Carolina Charleston, SC	Cardiology Fellowship

**CURRENT POSITION:**

July 2005 - Present	Associate Professor of Medicine Department of Medicine Division of Cardiology Medical University of South Carolina
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**PREVIOUS POSITIONS:**

July, 1996 - January 1998	Palmetto Cardiology Associates, PA (private practice) 1301 Taylor Street, Suite 10A Columbia, SC 2920 (803) 252-6644
July, 1996 - Jan., 1998	Clinical Associate Professor USC School of Medicine, Columbia, SC

January 1998 – July 2005      Assistant Professor of Medicine  
Division of Cardiology  
Medical University of South Carolina

**ADMINISTRATIVE APPOINTMENTS:**

1/98 – 7/03      Director, Cardiac Catheterization Laboratory, Ralph H. Johnson VA Medical Center, Charleston, SC

7/00 – current      Director, Adult Cardiac Catheterization Laboratories, Medical University of South Carolina, Charleston, SC

7/01 – current      Director, Interventional Cardiology Fellowship Program, Medical University of South Carolina, Charleston, SC

8/01 – 9/01      Acting Director, Ralph H. Johnson VA Medical Center Medical Service, Charleston, SC

**HOSPITAL APPOINTMENTS:**

Medical University of South Carolina, Charleston, SC

Ralph H. Johnson VA Medical Center, Charleston, SC

East Cooper Regional Medical Center, Mt. Pleasant, SC

**INSTITUTIONAL ACTIVITIES:**

Veterans Administration Invasive Procedures Review Committee. 1998 - 2002

Heart and Vascular Center Core Group (Planning for the twenty-five million dollar Heart and Vascular Center) 1999 - 2003

Set up MUSC Arm of International Registry for Alcohol Septal Ablation for Hypertrophic Obstructive Cardiomyopathy. 1999 - current

Cardiology Division Director Search Committee, Member. 2001

Cardiology Fellowship Candidate Interview / Selection Committee. 2001 - current

Anesthesia Department Chairman Search Committee, Member. 2001

Elected University Medical Associates (UMA), Board of Directors. 2001 – 2004

Oversight Committee for Invasive and Interventional Cardiology Services, Hilton Head Hospital 2002-2004

### **AWARDS/HONORS:**

Alpha Omega Alpha Medical Honor Society, Housestaff member, 1992

R.A. Rosemond Outstanding Cardiology Fellow Award, 1996

Michael E. Assey Award, Given for Excellence in Clinical Teaching in Cardiology, 2001

### **SPECIAL CERTIFICATION:**

Diplomate National Board of Medical Examiners, 1991

Board Certified American Board of Internal Medicine, 1993

Board Certified Cardiovascular Diseases, 1997

Board Certified Interventional Cardiology, 1999

### **REVIEWER**

Manuscript Reviewer, Circulation.

Manuscript Reviewer, Chest.

Abstract Reviewer, American College of Cardiology Annual Scientific Sessions 2004, 2005.

### **PRESENTATIONS/INVITED LECTURES:**

“Atrial Fibrillation, Who and How to Anticoagulate.” Grand Rounds, Richland Memorial Hospital, 1997

“Atrial Fibrillation,” USC Cardiology Symposium, 1997

“Understanding Heart Disease,” Baptist Medical Center Community Outreach Seminar, 1997

“Heart Disease in Mentally Retarded Persons.” South Carolina Department of Mental Retardation Conference 10/99

Discussion Moderator, Cardiology for the Primary Care Physician, Charleston, SC, MUSC/ACC Sponsored Conference 5/00.

Case Demonstration, Alcohol Septal Ablation. New Therapies for Hypertrophic Cardiomyopathy Conference, Kiawah Island, SC 4/01.

“Alcohol Septal Ablation for HOCM” MUSC Department of Medicine Grand Rounds 9/01.

“Role of 2b/3a Inhibitors in Acute Coronary Syndromes.” MUSC Emergency Room Lecture Series, 12/01.

“Treatment of Coronary Artery Disease: Role of Medicine, PCI and CABG.” Cardiology for the Primary Physician. ACC Sponsored Conference 6/02.

“New Approaches to Treatment of Heart Disease,” MUSC Community Outreach Talk 7/02.

“Treatment of Coronary Artery Disease: Role of Medical Therapy vs. PCI vs. CABG”. MUSC Cardiology Grand Rounds 9/02.

“Interventional Research at MUSC”. MUSC Cardiology Grand Rounds 9/02.

Chest Pain in the Emergency Room: Echo, Stress Test or Cath Lab. Emergency Medicine Conference, Charleston, SC 9/02.

“Alcohol Septal Ablation for Hypertrophic Cardiomyopathy at MUSC 1999-2002”. NC/SC ACC Meeting, Kiawah SC 10/02.

“Drug Coated Stents: The Revolution in Treatment of Coronary Artery Disease”. Greenville / Spartanburg Grand Rounds 1/03.

“Take the First Step: Know Your Risk Factors for Heart Disease”. MUSC Community Outreach Talk 1/03.

“Heparin-Induced Thrombocytopenia (HIT)” Med-U-Way Pharmacotherapeutics Conference 2/20/03

“Diagnostic and Therapeutic Cardiology Testing”. MUSC Physicians Assistant Student Lecture. 3/4/03.

“Selecting Noninvasive Cardiology Tests”. Office Practice of Primary Care Conference, Charleston, SC 3/12/03.

“Unstable Angina” Cardiology for the Primary Care Physician ACC sponsored conference, Charleston, SC 5/27/03.

“Acute Coronary Syndromes UA/NSTSEMI” Orangburg Regional Hospital Grand Rounds, Orangeburg, SC 9/3/03.

“Acute Coronary Syndromes: UA/NSTSEMI” MUSC Division of Cardiology Grand Rounds, 9/4/03.

“MUSC Interventional Cardiology Research” MUSC Cardiac Cath Conference 9/11/03.

“Alcohol Septal Ablation Procedure: Tips, Tricks, and Technical Pearls” Transcatheter Cardiovascular Therapeutics (TCT) 2003, 9/18/03.

“Chest Pain in the ER: Stress Test, Echo, or Cath Lab” Emergency Medicine Conference, Charleston, SC 9/24/03.

“Acute Coronary Syndromes: UA/NSTSEMI” MUSC Internal Medicine Noon Conference, 10/30/03.

“Acute Coronary Syndromes: UA/NSTSEMI” Greenville/Spartanburg Medicine Grand Rounds. January 9, 2004.

“Patent Foramen Ovale: Should We Close The Door?” MUSC Cardiology Grand Rounds. February 5, 2004.

Session Moderator, “Vascular Access Closure Devices” ACC Annual Scientific Sessions, New Orleans. March 9, 2004.

“What’s New in Drug Eluting Stents” SC Medical Association Annual Meeting, Charleston, SC. March 25, 2004.

“Contemporary Management of Acute Myocardial Infarction” Cardiology for the Primary Care Physician, ACC sponsored conference. June 2, 2004.

“Lipid Management” NC/SC Endocrinology Conference July 2004

“Coronary CT Angiography: The Requisites” AHA Satellite Symposium, November 9, 2004

“Patent Foramen Ovale and Cryptogenic Stroke: Should We Close the Door?” Greenville/Spartanburg Grand Rounds. December 2004.

“Cardiac CT Angiography: What the Clinician Needs to Know” Charleston Hands-On Course for Cardiac CT Angiography, Charleston, SC. Monthly Course at MUSC (began 2005, currently scheduled through early 2007)

Session Moderator “Advanced Therapies for Severe Congestive Heart Failure” ACC Annual Scientific Sessions 2005, Orlando, FL. March 2005.

“Staple-Mediated Closure for Vascular Access” Cardiovascular Revascularization Therapies (CRT) Conference, Washington DC, 3/31/05

“Angiolink Staple-Mediated Vascular Closure” Interventional Fellows Course, Boston, MA 4/13/05

“Building a Cardiac CT Program: Integration of Cardiology and Radiology” EuroPCR Meeting, Satellite Symposium entitled: Benefits and Challenges of Multidetector CT for Cardiac Imaging. Paris, France 5/26/05.

“Chest Pain in the ER: Cath Lab or Stress test?” Intensive Review in Emergency Medicine, Charleston, SC. 9/21/05

“Alcohol Septal Ablation: Basic Procedure Technique and Case Studies” Transcatheter Cardiovascular Therapeutics (TCT) Washington, DC. October 2005.

“Percutaneous Closure of PFO and ASD” Baptist-Princeton Hospital Cardiology Grand Rounds, Birmingham, AL. 12/14/06.

“Acute Coronary Syndromes: Surgical Implications” MUSC CT Surgery Journal Club. 1/17/06.

“Percutaneous Closure of PFO and ASD” North Carolina Ultrasound Society Annual Meeting, Myrtle Beach SC. 4/2/06

“Alcohol Septal Ablation for Hypertrophic Obstructive Cardiomyopathy” North Carolina Ultrasound Society Annual Meeting, Myrtle Beach, SC. 4/2/06

“Heart and Vascular Technician/Nurse Lecture” 4/17/06.

**Last Updated April 2006**

### **CLINICAL RESEARCH:**

Primary site investigator for: A Randomized Double Blind Placebo - Controlled, Sequential Panel, Single Dose Study to Investigate the Acute Hemodynamic Effects of

IV L-753,037 (BQ4508-2) in Patients with Symptomatic Heart Failure; Protocol 005-02; Study No. 005-019. Study completed 1998.

Primary site investigator for A Prevention of Restenosis by Tranilast and its Outcomes (PRESTO): A Phase III Double Blind Placebo Controlled Trial of Three Doses of Tranilast@. Study completed 2001.

Primary Site Investigator for NICE - 1 Trial, a Trial of Low Molecular Weight Heparin during Angioplasty. Study completed 2000.

Primary site investigator for: Open Artery Trial. NHLBI/NIH Sponsored Study. Ongoing study

Primary site investigator for: Randomized Evaluation of PCI Linking Angiomax to Reduced Clinical Events (REPLACE). Study complete 2001

Primary site investigator for: Sound Wave Inhibition of Neointimal Growth (SWING). Completed 2002.

Coinvestigator: COMPANION Trial. Biventricular Pacing or ICD. Study complete 2002.

Primary site investigator for: Randomized Evaluation of PCI Linking Angiomax to Reduced Clinical Events (REPLACE-2). Study Complete 2002.

Primary site investigator for Angiolink study (staple-mediated arteriotomy closure device). 2004-2005.

Primary site investigator for CORAL Registry Study (laser angioplasty of saphenous vein grafts). 2003-2005

Primary site investigator for ACUITY Trial (Angiomax for acute coronary syndromes). 2004-2006.

Primary site investigator for SPIRIT III Trial (Guidant Everolimus Drug-Eluting Stent randomized trial). 2005-2006.

Primary site investigator for ZoMaxx Trial (Abbott new Drug-Eluting Stent randomized trial). 2006

***LAST UPDATED April 2006***

**ABSTRACTS:**

Malanuk RM, Nielsen CD, Assey ME, Thies P, Usher BW, Leman RB. Treatment of CAD in hemodialysis patients (PTCA vs. stent). Abstract for: SCAI Annual Scientific Session. Catheterization and Cardiovascular Diseases 2000;50:153.

Runquist L, Gazes PC, Nielsen CD, Killip D, Spencer WH 3<sup>rd</sup>. Echocardiographic findings after nonsurgical septal radiation therapy for hypertrophic cardiomyopathy (HOCM). NASPE 2001.

Crawford FA, Nielsen CD, Fernandes V, Frankis M, Spencer WH 3<sup>rd</sup>. Reduction in mitral Regurgitation after alcohol septal ablation in patients with hypertrophic obstructive cardiomyopathy. ACC 2003

Tann S, Nielsen C, Torre-Amione G, Feldman D, Spencer WH3<sup>rd</sup>. Changes in BNP level after alcohol septal ablation. ACC 2003.

Cawthon T, Ahmed H, Fernandes V, Nielsen CD. Predictors of renal artery stenosis in patients referred for coronary angiography. Society for Cardiac Angiography and Intervention 2003.

Sharma AK, Vanek KM, Malanuk RM, Nielsen CD. Comparison of Fixed-Distance and IVUS-Based Dosimetry in Coronary Intravascular Brachytherapy. Submitted Radiation Oncology Society 2003.

Wood DE, Nielsen CD, Killip D, Spencer WH3<sup>rd</sup>. Right Coronary Involvement of Alcohol Injection in ASA. Submitted ACC 2004.

Chiaramida S, Nielsen CD, et al. Modeling and Prediction of Hemodynamic Effects of an Arterial Assist Device. Accepted ACC 2004

Caputo R, Nielsen CD, et al. Stapel Mediated Arteriotomy Closure: Results of the EVS Device randomized Multicenter Study. Submitted ACC 2004

***LAST UPDATED Novemeber 2004***

**BOOK CHAPTERS:**

Nielsen CD, Malone DP. Pulmonary Heart Disease. In: Primary Care Management of Heart Disease. Editor George J. Taylor. Mosby, St. Louis, 2000.

Nielsen CD, Spencer, WH3rd. Alcohol Septal Ablation for Obstructive Hypertrophic Cardiomyopathy, In Textbook on Interventional Cardiology. Editor, Spencer King. Publication Pending.

### **PUBLICATIONS IN PEER REVIEWED JOURNALS:**

Malanuk RM, Nielsen CD, Spencer WH 3<sup>rd</sup>. Sudden cardiac death in hypertrophic cardiomyopathy. J S C Med Assoc. 2001;97(10):424-7.

Malanuk RM, Nielsen CD, Theis P, Assey ME, Usher BW, Leman RB. Treatment of coronary artery disease in hemodialysis patients: PTCA vs. stent. Catheter Cardiovasc Interv. 2001;54(4):459-63.

Nielsen CD, Spencer WH 3<sup>rd</sup>. Role of controlled septal infarct in hypertrophic obstructive cardiomyopathy. Cardiol Rev. 2002;10(2):108-18.

Nielsen CD, Killip D, Spencer WH 3<sup>rd</sup>. Nonsurgical septal reduction therapy for hypertrophic obstructive cardiomyopathy in South Carolina: the MUSC experience (1999 through 2001). J S C Med Assoc. 2002;98(2):62-5.

Runquist LH, Nielsen CD, Killip D, Gazes P, Spencer WH 3<sup>rd</sup>. Electrocardiographic findings after alcohol septal ablation therapy for obstructive hypertrophic cardiomyopathy. Am J Cardiol. 2002;90(9):1020-2.

Nielsen CD, Fernandes V, Spencer WH3rd. Alcohol Septal Ablation for Obstructive Hypertrophic Cardiomyopathy. Am Heart Hosp J 2003;1;83-90.

Nielsen CD, Killip D, Spencer WH 3<sup>rd</sup>. Nonsurgical septal reduction therapy for hypertrophic obstructive cardiomyopathy: short-term results in 50 consecutive procedures. Clin Cardiol 2003;26:275-9.

Nielsen CD. Building a Computed Tomography Cardiovascular Program: Integration of Radiology and Cardiology. J Inv Cardiol 2005;volume 17/supplement C/October 2005:29-30C.

***LAST UPDATED December 2005***