

## **BRETT C. SHERIDAN, M.D., FACS**

### **Office Address:**

Division of Cardiothoracic Surgery  
Department of Surgery  
University of North Carolina at Chapel Hill  
3040 Burnett-Womack Building, CB #7065  
Chapel Hill, NC 27599-7065

**Phone:** (919) 966-3381

**Fax:** (919) 966-3475

**E-mail:** sheridan@med.unc.edu

### **EDUCATION, TRAINING**

Resident, Cardiothoracic Surgery  
University of Colorado Health Sciences Center, Denver, Colorado  
1999-2002

Chief Resident, General Surgery  
University of Colorado Health Sciences Center, Denver, Colorado  
1998-1999

Resident, General Surgery  
University of Colorado Health Sciences Center, Denver, Colorado  
1993-1998

Internship, General Surgery  
University of Colorado Health Sciences Center, Denver, Colorado  
1992-1993

M.D., Baylor College of Medicine, Houston, Texas, 1992

B.S. with Honors, Stanford University, Stanford, California, 1988

### **PROFESSIONAL EXPERIENCE**

Associate Professor of Surgery, University of North Carolina at Chapel Hill, Chapel Hill, N.C., Feb. 1, 2009 - present

Director of Adult Cardiac Surgery and Director of Mechanical Circulatory Support & Cardiac Transplantation, UNC Hospitals, Chapel Hill, N.C., 2008-present

Assistant Professor of Surgery, University of North Carolina at Chapel Hill, Chapel Hill, N.C., July 2002 - January 2009

United States Air Force Reserve (Medical Corps), January 1995 - December 2002  
(Honorably discharged at rank of captain)

**CERTIFICATION** American Board of Thoracic Surgery, 2003; certified until 2013  
American Board of Surgery, 2000 and 2010; certified until 2020  
FLEX 1992

**LICENSES** North Carolina Medical Board  
2002-Present

Colorado State Board of Medical Examiners  
1999-Present

Texas State Board of Medical Examiners  
1993-Present

**HONORS AND AWARDS**

Nominated for 2011 Socrates Award, Thoracic Surgery Residents Association (TSRA); national award honors faculty in recognition of commitment to cardiothoracic surgery resident education and mentorship. Dec. 31, 2010.

Listed in “Guide to America’s Top Physicians” (Consumers’ Research Council of America), 2004-present

Listed in “Guide to America’s Top Surgeons” (Consumers’ Research Council of America), 2004-present

Listed in “Who’s Who in Medical Sciences Education” (AcademicKeys), 2005

Listed in Strathmore’s “Who’s Who” (Strathmore Directories, Ltd.), 2004-2005 edition

Graduation with Departmental Honors, Stanford University - 1988

Stanford Undergraduate Research Award - 1986

National Merit Scholar Award -1984

## PUBLICATIONS

### BOOKS, CHAPTERS

Bowdish M, Ben-Or S, Mill MR, **Sheridan BC**. Coronary artery bypass surgery. IN: Runge MS, Stouffer GA, Patterson C (eds), *Netter's Cardiology*, 2<sup>nd</sup> ed. Teterboro, N.J.: Icon Learning Systems (MediMedia USA); 2010, pages 129-133.

Bowdish M, Mill MR and **Sheridan BC**. Cardiac transplantation and mechanical circulatory support devices. IN: Runge MS, Stouffer GA, Patterson C (eds), *Netter's Cardiology*, 2<sup>nd</sup> ed. Teterboro, N.J.: Icon Learning Systems (MediMedia USA); 2010, pages 197-205.

Bowdish M, Mill MR and **Sheridan BC**. Surgical treatment of valvular disease. IN: Runge MS, Stouffer GA, Patterson C (eds), *Netter's Cardiology*, 2<sup>nd</sup> ed. Teterboro, N.J.: Icon Learning Systems (MediMedia USA); 2010, pages 353-358.

Ben-Or S, Bowdish M, Mill MR, **Sheridan BC**. Congenital coronary anomalies. IN: Runge MS, Stouffer GA, Patterson C (eds), *Netter's Cardiology*, 2<sup>nd</sup> ed. Teterboro, N.J.: Icon Learning Systems (MediMedia USA); 2010, pages 481-486.

**Sheridan BC** and Mill MR. Coronary artery bypass surgery. IN: Runge MS and Ohman EM (eds.), *Netter's Cardiology*. Teterboro, N.J.: Icon Learning Systems (MediMedia USA); 2004. p 112-118.

Mill MR and **Sheridan BC**. Cardiac transplantation. IN: Runge MS and Ohman EM (eds.), *Netter's Cardiology*. Teterboro, N.J.: Icon Learning Systems (MediMedia USA); 2004. p 175-182.

Husain SA, **Sheridan BC** and Mill MR. Congenital coronary anomalies. IN: Runge MS and Ohman EM (eds.), *Netter's Cardiology*. Teterboro, N.J.: Icon Learning Systems (MediMedia USA); 2004. p 491-496.

**Sheridan BC**, Goldman BS, Colella TJF, Turner S. *So You're Having Heart Bypass Surgery: Everything you need to know from diagnosis to recovery*. Hoboken, N.J.: John Wiley & Sons; 2003. 164 p.

### ORIGINAL RESEARCH ARTICLES (PEER-REVIEWED)

Federspiel JJ, Stearns SC, van Domburg RT, **Sheridan BC**, Lund JL, Serruys PW. Risk-benefit trade-offs in revascularisation choices. *EuroIntervention* 2011 (Mar) 6(8):936-41. (PMID: 21330240) (PMCID: PMC3061312)

Bennett SK, **Sheridan B**, Meyers MO. Laparoscopic splenectomy despite the presence of a left ventricular assist device. *Am Surg* 2010 (Nov); 76(11):1306-8.

- Sheridan BC**, Stearns SC, Rossi J, D'Arcy LP, Federspiel JJ, Carey TS. Three-year outcomes of multivessel revascularization in very elderly coronary syndrome patients. *Ann Thorac Surg* 2010 (June); 89(6):1889-94.
- Campbell RA, Overmyer KA, Selzman CH, **Sheridan BC**, Wolberg AS. Contributions of extravascular and intravascular cells to fibrin network formation, structure and stability. *Blood* 2009 (Nov);114(23):4886-96.
- Jones RH, Velazquez EJ, Michler RE, Sopko G, Oh JK, O'Connor CM, Hill JA, Menicanti L, Sadowski Z, Desvigne-Nickens P, Rouleau JL, Lee KL; STICH Hypothesis 2 Investigators (including **Sheridan BC**). Coronary bypass surgery with or without surgical ventricular reconstruction. *N Engl J Med* 2009 (Apr):360(71): 1705-17.
- Riesenman PJ, Farber MA, Rich PB, **Sheridan BC**, Mendes RR, Marston WA, Keagy BA. Outcomes of surgical and endovascular treatment of acute traumatic thoracic aortic injury. *J Vasc Surg* 2007; 46(5): 934-940.
- Selzman CH, **Sheridan BC**. Off-pump insertion of continuous flow left ventricular assist devices. *J Cardiac Surg* 2007; 22(4):320-322.
- Selzman CH, Chang PP, Vernon-Platt T, Bowen A, Kowalczyk S, **Sheridan BC**. Use of the Jarvik 2000 Continuous Flow Left Ventricular Assist Device for acute myocardial infarction and cardiogenic shock. *J Heart Lung Transplant* 2007; 26(7): 756-758.
- Pathak A, Zhao R, Monroe DM, Roberts HR, **Sheridan BC**, Selzman CH, Stouffer GA. Thrombin generation in vascular tissue. *J Thromb Haemost* 2006; 4(1):60-67.
- Tsai BM, Turrentine MW, **Sheridan BC**, Wang M, Fiore AC, Brown JW, Meldrum DR. Differential effects of phosphodiesterase-5 inhibitors on hypoxic pulmonary vasoconstriction and pulmonary artery cytokine expression. *Ann Thorac Surg* 2006; 81(1):272-278.
- Ketner M, Lucas C, Mill M, **Sheridan B**, Lucas W. Energetics and hemodynamic changes of normal and various right heart bypass (Fontan) circulations in lambs under varying respiration parameters. *Conf Proc IEEE Eng Med Biol Soc* 2004; 5: 3785-3788.
- Grazia TJ, Hodges TN, Cleveland JC, **Sheridan BC**, Zamora MR. Lobar torsion complicating bilateral lung transplantation. *J Heart Lung Transplant* 2003; 22(1):102-106
- Pulido EJ, Shames BD, Fullerton DA, **Sheridan BC**, Selzman CH, Gamboni-Robertson F, Bensard DD, McIntyre RC Jr. Differential inducible nitric oxide synthase expression in systemic and pulmonary vessels after endotoxin. *Am J Physiol Regul Integr Comp Physiol* 2000; 278: R1232-R1239.
- Kinsella JP, Parker TA, Galan H, **Sheridan BC**, Abman SH. Independent and combined effects of inhaled nitric oxide, liquid perfluorochemical, and high- frequency oscillatory ventilation in premature lambs with respiratory distress syndrome. *Am J Respir Crit Care Med* 1999; 159: 1220-1227.

**Sheridan BC**, McIntyre RC, Meldrum DR, Fullerton DA. L-arginine treatment attenuates endothelial dysfunction in endotoxin-induced lung injury. *Surgery* 125:33-40, 1999.

**Sheridan BC**, Dinarello CA, Meldrum DR, Fullerton DA, Selzman CH, McIntyre RC. Interleukin-11 attenuates pulmonary inflammation and vasomotor dysfunction in endotoxin-induced lung injury. *Am J Physiol* 1999; 277: L861-L867.

Meldrum DR, Partrick D, **Sheridan BC**, Moore EE, Harken AH. Kinetics of Interleukin-11 release following cardiopulmonary bypass. *J Thorac Cardiovasc Surg* 1999;118: 193-195.

Shames BD, Pulido EJ, **Sheridan BC**, Poole AW, Bensard DD, Harken AH, McIntyre RC. L-arginine inhibits LPS-induced CINC protein production and lung neutrophil accumulation. *Surg Forum* 1999; 50: 228-229.

Pulido EJ, Shames BD, Dinarello CA, Pennica D, **Sheridan BC**, Bensard DD, McIntyre RC. GP 130-dependent signaling decreases endotoxin-induced pulmonary TNF-alpha and acute lung injury. *Surg Forum* 1999; 50: 215-217.

**Sheridan BC**, McIntyre RC, Meldrum DR, Fullerton DA. L-arginine prevents lung neutrophil accumulation and preserves pulmonary endothelial function after endotoxin. *Am J Physiol* 1998;274: L337-42.

Meldrum DR, McIntyre RC, **Sheridan BC**, Cleveland JC, Fullerton DA, Harken AH. L-arginine decreases alveolar macrophage proinflammatory monokine production during acute lung injury. *J Trauma* 1998; 43: 888-893.

**Sheridan BC**, Hodges TN, Zamora MR, Lynch DL, Brown JM, Campbell DN. Acute and chronic effects of bilateral lung transplantation without cardiopulmonary bypass on the first transplanted lung. *Ann Thoracic Surg* 1998; 66: 1755-8.

Meldrum DR, Meng X, **Sheridan BC**, McIntyre RC, Banerjee A, Harken AH. Tissue specific PKC isoforms differentially mediate macrophage TNF alpha and IL-1beta production. *Shock* 1998; 9:256-60.

McIntyre RC, Pulido EJ, **Sheridan BC**, Meldrum DR, Bensard DD, Fullerton DA. Endotoxin differentially impairs receptor-mediated relaxation in rat isolated pulmonary and thoracic aortic vessels. *J Trauma* 1998; 45: 862-7.

McIntyre RC, Jr, **Sheridan BC**, Agrafojo J, and Fullerton DA. Selective inhibition of cAMP-mediated pulmonary vasorelaxation in endotoxin-induced acute lung injury. *Shock* 1997; 7: 36-41.

McIntyre RC, Jr, **Sheridan BC**, Agrafojo J, and Fullerton DA. Endotoxin differentially impairs cGMP-mediated relaxation in the pulmonary and systemic circulations. *Crit Care Med* 1997; 25: 318-323.

Kinsella JP, Parker TA, Galan H, **Sheridan BC**, Halbower AC, Abman SH. Effects of inhaled nitric oxide on pulmonary edema and lung neutrophil accumulation in severe experimental hyaline membrane disease. *J Ped Res* 1997; 41: 457-463.

Meldrum DR, Cleveland JC, Meng X, **Sheridan BC**, Banerjee A, Harken AH. Hemorrhage induces acute adaptation to ischemia by alpha(1)-adrenoreceptor mediated, protein synthesis independent mechanism. *Am J Physiol* 1997; 272: R718-725.

**Sheridan BC**, McIntyre RC, Meldrum DR, Fullerton DA. Pentoxifylline attenuates pulmonary vasomotor injury. *J Surg Res* 1997; 71: 150-154.

**Sheridan BC**, McIntyre RC, Meldrum DR, Fullerton DA. Phosphodiesterase inhibition overcomes pulmonary vasomotor dysfunction in acute lung injury. *J Surg Res* 1997; 71: 145-149.

Meldrum DR, Cleveland JC, **Sheridan BC**, Banerjee A, Harken AH. Protein Kinase C functional protection and PKC mediates pH and viability protection during preconditioning. *J Surg Res* 1997; 69: 183-187.

Meldrum DR, Cleveland JC, Meng X, **Sheridan BC**, Banerjee A, Harken AH. Alpha-adrenergic activation of NF Kappa mediates hemorrhage-induced cardioadaptation to ischemia-reperfusion injury. *J Surg Res* 1997; 69: 268-276.

Meng X, Ao L, Brown JM, Meldrum DR, **Sheridan BC**, Banerjee A, Harken AH. LPS induces delayed cardiac protection against ischemia independent of myocardial and circulating TNF. *Am J Physiol* 1997; 273: H1894-H1902.

**Sheridan BC**, McIntyre RC, Meldrum DR, Fullerton DA. KATP channels contribute to beat- and adenosine receptor -mediated pulmonary vasorelaxation. *Am J Physiol* 273: L950-L956, 1997.

**Sheridan BC**, McIntyre RC, Meldrum DR, Fullerton DA. Endotoxin stuns cGMP-mediated pulmonary vasorelaxation. *Shock* 1996; 8: 207-212.

**Sheridan BC**, Fullerton DA, Meldrum DR, Harken AH, McIntyre RC. Endotoxin-induced vascular collapse derives from KATP channel activation with resultant impairment of alpha<sub>1</sub>-adrenergic signaling. *Surg Forum* 1997; 48: 89-91.

Meldrum DR, Dinarello CA, Cleveland JC, **Sheridan BC**, Harken AH. P38 MAP kinase mediates myocardial ischemia-reperfusion injury: Improved post-ischemic recovery with SB 203580 (Cytokine suppressor anti-inflammatory drug; CSAID) *Surg Forum* 1997; 48: 335-338.

Cain BS, Meldrum DR, Selzman CH, Cleveland JC, Meng X, **Sheridan BC**, Banerjee A, Harken AH. Surgical implications of vascular endothelial physiology. *Surgery* 1997; 122: 1-11.

Meldrum DR, Shenkar R, **Sheridan BC**, Cain BS, Abraham E, Harken AH. Hemorrhage activated myocardial NFkB and increases tumor necrosis factor in the heart. *J Mol Cell Cardiol* 1997; 29: 2849-2854.

**Sheridan BC**, McIntyre RC, Jr, Meldrum DR, Cleveland JC, Jr, Agrafojo JA, Eisenach JH, Harken AH, Fullerton DA. Antibody-mediated neutrophil depletion preserves pulmonary vasomotor function. *J Surg Res* 1996; 62: 74-78.

**Sheridan BC**, McIntyre RC, Jr, Meldrum DR, Cleveland JC, Jr, Agrafojo JA, Banerjee A, Harken AH, Fullerton DA. Microtubules regulate pulmonary vascular smooth muscle contraction. *J Surg Res* 1996; 62: 284-287.

Meldrum DR, **Sheridan BC**, Cleveland JC, Fullerton DA, Banerjee A, Harken AH. Neutrophil induction is required for endotoxin mediated myocardial cross-tolerance to ischemia-reperfusion injury. *Arch Surg* 1996; 131: 1203-1208.

Fullerton DA, Eisenach JH, Friese RS, Agrafojo J, **Sheridan BC**, McIntyre RC, Jr. Endothelial-dependent pulmonary vasorelaxation is impaired following mesenteric ischemia-reperfusion. *Surgery* 1996; 120: 879-884.

**Sheridan BC**, McIntyre RC, Jr, Agrafojo JA, Meldrum DR, Meng X, Fullerton DA. Neutrophil-depletion attenuates dysfunction of cGMP-mediated pulmonary vasorelaxation in endotoxin-induced lung injury. *Am J Physiol* 1996; 271: L820-828.

Cleveland JC, Jr, Meldrum DR, Rowland RT, **Sheridan BC**, Banerjee A, Harken AH. The obligate role of protein kinase C in mediating clinically accessible cardiac preconditioning. *Surgery* 1996; 120: 345-353.

**Sheridan BC**, McIntyre RC, Jr, Meldrum DR, Cleveland JC, Jr, Agrafojo JA, Fullerton DA. Vinblastine attenuates endotoxin-induced impairment of cGMP-mediated pulmonary vasorelaxation. *Shock* 1996; 6: 35-38.

Fullerton DA, Hahn AR, Agrafojo J, **Sheridan BC**, McIntyre RC, Jr. Magnesium is essential in mechanisms of pulmonary vasomotor control. *J Surg Res* 1996; 63: 93-97.

Meldrum DR, Cleveland JC, **Sheridan BC**, Rowland RT, Banerjee A, Harken AH. Cardiac preconditioning with calcium: Clinically accessible myocardial protection. *J Thorac Cardiovasc Surg* 1996; 112 (3), 778-786.

Meldrum DR, Cleveland, JC, Mitchell, MB, **Sheridan, BC**, Gamboni-Robertson, F, Harken, AH, Banerjee, A: Protein Kinase C mediates Ca<sup>2+</sup> induced cardioadaptation to ischemia-reperfusion injury. *Am J Physiol* 1996; 271: R1718-1726.

Fullerton DA, Eisenach JH, McIntyre RC, Jr, Friese RS, **Sheridan BC**, Gates BR, Agrafojo J, Banerjee A, Harken AH. Inhaled nitric oxide prevents lung neutrophil accumulation and pulmonary endothelial dysfunction after mesenteric ischemia-reperfusion. *Am J Physiol* 1996; 271: L326-L331.

Meldrum DR, Cleveland JC, **Sheridan BC**, Rowland RT, Banerjee A, Harken AH. Calcium induced inotropy is in part mediated by protein kinase C. *J Surg Res* 1996; 63: 400-405.

Cleveland JC, Jr, Wollmering MM, Meldrum DR, Rowland RT, Rehring TF, **Sheridan BC**, Harken AH, Banerjee A. Ischemic preconditioning in human and rat ventricle. *Am J Physiol* 1996; 271: H1786-1794.

Meldrum DR, Cleveland JC, **Sheridan BC**, Banerjee A, Harken AH. The alpha and beta isoforms of protein kinase C mediates the cardiac contractile response to exogenous calcium. *Surg Forum* 1996; 47: 300-303.

Fullerton DA, **Sheridan BC**, Meldrum, DR, Cleveland JC, Jr, Agrafojo JA, McIntyre RC, Jr. Neutrophils mediate vascular smooth muscle dysfunction in acute lung injury. *Surg Forum* 1996; 47: 328-330.

Cleveland JC, Jr, Meldrum DR, Rowland RT, **Sheridan BC**, Banerjee A, Butler K, Harken AH. Adenosine preconditioning of human myocardium is mediated through  $K_{ATP}$  channel activation. *Surg Forum* 1996; 47: 209-211.

**Sheridan BC**, McIntyre RC, Moore EE, Meldrum DR, Agrafojo J, Fullerton DA. Neutrophils mediate pulmonary vasomotor dysfunction in endotoxin-induced acute lung injury. *J Trauma* 1996; 42: 391-397.

Meldrum DR, Cleveland JC, **Sheridan BC**, RT Rowland, Banerjee A, Harken AH. Differential effects of adenosine preconditioning on the post-ischemic rat myocardium. *J Surg Res* 1996; 65: 155-164.

Hallock GG, Anous MM, **Sheridan BC**. The surgical anatomy of the principal nutrient vessel of the tibia. *Plastic and Reconstruct Surg* 1993; 92(1):49-54.

Vickery RG, **Sheridan BC**, Segal IS, Maze M. Anesthetic and hemodynamic effects of the stereoisomers of medetomidine, an alpha 2-adrenergic agonist, in halothane-anesthetized dogs. *Anes Analgesia* 1988; 67(7):611-615.

## **OTHER PEER-REVIEWED ARTICLES**

**Sheridan BC**. Invited commentary on: Improved outcome of surgical pulmonary embolectomy by aggressive intervention for critically ill patients (Fukuda et al). *Ann Thorac Surg* 2011 (Mar); 9(3): 732-33.

**Sheridan BC**, Stearns SC, Massing MW, Stouffer GA, D'Arcy LP, Carey TS. Percutaneous coronary intervention or coronary artery bypass grafting: Intervention in older persons with Acute Coronary Syndrome – Part II. *Clin Geriatrics* 2008 (Nov); 16(11):40-46. Included CME learning objectives and questions.

**Sheridan BC**, Stearns SC, Massing MW, Stouffer GA, D'Arcy LP, Carey TS. Percutaneous coronary intervention or coronary artery bypass grafting: Intervention in older persons with Acute Coronary Syndrome – Part I: *Clin Geriatrics* 2008 (Oct);16(10):39-44. Included CME learning objectives and questions. PMC2856130

Selzman CH, Bhati RS, **Sheridan BC**, Stansfield WE, Mill MR. Surgical therapy for heart failure. (Review) *J Am Coll Surg* 2006; 203(2):226-239.

Bhati RS, **Sheridan BC**, Mill MR, Selzman CH. Heart transplantation for progressive cardiomyopathy as a manifestation of MELAS syndrome. (Review) *J Heart Lung Trans* 2005; 24: 2286-2289.

Cain BS, Meldrum DR, Selzman CH, Cleveland JC, Meng X, **Sheridan BC**, Banerjee A, Harken AH. Surgical implications of vascular endothelial physiology. (Review) *Surgery* 1997; 122: 1-11.

Meldrum DR, Cleveland JC, **Sheridan BC**, Rowland RT, Banerjee A, Harken AH: Cardiac surgical implications of calcium dyshomeostasis in the heart. (Review) *Ann Thorac Surg* 1996; 61: 1273-1280.

## **SUBMITTED**

Federspiel JJ, Stearns SC, **Sheridan BC**, Kuritzky JJ, D'Arcy LP, Crespin DJ, Carey TS, Rossi JS. Evaluating the effectiveness of a rapidly-adopted cardiovascular technology with administrative data: The case of drug-eluting stents for acute coronary syndromes.

Federspiel JJ, Triplett MF, Stearns SC, D'Arcy LP, Reiter KL, **Sheridan BC**, Rossi JS. Diminishing racial disparities in the utilization of drug-eluting stents among Medicare beneficiaries.

**PUBLISHED ABSTRACTS**

Federspiel JJ, Stearns SC, **Sheridan BC**, Crespin DJ, D'Arcy LP, Kuritzky JJ, Rossi JS. Abstract 10200: Drug-eluting stents versus bare metal stents for Medicare beneficiaries with acute coronary syndromes: Instrumental variables compared to propensity scores. *Circulation* 2010; 122: A10200.

Rajamannan NM, Caira FC, Stock SR, Subramaniam M, Gleason T, McGee E, **Sheridan B**, Selzman C, Bonow RO, Rahimtoola SH, McCarthy PM, Spelsberg TC. Human degenerative valve disease is associated with upregulation of Lrp5 receptor mediated bone formation. (American College of Cardiology, Atlanta, Ga., March 14, 2006.) *J Am Coll Cardiol* 2006; 147(4) (Supp. 1): 284A.

Kinsella JP, Parker TA, Galan H, **Sheridan BC**, Abman SH. Independent and combined effects of inhaled nitric oxide, liquid perfluorochemical, and high-frequency oscillatory ventilation in premature lambs with respiratory distress syndrome. *Chest* 1999; 116(1 Suppl):15S-16S.

## REFEREED UNPUBLISHED ABSTRACTS

Stearns SC, Federspiel JJ, **Sheridan BC**, Rossi JS. Evaluating treatments with heterogeneous effects and endogenous selection: Effects of cardiologist follow-up for Medicare beneficiaries with myocardial infarction. International Health Economics Association, July 13, 2011, Toronto.

Federspiel JJ, Stearns SC, **Sheridan BC**, Crespin DJ, D'Arcy LP, Kuritzky JJ, Rossi JS. Drug-Eluting Stents versus Bare Metal Stents for Medicare Beneficiaries with Acute Coronary Syndromes: Instrumental Variables Compared to Propensity Scores. American Heart Association Scientific Sessions, Nov. 17, 2010, Chicago, Ill. (The abstract received the top score in the Quality of Care and Outcomes Research Council's division of the AHA's Scientific Sessions.)  
[http://circ.ahajournals.org/cgi/content/meeting\\_abstract/122/21\\_MeetingAbstracts/A1020](http://circ.ahajournals.org/cgi/content/meeting_abstract/122/21_MeetingAbstracts/A1020)

Healy A, **Sheridan BC**, Patel A, Bull D, Stehlik J, Selzman CH. Safety and efficacy of off-cardiopulmonary bypass placement of the Jarvik 2000 Left Ventricular Assist Device for bridge to transplantation. Abstract submitted for Western Thoracic Surgical Association meeting, June 23-26, 2010, Ojai, Calif.

Stearns SC, Federspiel JJ, Crespin D, D'Arcy L, Rossi J, Sheridan B. Accounting for heterogeneity in treatment selection: The case of revascularization. American Society of Health Economists (ASHE), June 21, 2010, Ithaca, NY.

Federspiel J, Stearns SC, D'Arcy LP, Reiter KL, **Sheridan BC**, Rossi JS. Diminishing racial disparities in the utilization of drug-eluting stents among Medicare beneficiaries: 2003-2004. Abstract (Poster). American College of Cardiology Annual Scientific Session, March 14-16, 2010, Atlanta, Ga.

Federspiel J, Stearns SC, D'Arcy LP, Reiter KL, **Sheridan BC**, Rossi JS. The changing profile of Medicare beneficiaries receiving drug-eluting stents after myocardial infarction. Abstract (Poster). I2 Summit, American College of Cardiology, March 14-16, 2010, Atlanta, Ga.

Rossi J, D'Arcy LP, Federspiel J, Carey TS, Stearns SC, **Sheridan BC**. Drug-eluting stents are associated with decreased mortality among Medicare beneficiaries admitting with acute coronary syndromes. Abstract (presentation). American College of Cardiology Annual Scientific Session, March 14-16, 2010, Atlanta, Ga.

**Sheridan B**, Stearns S, Carey T, Massing M, D'Arcy L, Rossi J. Three year outcomes of coronary artery bypass grafting and percutaneous intervention with stents in 14,580 very elderly acute coronary syndrome patients. Southern Thoracic Surgical Association, Marco Island, FL, Nov. 5, 2009.

Selzman CH, **Sheridan BC**, Chang P, Bowen A, Vernon-Platt T, Patel, AN, Bull DA. Safety and efficacy of off-pump placement of the Jarvik 2000 Left Ventricular Assist Device for bridge to transplantation. Western Thoracic Surgical Association, Banff, Alberta, Canada, June 24-27, 2009.

Stearns S, Norton E, **Sheridan B**. Using small area variations in procedure rates to identify effects of revascularization among the elderly. American Economic Association, San

Francisco, Jan. 4, 2009. (Also presented at Healthy Policy Seminar, University of Chicago, May 28, 2009)

Bennett SK, **Sheridan B**, Meyers MO. Hand-assisted laparoscopic splenectomy despite the presence of a left ventricular assist device. Southeastern Surgical Congress, Savannah, Ga., Feb 11-13, 2007.

Lucas CN, Ketner ME, Steele B, Mill MR, **Sheridan B**, Lucas WJ, Pekkan K, Yoganathan AP. Importance of respiration in Fontan circulations: A study of time delays. (Poster presentation.) Biomedical Engineering Society, Chicago, Illinois, Oct. 14, 2006.

Ketner ME, Lucas CH, Mill MR, **Sheridan B**, Lucas WJ, Yoganathan AP, Steele B. In-vivo hemodynamic analysis of Fontan circulations in lambs under varying ventilation parameters. (Poster presentation.) Biomedical Engineering Society, Chicago, Illinois, Oct. 14, 2006.

Lucas C, Ketner M, Steele B, Mill MR, **Sheridan B**, Lucas WJ, Pekkan K, Yoganathan A. Importance of respiration and graft compliance in Fontan circulations: Experimental and computational studies. 5th World Congress of Biomechanics, Munich, Germany, Aug. 3, 2006.

Ketner ME, Lucas CN, **Sheridan B**, Mill MR, Lucas WJ. Respiration influences and time offsets in normal and Fontan circulations in lambs. (Poster presentation.) Biomedical Engineering Society. Oct. 1, 2005, Baltimore, Md.

Lucas CN, Ketner M, Steele B, Mill MR, **Sheridan B**, Lucas WJ, Pekkan K, Yoganathan AP. Toward an understanding of the effects of graft compliance in Fontan repairs. (Platform presentation.) Biomedical Engineering Society. Sept. 30, 2005, Baltimore, Md.

Tsai BM, Turrentine MW, **Sheridan BC**, Wang M, Fiore AC, Brown JW, Meldrum DR, Ketner ME. Cialis<sup>TM</sup> causes pulmonary artery vasorelaxation and attenuates catecholamine-induced pulmonary vasoconstriction: a novel long-acting oral alternative to milrinone. Southern Thoracic Surgical Association, Nov. 4-6, 2004, Cancun, Mexico.

Ketner ME, Lucas CN, Mill MR, **Sheridan B**, Lucas WJ, Yoganathan AP. Energy, hemodynamics, and respiration effects in lambs with various Fontan circulations. (Platform presentation.) Biomedical Engineering Society, Oct. 15, 2004, Philadelphia, Pa.

Steele BN, Ketner ME, Sundaresaran K, Lucas WJ, **Sheridan B**, Yoganathan AP, Lucas CN. Energy losses due to graft compliance under steady and pulsatile flow in the extracardiac TCPC. (Platform presentation.) Biomedical Engineering Society meeting, Oct. 15, 2004, Philadelphia, Pa.

## ARTICLES SUBMITTED FOR PUBLICATION

Federspiel JJ, Stearns SC, Geissler KH, Tripplette MA, D'Arcy LP, Reiter KL, Sheridan BC, Rossi JS. Disappearing versus Reappearing Differences in the Use of Drug-Eluting Stents

by Race Among Medicare Beneficiaries? International Journal of Technology  
Assessment in Health Care (Submitted April 2011) (22 typed pages)

Federspiel JJ, Stearns SC, Sheridan BC, Kuritzky JJ, D'Arcy LP, Crespin DJ, Carey TS, Rossi JS. Using rapid technology diffusion to identify the comparative effectiveness of drug-eluting stents versus bare metal stents for Medicare beneficiaries with acute coronary syndromes. J Am Coll Cardiol (Submitted September 2010).

## **TEACHING ACTIVITIES**

### **Lectures**

Coronary sinus injuries. Tricks of the Trade lecture, Division of Cardiothoracic Surgery conference, UNC School of Medicine, Aug. 6, 2009.

Heart disease. MS I Lecture, UNC School of Medicine, Chapel Hill, NC, Nov. 6, 2008.

Leadership when lives are on the line. Carolina Leadership Academy (UNC athletes), UNC Hospitals, Chapel Hill, NC, Oct. 13, 2008.

Surgical aspects of cardiac transplantation. MSII Cardiovascular Block Lecture, UNC School of Medicine, Chapel Hill, NC, Sept. 25, 2008.

Chest pain and shortness of breath. MS III Lecture Series, 6/21/06, 7/26/06, 9/20/06, 1/24/07, 1/7/08, 3/17/08, 7/28/08, 11/17/08, 7/20/09, 3/30/10, 11/22/10.

Medical student tutorials: 2005-06 (Blocks 6, 5, 4) and 2006-07 (Blocks 2, 1) and 2007-08 (Block 3)

Clinical correlation of cardiac anatomy. Lecture to first-year medical students, UNC School of Medicine, Chapel Hill, NC, Nov. 2, 2005; Nov. 1, 2007.

Interventions in acute myocardial infarctions: coronary artery bypass graft. Lecture to first-year medical students in Clinical Applications course, UNC School of Medicine, Chapel Hill, NC, Nov. 8, 2005.

Repetitive mentor for General Surgery elective for 3<sup>rd</sup>-year medical students

### **Grand Rounds**

Left ventricular assist devices – where is it going? Grand Rounds, UNC Dept. of Surgery, Chapel Hill, N.C. August 17, 2011.

Graying of America and mitral valve disease. Grand Rounds, UNC Dept. of Surgery, Chapel Hill, N.C. May 5, 2010.

Comparative efficacy research: Best mechanisms for myocardial revascularization in the elderly. Grand Rounds, UNC Dept. of Surgery, Chapel Hill, N.C., Sept. 23, 2009.

The role of technology on heart failure: LVAD therapy. Cardiovascular Grand Rounds, Forsyth Medical Center, Winston-Salem, N.C., Sept. 4, 2008.

Taking the mystery out of aortic dissection. Cardiovascular Grand Rounds, UNC Division of Cardiology, Chapel Hill, N.C., Oct. 9, 2007

Surgical approach to aortic dissection. UNC Medicine Grand Rounds, Chapel Hill, N.C. April 12, 2007.

CABG versus PCIS. UNC Heart Center Grand Rounds, Chapel Hill, NC, May 17, 2006.

Congestive heart failure: A medical and surgical disease. Surgery Grand Rounds, UNC Hospitals, Chapel Hill, NC, August 3, 2005.

Beating atrial fibrillation. Family Medicine Grand Rounds, UNC Hospitals, Chapel Hill, NC, May 2, 2005.

Heart failure 2010: Surgical strategies (part of a panel on how treatment for heart failure may change/improve). Multidisciplinary Grand Rounds (Internal Medicine), UNC Hospitals, Chapel Hill, N.C., January 6, 2005.

Atrial fibrillation: Re-emergence of a surgical approach. Surgery Grand Rounds, UNC Hospitals, Chapel Hill, N.C., August 18, 2004.

The evolution of myocardial revascularization. Surgery Grand Rounds, UNC Hospitals, Chapel Hill, N.C., June 25, 2003.

### **Continuing Education Lectures**

#### **Inside UNC:**

The role of surgery in the treatment of mitral valve disease. North Carolina Cardiovascular Update 2010, UNC School of Medicine, Friday Center, Chapel Hill, NC, Sept. 18, 2010.

Panel Discussion. North Carolina Cardiovascular Update 2010, UNC School of Medicine, Friday Center, Chapel Hill, NC, Sept. 18, 2010.

Case Review. North Carolina Cardiovascular Update 2010, UNC School of Medicine, Friday Center, Chapel Hill, NC, Sept. 18, 2010.

Mitral valve disease and the elderly. Internal Medicine Conference, Department of Medicine, UNC School of Medicine, Friday Center, Chapel Hill, NC, April 9, 2010.

Case Review. North Carolina Cardiovascular Update 2009, UNC School of Medicine, Friday Center, Chapel Hill, NC, Sept. 26, 2009.

Valve Surgery in the Elderly. North Carolina Cardiovascular Update 2009, UNC School of Medicine, Friday Center, Chapel Hill, NC, Sept. 25, 2009.

Panel discussion. North Carolina Cardiovascular Update 2009, UNC School of Medicine, Friday Center, Chapel Hill, NC, Sept. 25, 2009.

Heart Failure/ Left Ventricular Assist Devices. North Carolina Cardiovascular Update, UNC School of Medicine, Friday Center, Chapel Hill, NC, September 27, 2008.

Case review. North Carolina Cardiovascular Update, UNC School of Medicine, Friday Center, Chapel Hill, NC, September 27, 2008.

Surgical treatment of heart failure. CV Update: Heart Failure Management, UNC School of Nursing Continuing Education, Friday Center, Chapel Hill, NC, Nov. 8, 2007.

Cardiovascular case review – panel discussion. 2007 North Carolina Cardiovascular Update (UNC School of Medicine), Chapel Hill, N.C., Sept. 29, 2007

Is bypass surgery or multi-vessel PCI the best treatment for patients with severe coronary artery disease – has anything changed in the last year? (Debate with Mauricio Cohen, MD, interventional cardiologist) 2007 North Carolina Cardiovascular Update (UNC School of Medicine), Chapel Hill, N.C., Sept. 28, 2007

CABG vs. PCIS: Evidence-based treatment of multi-vessel coronary disease. 4<sup>th</sup> Annual UNC Heart Center Conference. (The Beat Goes On: Roads Less Traveled in Cardiovascular Management). UNC Hospitals Nursing Practice, Education and Research. Chapel Hill, N.C. Feb. 27, 2007.

The best treatment for multi-vessel coronary artery disease – bypass surgery versus multi-vessel stenting. North Carolina Cardiovascular Update, Chapel Hill, N.C. Sept. 16, 2006.

Panel discussion. North Carolina Cardiovascular Update, Chapel Hill, N.C. Sept. 16, 2006.

Improved long term survival with surgical myocardial revascularization. UNC Cardiothoracic surgical conference, Chapel Hill, N.C. July 14, 2006.

Destination therapy: Where we've been, where we're going. 3<sup>rd</sup> Annual UNC Heart Center Conference (The Beat Goes On: Roads Less Traveled in Cardiovascular Management). Chapel Hill, NC, Feb. 28, 2006.

Cardiovascular surgery in 2005 – where do we stand? North Carolina Cardiovascular Update, UNC School of Medicine, Friday Center for Continuing Education, Chapel Hill, NC, Sept. 10, 2005.

Beating atrial fibrillation. UNC Cardiac Rehabilitation Center, Chapel Hill, N.C., November 10, 2004

**Outside UNC:**

Minimally invasive mitral valve repair. North Carolina Society of Perfusionists, 2010 Annual Education Seminar. Durham, NC, Sept. 19, 2010.

Destination therapy: The argument for cardiac assist devices in end-stage CHF patients. Cardiovascular Disease Symposium 2010: Health Care in Evolution: Opportunities and Challenges for the Cardiovascular Patient. WakeMed Heart Failure Program, Raleigh, NC, Feb. 27, 2010.

Ventricular assist devices. Chapel Hill Family Medicine, Chapel Hill, NC. Jan. 15, 2010.

- Three-year outcomes of coronary artery bypass grafting and percutaneous intervention with stents in very elderly acute coronary syndrome patients. Southern Thoracic Surgical Association, Marco Island, Fla. Nov. 5, 2009.
- Which device, which patient (panel discussion). Heart Failure Management 2009, UNC Schools of Medicine, Nursing and Pharmacy, Amelia Island, Fla., July 17, 2009.
- Ventricular assist devices: Critical aspects of clinical application. Heart Failure Management 2009, UNC Schools of Medicine, Nursing and Pharmacy, Amelia Island, Fla., July 17, 2009.
- Mitral valve disease – surgical update. American College of Surgeons, 94<sup>th</sup> Annual Clinical Congress. October 11, 2008, San Francisco, CA.
- Percutaneous coronary intervention or coronary artery bypass grafting: Intervention in the elderly with Acute Coronary Syndrome. Part I: Differential diffusion of invasive therapies; Part II: Outcomes from invasive treatments. With CME post-test and learning objectives for each part, written by Sheridan. CME materials published in Clinical Geriatrics, 2008. (Clin Geriatrics 2008;16(10):39-44. Clin Geriatrics 2008;16(11):40-46.)
- Novel devices for heart failure management. Heart Failure Management 2008, UNC Schools of Medicine, Nursing and Pharmacy. Amelia Island, Fla. July 18, 2008.
- Which device, which patient (panel discussion). Heart Failure Management 2008, UNC Schools of Medicine, Nursing and Pharmacy. Amelia Island, Fla. July 18, 2008.
- Surgical approaches to ventricular remodeling. Heart Failure Management 2008, UNC Schools of Medicine, Nursing and Pharmacy. Amelia Island, Fla. July 18, 2008.
- Novel devices for heart failure treatment (discussion). Heart Failure Management 2007 (UNC Schools of Medicine, Nursing and Pharmacy). Amelia Island, Fla., July 14, 2007.
- Surgical approaches to ventricular remodeling. Heart Failure Management 2007 (UNC Schools of Medicine, Nursing and Pharmacy). Amelia Island, Fla., July 13, 2007.
- Devices and surgical approaches in the management of heart failure (panel discussion). Heart Failure Management 2007 (UNC Schools of Medicine, Nursing and Pharmacy). Amelia Island, Fla., July 13, 2007.
- Endocarditis. Review Course in Cardiac and Thoracic Surgery (postgraduate course). American College of Surgeons Clinical Congress, San Francisco, Calif., Oct. 19, 2005.
- Surgical treatment of CHF. Heart Failure Management Conference, Amelia Island, Fla., July 15, 2005.
- Therapeutic approach to atrial fibrillation. Nash General Hospital (sponsored by AHEC – Health Education Foundation of Eastern North Carolina), Rocky Mount, N.C. Jan. 19, 2005.

HIT (Heparin induced thrombocytopenia) and CPB (Cardio-pulmonary bypass). North Carolina Society of Perfusionists. (Meeting sponsored by East Carolina University) Chapel Hill, N.C. April 24, 2004.

Minimally invasive cardiac surgery. Presentation to medical staff and allied health professionals, High Point Regional Health System, High Point, N.C., October 28, 2003.

Surgical treatment: The standard of care for peripheral arterial occlusive disease. Horizons in Surgery, Department of Surgery, University of Colorado, Breckenridge, Colo., March 12, 1999.

Acute and chronic effects of double lung transplantation without cardiopulmonary bypass on the first transplanted lung. American College of Surgeons (Colorado Chapter), Breckenridge, Colorado, June 12, 1998.

Axillary breast dissection for invasive breast cancer is essential. Horizons in Surgery, Department of Surgery, University of Colorado, Breckenridge, Colorado, March 8, 1998.

Interleukin-11 attenuates TNF-mediated lung inflammation following endotoxin. Western Trauma Association, Lake Louise, Alberta, Canada, February 25, 1998.

Acute and chronic effects of double lung transplantation without cardiopulmonary bypass on the first transplanted lung. Southern Thoracic Surgical Association, Naples, Florida, November 8, 1997.

Endotoxin-induced vascular collapse derives from K<sub>ATP</sub> channel activation with resultant impairment of alpha 1-adrenergic signaling. American College of Surgeons (Surgical Forum), Chicago, Illinois, October 15, 1997.

Malignant melanoma: Aggressive surgical management. Horizons in Surgery, Department of Surgery, University of Colorado, Breckenridge, Colorado, March 10, 1997.

L-arginine depletion mediates pulmonary artery endothelial dysfunction in acute lung injury. Society of University Surgeons, Tampa, Florida, February 15, 1997.

Tumor necrosis factor mediates endotoxin-induced pulmonary vascular injury. Association for Academic Surgery, Chicago, Illinois, November 16, 1996.

Phosphodiesterase inhibition overcomes pulmonary vasomotor dysfunction in acute lung injury. Association for Academic Surgery, Chicago, Illinois, November 14, 1996.

Neutrophils mediate pulmonary vascular smooth muscle dysfunction in acute lung injury. American College of Surgeons (Surgical Forum), San Francisco, California, October 9, 1996.

Pulmonary dysfunction and sepsis. Collier Surgical Society. Colorado Springs, Colorado, October 4, 1996.

Neutrophils mediate pulmonary vasomotor dysfunction in endotoxin-induced acute lung injury. American Association for the Surgery of Trauma, Houston, Texas, September 19, 1996

Multidisciplinary approach to persistent and recurrent hyperparathyroidism. American College of Surgeons (Colorado Chapter). Breckenridge, Colorado, June 13, 1996.

Fever: a maladaptive response. Horizons in Surgery, Department of Surgery, University of Colorado, Breckenridge, Colorado, March 16, 1996.

Neutrophils mediate impairment of cGMP-mediated mechanisms of pulmonary vasorelaxation in acute lung injury. Society of University Surgeons, Washington D.C., February 10, 1996.

Immune enhancing diets are beneficial. Horizons in Surgery, Department of Surgery, University of Colorado, Breckenridge, Colorado, February 23, 1995.

### **Clinical Teaching**

Daily clinical teaching of 3<sup>rd</sup> year medical students on the General Surgery service who are rotating on Cardiothoracic Surgery (2002-present) - Curriculum on basic surgery concepts

Daily clinical teaching of 4<sup>th</sup> year medical students choosing Cardiac Surgery as a Critical Care elective (2004-present) - Curriculum of advanced understanding of critical care

Daily clinical education of 2<sup>nd</sup> year General Surgery Residents (2002-present) - Curriculum of Critical Care pathophysiology and treatment, ICU procedures and technique as well as medical optimization of heart failure

Daily clinical education of Cardiothoracic Surgery Residents – years 1 through 3 (2002- Present) - This reflects a rigorous curriculum covering the breadth of cardiac surgery inclusive of all aspects of the care of the cardiac surgical patient.

### **Preceptor**

Preceptor for Surgery Residents Houman Tamaddon and Jason Glotzbach in 2005-06 and 2006-07; Glotzbach in 2007-08.

### **Lab/Mentoring**

Suturing Workshop for surgery residents, UNC, Chapel Hill, N.C. Helped residents learn to complete closure of an arteriotomy and complete an anastomosis. Jan. 30, 2008

### **Other Supervision**

Participant, Mock Orals for Surgery Residents, UNC Department of Surgery: 2005, 2006, 2007

Participant, Shadowing Program (for pre-med students), Carolina Pre-Medical Association, 2006-07



**RESEARCH EXPERIENCE:**

**ACTIVE**

Protocol TMH-08 (N. Key, PI) 12/1/2010 to 8/31/2014

National Heart, Lung, and Blood Institute  
(Transfusion Medicine/Hemostasis Clinical Trials Network)

Red Cell Storage Duration Study (RECESS)

A randomized trial to determine if there is a clinically important difference between the effect of shorter storage-age red blood cells (RBCs) vs longer storage-age RBCs on clinical outcome and mortality risk.

Role: Co-Investigator

1T32HL083828-01 (Stouffer, PI) 2010-present

National Institutes of Health (NRSA)

UNC Clinician-Scientist Training Program in Cardiovascular Medicine

Role: Grant advisory committee member

NCT00086450 / G040164 (from Mt. Sinai) (Sheridan, UNC PI) 2006-present

National Institutes of Health (Clinical trial) – UNC has subcontract from Mt. Sinai  
School of Medicine.

Future REvascularization Evaluation in Patients with Diabetes Mellitus: Optimal Management of Multivessel Disease (FREEDOM trial)

Role: Principal Investigator for UNC  
School of Medicine.

IDE G000058 (Sheridan, Local PI) 1-25/2005-present

Jarvik 2000 Multi-Center Pivotal Study

Jarvik Heart, Inc.

The purpose of this multi-center pivotal study is to determine the potential clinical utility of the Jarvik 200 Heart as a bridge to heart transplantation and ultimately as a permanent assist device in patients with heart failure.

Role: Local principal investigator

**COMPLETED**

1R01AG025801-01A1 (Stearns, PI; Sheridan, Co-PI) 09/15/2007-06/30/2010 20%

National Institutes of Health (National Institute on Aging) (\$451,000 direct costs)

Acute coronary syndrome outcomes for Medicare patients

Role: Co-principal investigator

1R01AG025801-03S1 (Stearns, PI; Sheridan, co-PI) 7/1/2009-6/3/2010

National Institutes of Health (National Institute on Aging)

Acute coronary syndrome outcomes for Medicare patients – administrative supplement

This administrative supplement will investigate the causes of repeat revascularization among Medicare patients admitted with ACS.

Role: Co-PI

BRP HL 67622 (Lucas, PI)

07/01/02-06/30/07

National Institutes of Health with Georgia Institute of Technology, Emory University, and Children's Hospital of Philadelphia.

Understanding/improving flow dynamics of Fontan repairs.

Role: Co-Investigator (Local)

1U01-HL69015-02 (Ohman, PI)

01/18/02-12/31/05

National Institutes of Health

STICH-Surgical Treatment for Ischemic Heart Failure.

Multicenter international randomized trial of therapy for patients with clinical heart failure, left ventricular dysfunction with CAD amenable to surgical revascularization. Hypothesis (1): CABG w/ intensive medical therapy improves long-term survival compared to intensive medical therapy alone. Hypothesis (2): In patients w/ anterior LV dysfunction, surgical ventricular restoration to a more normal LV size improves survival free of subsequent hospitalization for cardiac cause in comparison to CABG alone.

Role: Local Co-Investigator

CGT003-04 (Sheridan, Local PI)

02/12/03-3/29/05

Society of Thoracic Surgeons/ Duke Clinical Research Institute/Corgentech

Prevent IV

A phase III, Multi-Center Randomized, Double-Blind, Placebo-Controlled Trial of the Ex Vivo Treatment with CGT003 of Coronary Vein Grafts in patients undergoing coronary artery bypass graft procedures.

Role: Local PI

1995-1997

N.I.H. Trauma Surgical Research Fellow

University of Colorado Health Sciences Center, Denver, Colorado

Mentors: David A. Fullerton, M.D., Robert C. McIntyre, Jr., M.D.

1986-1988

Undergraduate Research Grant, Stanford University

Mentor: Mervyn Maze, M.D.

## **PROFESSIONAL SERVICE, MEMBERSHIPS**

### **National organizations:**

American College of Cardiology (Candidate), 2002-present  
American College of Chest Physicians (Affiliate), 2002-present  
American College of Surgeons (Fellow), 2006-present  
American Geriatrics Society – Reviewer for Jahnigen Career Development Scholars Awards  
(Thoracic Surgery section) - Dec. 12, 2008-Jan.15, 2009.  
American Physiological Society (Member), 2002-present  
Heart Valve Society of America (Member), 2005-present  
Society of Thoracic Surgeons (Member)  
Task Force on Performance Improvement CME, July 2010-present  
Peer reviewer for abstracts and surgical videos for STS' 2010 meeting,  
May 19, 2009-present  
Member - Workforce on Clinical Education, 2006-present  
Southern Thoracic Surgical Society (Member), 2003-present

### **Government committees:**

U.S. Food and Drug Administration, Circulatory System Devices Panel – member of Advisory  
Panel, 2007-present; training and panel meeting on July 22-23, 2009, Gaithersburg, Md.  
United Network for Organ Sharing – Region 11 Heart Regional Review Board (provides quick  
review for specific urgent status patient registrations on OPTN/UNOS heart waiting list.  
Rotations: Nov. 1, 2009-Feb. 28, 2010; Nov. 1, 2010-Feb. 28, 2011.

### **Editorial activities:**

Chief Editor, Cardiology Journal, *e-Medicine.com*, 2007-present  
Invited Reviewer, American Heart Journal, 2002-present  
Reviewer, American Journal of Physiology, 2002-present  
Reviewer, Journal of Applied Physiology, 2002-present

### **Within UNC-Chapel Hill:**

#### University of North Carolina Hospitals:

Director of Adult Cardiac Surgery, 2008-present  
Director of Mechanical Circulatory Support & Cardiac Transplantation, 2008-present  
Member, Cardiac and Vascular Service Sector Team (Strategic Planning), 2008-present  
Member, Critical Care e-Chart Physician Design Team (ICU), 2008-present  
Member, Transplant Committee, November 2007-present  
Medical Director, Cardiothoracic Intensive Care Unit, 2004-present  
Committee on Medical Student Issues and Clerkship Coordination, September 2004-present  
Multidisciplinary Hospital Committee, Approach to the patient with HITT, 2004-present  
Multidisciplinary Hospital Committee, Quality improvement to decrease patient in-hospital time  
from heart catheterization to definitive treatment, 2004-present

#### UNC Medical School:

Conducted interviews for UNC general surgery residents 2006  
Education Committee, UNC Department of Surgery, September 2004-present  
Conducted interviews for UNC cardiothoracic surgery residents 2003-present (most recent –  
12/3/10; 11/19/10; 3/25/10; 1/16/10; 1/15/10)

### **Other activities:**

Research Fellow, Cecil G. Sheps Center for Health Services Research, April 2005-March 2015