**CURRICULUM VITAE**

Bradley S. Taylor, MD, MPH

Professor, Department of Surgery

Dr. Joseph S. and Irene P. McLaughlin Professorship in Cardio-Thoracic Surgery

Chief, Division of Cardiothoracic Surgery

Director, System Integration

University of Maryland School of Medicine

Co-Director, Aortic Center

University of Maryland Medical Center

**Date** May 17, 2022

**Contact Information**

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**Education**

1981-1983 A.A. Oxford College of Emory University, Oxford GA

1983-1985 B.S., Biology, Emory University, Atlanta, GA

1985-1988 M.P.H., Health Administration, Emory University School of Medicine, Atlanta, GA

1989-1993 M.D., Emory University School of Medicine, Atlanta, GA

**Post Graduate Education and Training**

1990-1991 Medical Student Research Fellow, Department of Surgery, Emory University,

Atlanta, GA, Laboratory of Alan B. Lumsden, M.D., Division of Vascular Surgery Project: Platelet deposition and neointima formation in an injured canine model

1993-1994 Internship, Surgery, University Health Center of Pittsburgh, Pittsburgh, PA

1994-1996 Residency, Surgery, University Health Center of Pittsburgh, Pittsburgh, PA

1996-1998 Research Fellowship, University of Pittsburgh, Department of Surgery, Pittsburgh,

 Laboratory of David A. Geller, M.D. Project: Molecular regulation of the human inducible nitric oxide gene

1998-2000 Residency, Surgery, University Health Center of Pittsburgh, Pittsburgh, PA

2000-2002 Residency, Cardiothoracic, University Health Center of Pittsburgh, Pittsburgh, PA

2006 Advanced Training in Catheter Based Diagnostic Aortic and Cerebral Angiography, University Health Center of Pittsburgh, Pittsburgh, PA (3 months)

2006 Fellowship, Minimally Invasive Cardiac Surgery, Onze-Lieve-Vrouw Ziekenhuis, Alast,

 Belgium (6 months)

2007 Minimally Invasive Surgery, Onze-Lieve-Vrouw, Ziekenhuis Alast, Belgium (1 month)

2007 Joseph M. Katz Graduate School of Business, UPMC-PSD Physician Leadership and Management Certificate Program, Pittsburgh, PA (3 months)

2010 Practical Training in Vascular Interventions, University of Michigan School of Medicine (1 month)

**Certifications**

2000 Advanced Cardiac Life Support, American College of Surgeons

2000 Pediatric Advanced Life Support, American College of Surgeons

2000 Advanced Trauma Life Support, American College of Surgeons

2000 Instructor, Advanced Trauma Life Support, American College of Surgeons

2002 Board Certified – General Surgery

2003 Board Certified-Thoracic Surgery

2014 Board Recertification – Thoracic Surgery

2021 Board Recertification – Thoracic Surgery

**Medical Licensures**

Pennsylvania Active

Maryland Active

**Employment History**

**Academic Appointments**

2002-2007 Assistant Professor, Cardiothoracic Surgery, UPMC

2012-2019 Associate Professor, Department of Surgery, UMSOM

2019 - Present Professor, Department of Surgery, UMSOM

2021 – Present Chief, Division of Cardiothoracic Surgery, UMSOM

2022 – Present Dr. Joseph S. and Irene P. McLaughlin Professorship in Cardio-Thoracic Surgery

**Other Employment**

7/2002-11/2002 Attending Physician, Allegheny General Hospital

11/2002-5/2007 Attending Physician, Division of Cardiovascular Surgery, Dept. of Surgery, UPMC Presbyterian/Shadyside

11/2003-5/2007 Attending Physician, Cardiothoracic Surgery, VA Pittsburgh Healthcare

5/2007-2012 Attending Staff Physician, The York Hospital, Gettysburg Hospital and Good Samaritan Hospital

5/2007-9/2012 Cardiovascular Surgeon, Wellspan Health York, Gettysburg and Lebanon PA

**Professional Society Memberships**

2000 American College of Surgeons Candidate Group

2000 Association for Academic Surgery Candidate Member

2000 Thoracic Surgery Residents Association

2000 Southeastern Surgical Congress

2000 International Society for Heart and Lung Transplantation

2000 Candidate & Associate, Society of the American College of Surgeons Council of

 Representatives

2000 Candidate & Associate, Society of the American College of Surgeons Alternate to the Executive Council

2005 The Society of Thoracic Surgeons

2005 American College of Cardiology

2005 Heart Valve Society

2006 The International Society for Minimally Invasive Cardiothoracic Surgery

2008 Faculty of the American College of Surgeons

2009 European Association for Cardio-Thoracic Surgery

2014 American Society of Echocardiography (Surgical Representative)

2014 American Board of Thoracic Surgery

2015 Eastern Cardiothoracic Surgical Society

2018 American Association of Thoracic Surgeons

2019 Southern Thoracic Surgical Association

**Honors and Awards**

1996-1998 Association for Academic Surgery/David & Geck Surgical Research Fellowship Award

1997 Surgical Infection Society Resident Research Award

1997 Southwestern PA Chapter, American College of Surgeons Resident Research Award

1998 Surgical Infection Society Joseph Susman Memorial Award

2000 Alpha Omega Alpha

2000 Charles C. Moore Teaching Award, University of Pittsburgh School of Medicine

2000 Doris B. Maxwell Basic Science Research Award, Department of Surgery

2001 Best Paper Presentation, Emerging Issues in Solid Organ Transplantation

2012 Nursing MD Collaboration and Respect Award York Hospital

2012 MD Educator Award York Hospital

2015 Golden Apple Resident Teaching Award, UMMC Division of Cardiothoracic Surgery

2016 Baltimore Magazine ‘Top Doctors’

2017 Baltimore Magazine ‘Top Doctors’

2019 Baltimore Magazine ‘Top Doctors’

2020 AATS Leadership Academy

2021 Baltimore Magazine ‘Top Doctors’

**Clinical Activities**

* 16 years of clinical experience who performs 450-500 open heart cases/year.
* Top 5% volume wise of cardiac surgeons in the country
* Expert in coronary artery bypass grafting and endovascular and cardiovascular surgery
* The only surgeon in the Mid-Atlantic region performing robotic assisted minimally invasive direct coronary artery bypass grafting with approximately 35-40 cases per year. Divisional coronary artery bypass grafting mortality rates have been around 1.0% annually 2014-2020
* One of a few cardiac surgeons nationally with advanced endovascular skills and routinely perform complex endovascular aortic repair.
* Developed a team of surgeons and nurses that have become a dominant provider in Cardiac Surgery in the Mid-Atlantic region.

**Administrative Service**

**Institutional Service**

2005-2007 Patient’s Safety Committee – UPMC

2005-2007 OR Committee – UPMC

2005-2007 ICU Committee – UPMC

2005-2007 DaVinci Committee - UPMC

2006-2007 Faculty Member, McGowan Institute for Regenerative Medicine

2007 Institutional Review Board – UPMC

2007 Technology Improvement Committee – UPMC

2008 Chairman DaVinci Committee - Wellspan Health, York, PA

2011-2012 VTE Task Force-Wellspan Health, York, PA

2011-2012 Cardiac Surgery Bundling Project-Wellspan Health, York, PA

2012 - Present Surgical Site Infection Committee, UMMC

Director, Cardiac Surgery Quality Committee, UMMC

 Enhanced Professionalism Task Force, UMSOM, UMMC

 Operating Room Efficiency Committee, UMMC

2012 – Present Director of Coronary Surgery, UMMC

2012 – Present Director of Quality, Division of Cardiac Surgery, UMMC

2016 - Present Director of Thoracic Aortic Surgery, UMMC

2017 – Present Co-Director, Aortic Center, UMMC

2017 – Present Co Chair Cardiac Surgery Network, Clinical Performance Improvement Council,

 UMMS

2018 - 2021 Vice-Chief, Department of Surgery, Division of Cardiothoracic Surgery, UMSOM

2018 - Present Director of System Integration, UMMS

2021 – Present Chief, Department of Surgery, Division of Cardiothoracic Surgery, UMSOM

**Local**

2012 - Present Maryland State Cardiac Surgery Quality Initiative-Board of Directors

**National**

2004 Guest Reviewer*, Journal of Thoracic and Cardiovascular Surgery* (1-2/year)

 Guest Reviewer, *Annals of Thoracic Surgery* (6-10/year)

2014-2018 Council of Perioperative Echocardiography Board Member, American Society of Echocardiography

2014-2018 Guest Reviewer, *Circulation* (1/year)

 Guest Reviewer, *Journal of Surgical Research* (1/year)

 Reviewer, American Society of Echocardiography

 Guest Reviewer, *Journal of the American College of Cardiology* (1-2/year)

2016-2018 Co-Chairman 2017, 2018 Annual Meeting, Eastern Cardiothoracic Surgical Society

2016-2019 Faculty, Echo Week, American Society of Cardiovascular Anesthesia

2019 Chairman, Annual Meeting, Eastern Cardiothoracic Surgical Society

2018-2022 STS PUF Adult Cardiac Review Committee

2019 AATS Travel Award Committee

2020 STSA Post-Graduate Committee

2021 Board of Governors at Oxford College of Emory University

**Teaching Service**

**Research and Academic Mentoring**

**Resident Mentorship**

2014 - 2021 **Chetan Pasrija, MD** –– Retrospective research involving adult cardiac surgery outcomes. He has had presentations on a national level and publications in Annals of Thoracic Surgery. 4 hours per week

2012 - 2019 **Mehrdad Ghoreishi, MD** –– Retrospective and prospective research involving adult cardiac surgery outcomes. He has had presentations on a national level and publications in Annals of Thoracic Surgery. 4 hours per week

**Medical Student Mentorship**

Summer 2016 **Vinci Naraka** - Visiting Medical Student from Oxford University, England Clinical outcomes after minimally invasive coronary bypass. Data presented at International Coronary Congress, NY.

Fall 2019-2020 **Greg Boyajian** - University of Maryland Medical Student conducting data base and outcomes research. Paper accepted to the AATS Aortic Symposium, May 2020.

2021 **Irina Kolesnik** – University of Maryland Medical Student. Paper accepted at STSA 2021.

**Resident Mentorship**

2012-2014 Marc Gibber, M.D. *Associate Professor*, Aventura, FL.

2012-2015 Zachary Kon, M.D. *Surgical Director of Lung Transplantation*, NYU

2012-2017 A. Clare Watkins, M.D. *Assistant Professor*, Stanford University
2012-2018 Brody Wehman, M.D. M.S. *Assistant Professor*, Bon Secours Richmond, VA.

2012-2019 Charlie Evans, M.D. *Assistant Professor*, UM St. Joseph Medical Center

2012-2019 Carlos Encarnacion, M.D, *Assistant Professor*, Houston Heart Center, Texas

2012-2019 Mehrdad Ghoreishi, M.D. *Assistant Professor,* UM Cardiac Surgery

2015-2020 Sheelagh Pousatis, M.D., *Assistant Professor*, Hartford Healthcare, CT

2012-2020 Eric Krause, M.D. J.D., *Assistant Professor*, UM Division of Thoracic Surgery

2018-2020 Sia Dahi, MD. *Clinical Instructor*, UM Division of Cardiac Surgery

2013-2021 Greg Bittle, M.D., *Assistant Professor*, UM Division of Thoracic Surgery

2014-2022 Chetan Pasrija, M.D., *Resident*, UM Division of Cardiac Surgery

2016 - Present Warren Naselsky, M.D. *Resident*, UM Division of Cardiac Surgery

2017 - Present Aakash Shah, M.D., *Resident*, UM Division of Cardiac Surgery

2017 - Present Joshua Leibowitz, M.D. *Resident*, UM Division of Cardiac Surgery

2019 – Present Stephen Stachnik, MD. *Resident,* UM Division of Cardiac Surgery

2021 – Present Justin Robinson, MD. *Resident*, UM Division of Cardiac Surgery

2021 – Present Douglas Tran, MD. *Resident*, UM Division of Cardiac Surgery

2021 – Present Mark Jayanathan, MD. *Fellow*, UM Division of Cardiac Surgery

**Clinical Teaching**

The University of Maryland has instituted a 6-8 year integrated cardiothoracic residency leading to board certification in Cardiothoracic Surgery. The objective of this pathway is to provide comprehensive diagnostic and management training of all aspects of cardiovascular and thoracic diseases. This multi-disciplinary training is designed to prepare the surgeon to meet the future challenges of our specialty.

2012 - Present Attending Cardiac Surgeon, Department of Surgery, Division of Cardiac Surgery, University of Maryland Medical Center

* Inpatient service oversight and teaching including adult cardiac surgery, and extra-corporeal membrane oxygenation
* Operative oversight and teaching: 10-12 hours/day, 5 days/week
* Clinical service coverage: 1 in 4 weekends/month, 1 in 2 weeknights/week throughout each year.

**Grant Support**

**Active Grants**

12/14/14-12/14/18 (PI, Taylor 1%)

 “Neuroprotection in Patients Undergoing Aortic Valve Replacement”

Mt. Sinai/NHLBI - 00192 10016975

$1,388,754.00

1/20/15-1/19/25 (PI, Taylor, 2%)

“Gore GREAT Registry W.L. Gore and Assoc.”

00192 10015131

$198,711.00

11/7/16-11/6/23 (PI, Taylor 2%)

“Evaluation of the GORE TAG TBE device”

WL Gore

00192 10019166

$273,900.00

7/1/2019-6/30/24 (PI, Taylor 2%)

“ARISE: Evaluation of the GORE Ascending Stent Graft Early Feasibility Trial”

7/1/2019-6/30/24 (PI, Taylor 2%)

 “Evaluation of Terumo Aortic Dual Branch Endograft Early Feasibility Trial”

**Completed Grant**

1/1/17-6/30/18 (PI, Taylor 2%)

“Hybrid Coronary Revascularization Trial”

Icahn School of Medicine at Mount Sinai/ MHLBI

$1,692,644.00

**Publications**

**Peer Reviewed Journal Articles**

1. Colburn GL, Lumsden AB, **Taylor BS**, Skandalakis JE. The surgical anatomy of the popliteal artery. *Am Surgeon* 1994; 60:238-246.
2. Salam TA, **Taylor BS**, Suggs WD, Hanson SR, Lumsden AB. Reaction to injury following balloon angioplasty and intravascular stent placement in the canine femoral artery. *Am Surgeon* 1994; 60:353-357.
3. Colburn GL, Mattar SG, **Taylor BS**, Skandalakis JE, Lumsden AB. The surgical anatomy of the deep femoral artery*. Am Surgeon* 1995; 61:336-346.
4. **Taylor BS**, Kim YM, Wang Q, Shapiro RA, Billiar TR, Geller DA. Nitric oxide down-regulates hepatocyte inducible nitric oxide synthase gene expression. *Arch Surg* 1997; 132:1177-1183.
5. de Vera ME, **Taylor BS,** Wang Q, Shapiro RA, Billiar TR, Geller DA. Dexamethasone suppresses iNOS gene expression by regulating I-κBα and inhibiting NF-kB. *Am J Physiol* 1997; 273: G1290-G1296.
6. **Taylor BS,** Alarcon MH, Hierholzer C, Billiar TR, Geller DA. Induction of hepatic lipopolysaccharide binding protein and CD-14 in fulminant hepatic failure*. Hepatology* 1997; 26:614A.
7. Hierholzer C, Kalff JC, **Taylor BS**, Stadler J, Ungeheuer A, Billiar TR, Tweardy DJ. Stat3 is rapidly activated in the liver during hemorrhagic shock and demonstrates an isoform profile characteristic of G-CSF and IL-6. *Hepatology* 1997; 26:523A.
8. **Taylor BS,** de Vera ME, Ganster RW, Wang Q, Shapiro RA, Morris SM Jr, Billiar TR, Geller DA. Multiple NF-κB enhancer elements regulate cytokine induction of the human inducible nitric oxide synthase gene. *J Biol Chem* 1998; 273:15148-15156.
9. **Taylor BS**, Ganster RA, de Vera M, Billiar TR, Geller DA. Cytokine-stimulated human inducible nitric oxide synthase (iNOS) gene expression is medicated by activity of transcription factors NF-κB and STAT1α. *Surg Forum* 1998; 49:121-122.
10. **Taylor BS,** Ganster R, Shapiro R, Billiar T, Geller D. Cytokine induction of the human inducible nitric oxide synthase (iNOS) gene requires upstream NF-κB elements. *FASEB J,* 1998; 12: A128.
11. Villavicencio RT, Pitt BR, Ganster R, **Taylor BS**, Hierholzer C, Tweardy DJ, Billiar TR. Inducible nitric oxide synthase (iNOS) inhibits activation of NF-κB and STAT3. *Surg Forum* 1998; 49:115-116.
12. **Taylor B**, de vera M, Ganster R, Billiar T, Ford H, Geller D. Upstream Nf-kappa B Enhancer Elements Regulate Cytokine Induction of the Human iNOS Gene. *Pediatrics* vol 102 (3) 1998 page 800.
13. **Taylor BS**, Liu S, Villavicencio RT, Ganster RW, Geller DA. The role of protein phosphatases in the expression of inducible nitric oxide synthase in the rat hepatocyte. *Hepatology* 1999; 29:1199-1207.
14. Chia SH, Murase N, **Taylor BS**, Billiar TR, Starzl TE, Geller DA. Adenoviral-mediated gene delivery to liver isografts: improved model of ex vivo gene transfer. *Transplant Proc* 1999; 31:475-476.
15. **Taylor BS**, Shao LF, Ganster RW, Gambotto A, Simmons RL, Geller DA. Inhibition of cytokine-induced iNOS expression by gene transfer of adenoviral IκBα. *Surgery* 1999; 126:142-147.
16. **Taylor BS**, Rhee RY, Muluk S, Trachtenberg J, Walters D, Steed DL, Makaroun MS. Thrombin injection versus compression of femoral artery pseudoaneurysms. *J Vasc. Surg* 1999; 30:1052-1059.
17. Ganster RW, **Taylor BS,** Shao LF, Geller DA. Complex regulation of human iNOS gene transcription by NF-κB and interferon-Jak-Stat 1 pathway. *Proc Natl Acad Sci* (USA) 2001; 98:8638-8643.
18. Harbrect BG**, Taylor BS**, Xu A, Ramalakshmi S, Geller DA. cAMP inhibits inducible nitric oxide synthase expression and NF-κB binding activity in cultured rat hepatocytes. *Journal of Surgical Research* 2001;99 (2):258-264.
19. Delarue FL, **Taylor BS**, Sebit SM. Ras and RhoA suppress whereas RhoB enhances cytokine-induced transcription of inducible nitric oxide synthase. *Oncogene* 2001; 20:6531-6537.
20. Pahan K, Liu X, Wood C, **Taylor BS**, Wood C, Fischer S. Gemfibrozil a lipid lowering drug, inhibits the induction of nitric oxide synthase in human astrocytes. *Journal of Biological Chemistry* 2002; 277 (48):45984-45991.
21. Zuckerbraun BS, McClosky CA, Mahidhara R, Kim PKM, Billiar TR, **Taylor BS,** Tzeng E. Overexpression of IκBα inhibits vascular smooth muscle cell proliferation and intimal hyperplasia formation and upregulates cyclin dependent kinase inhibitors p21 CIP/Waft and p27kip1*. J Vasc Surg* 2003
22. Nicholson W, Nicholson WJ, Tolerico P**, Taylor B**, et al. Prevalence of fracture and fragment embolization of Bard retrievable vena cava filters and clinical implications including cardiac perforation and tamponade. *Arch Intern Med* 2010; 38:812-9.
23. Wehman B**, Taylor B.** Coronary Revascularization Using Bilateral Internal Thoracic Arteries: Safe with Skeletonization. *Journal of Clinical and Experimental Cardiology*. 2013; S7: 007.
24. Harris, DG, Rabin J, Crews GA, Ho M, **Taylor B,** Sarkar R, O’Connor JV, Scalea TS, Crawford RS. Early Aortic Repair Worsens Concurrent Traumatic Brain Injury. *Ann Thorac Surg*. 2014 Jul;98(1):46-52.
25. Harskamp RE, Brennan JM, Xian Y, Halkos M, Puskas JD, Thourani V, Gammie JS, **Taylor BS**, et al. Utilization, Characteristics, and Clinical Outcomes after Hybrid Coronary Revascularization in the United States: An analysis from the Society of Thoracic Surgeons Adult Cardiac Database. *Circulation.* 2014 Sep 9:130(11):872-9.
26. Harris, DG, Rabin J, Kufera JA, **Taylor B**, Sarkar R, O’Connor JV, Scalea TS, Crawford RS. A New Aortic Injury Score Predicts Early Rupture More Accurately than Clinical Assessment. *J Vasc Surg.* 2015, Feb;61(2)332-338.
27. **Taylor, B**, Brady, MB. Echo, the Cardiac Operating Room, and Intraoperative Echocardiography. J Am Soc Echocardiogr. 2015 Jul;28(7):32A.
28. Wehman, B, McCormick, B, Pham, S, **Taylor, B**. Safe Sternal Reentry in the setting of a giant aortic pseudoaneurysm and aortic regurgitation*. J Thorac Cardiovasc Surg* 2015 Jun;149(6): e94-96.
29. Strauss, E, **Taylor, B**, Mazzeffi, M, Tanaka, K, Odonkor, P. The Auscultation of a Carbon Dioxide Embolization Event during Endoscopic Vein Harvesting. Case Reports in *Anesthesiology,* Vol. 2016; 2016:6947679.
30. Whellan DJ, McCarey M, **Taylor, BS**, Rosengart TK, Wallace AS, Shroyer LW, Gammie, JS, Peterson, ED. Trends in Robotic Assisted Coronary Artery Bypass Grafts: A study of STS-ACSD, 2006-2012. *Ann Thorac Surg*. 2016 Jul;102(1):140-6.
31. Harris DG, Rabin J, Starnes BW, Khoynezhad A, Conway G, **Taylor BS**, Crawford RS. Evolution of Lesion Specific Management of Blunt Thoracic Aortic Injury. *J Vasc Surg*. 2016 Aug;64(2):500-505.
32. Henderson R, Chow R, Morales R, **Taylor B,** Mazzeffi MA. Removal of an Entrapped Lumbar Drain After Thoracic Endovascular Aortic Repair. *AA Case Rep*. 2016 Aug 15;7(4):93-5.
33. Maghami S, Ghoreishi M, Foster N, Dawood MY, Hobbs GR, Stafford P, Adawal D, Mohammed I, Zandee van Rilland ED, Diao XY, Walterhoefer M, **Taylor BS**, Griffith BP, Gammie JS. Undersized Rigid Nonplanar Annuloplasty: The Key to Effective and Durable Repair of Functional Tricuspid Regurgitation. *Ann Thorac Surg*. 2016 Sep;102(3):735-42.
34. Mazzeffi M, Sanchez P, Herr D, Evans C, Krause E, Rector, R, Pham S, **Taylor BS**, Griffith B, Kon Z. Outcomes of extracorporeal cardiopulmonary resuscitation (ECPR) for refractory cardiac arrest after cardiac surgery. *J Thorac Cardiovasc Surg*. 2016 Oct;152(4):1133-9.
35. Wehman B, Siddiqui O, Jack G, Vesely M, Li T, Mishra R, Sharma S, **Taylor BS**, Griffith BP, Kaushal S. Intracoronary Stem Cell Delivery to the Right Ventricle: A Preclinical Study. *Semin Thorac Cardiovasc Surg.* 2016 Winter;28(4):817-824. Epub 2016 Oct 14.
36. Sharma S, Mishra R, Wehman B, Goo Y, Tran B, Chen L, Srinivisa R, Datla R, Guo Y, Balachandran Y, **Taylor BS**, Yang P, Karathanasis B, Goodlet D, Kaushal S. A Deep Proteome Analysis Identifies the Complete Secretome as the Functional Unit of the Human Cardiac Progenitor Cells. *Circ Res*. 2017 Mar 3;120(5):816-834.
37. Mazzeffi M, Gammie J, **Taylor BS**, Cardillio S, Amoroso A, Harris A, Thom K. Healthcare associated infections and mortality in cardiac surgery patients with prolonged intensive care unit stay. *Ann Thorac Surg*. 2017 Apr;103(4):1165-1170
38. Laser A, Drucker CB, Harris DG, Flohr T, Toursavadkohi S, Sarkar R, **Taylor BS**, Crawford RS. Management and outcomes of carotid artery extension of aortic dissections. *J Vasc Surg*. 2017 August. Vol 66:2:445-453.
39. Jabra J, Trimarchi S, Braverman A, Di Eusanio M, Myrmel T, Ehrlich M, Eckstein H, Ouzounian M, Upchurch G, Khoynezhad A, **Taylor B,** Montgomery D, Nienaber C, Eagle E, Isslebacher E, Patel H. Body Mass Index and Acute Aortic Dissection*. Journal of the American College of Cardiology.* 2017. Vol. 69:11: 2049.
40. Oliveri P, Fatima S, Galvagno S, Haase D, **Taylor B**, Herr D, Bruni D, Murthy S. Can Transthoracic Echocardiography Replace a Pulmonary Artery Catheter? Not Yet. Critical Care: Imaging in the ICU*. American Journal of Respiratory and Critical Care Medicine.* May 2017 page A3744.
41. Wipfli C, Fitzpatrick M, Fitzpatrick J, **Taylor B**, Tanaka K. Assessment of Fibrin Polymerization During Bivalirudin Anticoagulation for Transcatheter Aortic Valve Replacement. *J Cardiothorac Vasc Anesth.* 2017 Aug;31(4): e65-e66.
42. Williams B, Chriss E, Kaplan J, Catron A, **Taylor B**, Gammie J, Tanaka K, Mazzeffi. Hypothermia, pH, and Postoperative Red Blood Cell Transfusion in Massively Transfused Adult Cardiac Surgery Patients: A Retrospective Cohort Study. *Journal of Cardiothoracic and Vascular Anesthesia*.  2017 Nov 24. pii: S1053-0770(17)30924-2.
43. Mazzeffi M, Khang L, **Taylor B,** Tanaka K. Perioperative Management of Antiplatelet Agents-Aspirin and P2Y12 Inhibitors*. Korean J Anesthesiol*. 2017 Aug;70(4):379-389.
44. Henderson RS Jr, Deshpande S, Williams B, **Taylor BS**, Tanaka KA. Idarucizumab for Dabigatran Reversal in Emergency Type-A Aortic Dissection. *J Cardiothorac Vasc Anesth*. 2017 Dec;31(6): e80-81.
45. Ghoreishi M, Foster N, Pasrija C, Shah A, Watkins A, Wehman B, **Taylor B**, Dawood M, Griffith B, Gammie J. Early operation in patients with mitral valve endocarditis and acute stroke is safe. *Ann Thorac Surg.* 2018 Jan: 105(1) 69-75.
46. Pasrija C, Ghoreishi M, Shah A, Rouse M, Kon Z, **Taylor BS**. Bilateral Internal Mammary Artery Use Can Be Safely Taught Without Increasing Morbidity or Mortality*. Ann Thorac Surg*. 2018 Jan: 105(1) 76-82.
47. Crawford T, Magruder JT, Fraser CD, Suarez-Pierre A, Alejo D, Fonner CE, Canner J, Horvath K, Wehberg K, **Taylor BS,** Kwon C, Whitman GJ, Conte J, Salenger R. Less is More: Results of a statewide analysis of the impact of blood transfusion on CABG outcomes. *Ann Thorac Surg*. 2018 Jan: 105(1) 129-136.
48. Pasrija C, Shah A, George P, Mohammed I, Brigante FA, Ghoreishi M, Jeudy J, **Taylor BS**, Gammie JS, Griffith BP, Kon ZN. Peripheral Distribution of Thrombus Does Not Affect Outcomes After Surgical Pulmonary Embolectomy. *Ann Thorac Surg*. 2018 Apr 4.
49. Naselsky W, Evans CF, Wehman B, **Taylor BS**. Emergent Endovascular Repair of a Ruptured Descending Thoracic Aortic Aneurysm in an Arresting Patient. *Innovations (*Phila). 2018 Apr 4.
50. Harris DG, Olson SB, Rosen CB, Kalsi R, **Taylor BS**, Diaz JJ, Flohr TR, Crawford RS. Early Treatment at a Referral Center Improves Outcomes for Patients with Acute Vascular Disease. *Ann Vasc Surg*. 2018; Jul;(50):52-59.
51. Mazzeffi M, Abuelkasem E, Drucker C, Kalsi R, Toursavadkohi S, Tanaka K, **Taylor B**, Crawford R. Contemporary Single Center Experience with Cerebrospinal Fluid Drainage for Thoracic Endovascular Aortic Replacement. *Journal of Cardiovascular and Thoracic Anesthesia*. 2018 Apr;32(2):883-889.
52. **Taylor B**, Robinson L, Merr D, Kon Z, Mazzeffi M. ECPR for Refractory Cardiac Arrest Deserves Special Consideration. *Annals of Thoracic Surgery*. 2018 Apr.;105(4):1282-1283
53. Wehman, B, Mazzeffi, M, Chow R, Watkins AC, Aicher B, Pham S, Burrows W, **Taylor B**. Thoracoscopic sympathectomy for refractory electrical storm after coronary artery bypass grafting. *Annals of Thoracic Surgery*. 2018 Mar;105(3): e99-e101.
54. Crawford TC, Zhou X, Fraser CD, Magruder JT, Suarez A, Alejo D, Bobbitt J, Fonner CE, Wehberg K, **Taylor B**, Kwon C, Fiocco M, Conte JV, Salenger R, Whitman GJ. Bilateral Internal Mammary Artery Utilization, in Diabetics: Friend or Foe. *Ann Thor Surg.* 2018 May 11. pii: S0003-4975(18)30659-3. Epub ahead of print
55. Crawford TC, Magruder JT, Fraser CD, Suarez-Pierre A, Alejo D, Fonner CE, Canner J, Horvath K, Wehberg K, **Taylor B**, Kwon C, Whitman GJ, Conte JV, Salenger R. Less is More: Results of a statewide analysis of the impact of blood transfusion on CABG outcomes. *Ann Thorac Surg* 2018;105(1):129-136.
56. Harris D, Olson S, Kalsi R, Rosen C, **Taylor B**, Flohr T, Crawford R. Regionalization of Vascular Acute Care Surgery Improves Patient Outcomes. *Journal of Vascular Surgery*, 2018; Jul;(50):52-59.
57. Watkins AC, Ghoreishi M, Maassel N, Wehman B, Constantini F, Griffith BP, Gammie JS, **Taylor B.** Programmatic and surgeon Specialization Improves Mortality in Isolated Coronary Bypass Grafting. *Ann Thor Surg*. 2018 Oct;106(4):1150-1158.
58. [Pasrija C](https://www.ncbi.nlm.nih.gov/pubmed/?term=Pasrija%20C%5BAuthor%5D&cauthor=true&cauthor_uid=30130263), [Kon ZN](https://www.ncbi.nlm.nih.gov/pubmed/?term=Kon%20ZN%5BAuthor%5D&cauthor=true&cauthor_uid=30130263), [Ghoreishi M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Ghoreishi%20M%5BAuthor%5D&cauthor=true&cauthor_uid=30130263), [Lehr EJ](https://www.ncbi.nlm.nih.gov/pubmed/?term=Lehr%20EJ%5BAuthor%5D&cauthor=true&cauthor_uid=30130263)1, [Gammie JS](https://www.ncbi.nlm.nih.gov/pubmed/?term=Gammie%20JS%5BAuthor%5D&cauthor=true&cauthor_uid=30130263), [Griffith BP](https://www.ncbi.nlm.nih.gov/pubmed/?term=Griffith%20BP%5BAuthor%5D&cauthor=true&cauthor_uid=30130263), [Bonatti J](https://www.ncbi.nlm.nih.gov/pubmed/?term=Bonatti%20J%5BAuthor%5D&cauthor=true&cauthor_uid=30130263)2, [**Taylor BS**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Taylor%20BS%5BAuthor%5D&cauthor=true&cauthor_uid=30130263) Cost and Outcome of Minimally-Invasive Techniques for Coronary Surgery Utilizing Robotic Technology" *Innovations* 2018 Jul/Aug;13(4):282-286.
59. Pasrija C, Shah A, George P, Mohammed I, Brigante FA, Ghoreishi M, Jeudy J, Taylor BS, Gammie JS, Griffith BP, Kon ZN. [Peripheral Distribution of Thrombus Does Not Affect Outcomes After Surgical Pulmonary Embolectomy.](https://www.ncbi.nlm.nih.gov/pubmed/29626452) *Ann Thorac Surg*. 2018 Sep;106(3):778-783.
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**Book Chapters**

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4. **Taylor BS**, Harbrecht BG. The physiologic response to injury. In: Peitzman AB, Rhodes M, Schwab CW, Yealy DM (eds). The Trauma Manual. Lippincott Williams & Wilkins, Philadelphia 2003
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**Invited Review Articles**

1. **Taylor B**, Alarcon L, Billiar T. Inducible Nitric Oxide Synthase in the Liver: Regulation and Function. *Biochemistry*. Vol 63. Pages 766-781.
2. **Taylor B**S, Geller DA. Molecular regulation of the human inducible nitric oxide synthase (iNOS) gene. *Shock* 2000; 13:413-424
3. **Taylor BS,** Vanermen HK. Endoscopic mitral valve repair. *Operative Techniques in Thoracic and Cardiovascular Surgery.* February 2008
4. Taylor, M, **Taylor, B.** Cardiac Ultrasound and ECMO: The Two Go Together. *JASE* Bluepages April 2015.
5. Rabin J, Harris DG, Drucker C, Bhardwaj A, June A**, Taylor B**, Griffith B, Crawford R. Evolution of Management Strategies for Blunt Aortic Injury. *J Vasc Surg* 2016; 64:500-5
6. Khalifeh A, Menon N, Kalsi, R, Hao S, Drucker C, Harris D, Toursavadkohi S, **Taylor B**, Laser A, Crawford R. Chronic Type B Aortic Dissection: Endovascular and Hybrid Management. *Current Surgery Reports* January 2017. 5:1.
7. Knowles, M, Farber, M, Crawford, R, **Taylor, B.** Timing of Endovascular Treatment of Type B Dissection. *Endovascular Today* Vol. 16, No 3 March 2017. Pages 25-31.
8. McCartney SL, **Taylor BS**, Nicoara A. [Functional Tricuspid Regurgitation in Mitral Valve Disease.](https://www.ncbi.nlm.nih.gov/pubmed/30382771) Semin Cardiothorac Vasc Anesth. 2018 Nov 1:1089253218807922.

**Abstracts and/or Proceedings**

1. Lumsden A, Colburn G, **Taylor B**, Skandalakis L, Dodson T, Skandalakis J. Anatomy of the terminal popliteal artery and the arteries of the lower leg. Poster presentation at 88th Annual Clinical Congress of the American College of Surgeons, Chicago IL, October 1991.
2. **Taylor B**, Sreeream S, Lumsden A. Collateral pathways in occlusion of the infrarenal aorta. Poster presentation at 89th Annual Clinical Congress of the American College of Surgeons, New Orleans LA, October 1992.
3. Jackson T, Seiler J, **Taylor B**, Maibeck H. Surgical treatment of cubital tunnel syndrome: a meta-analysis. Presented at Orthopedic Research Day, Emory University School of Medicine, Atlanta GA, March 1993.
4. Salam T, **Taylor B**, Lumsden A, Suggs W, Hanson S. Effects of angioplasty on platelet deposition and neointima formation in stented canine femoral arteries. Southeastern Surgical Congress, Tarpon Springs FL, February 1993.
5. de Vera ME**, Taylor BS**, Wang Q, Billiar TR, Geller DA. Dexamethasone inhibits inducible nitric oxide synthase (iNOS) gene expression by blocking NF-κB. 13th Annual Meeting of the Association for Academic Surgery, Chicago IL, November 1996.
6. **Taylor BS**, Wang Q, Shapiro RA, Billiar TR, Geller DA. Nitric oxide down-regulates hepatocyte inducible nitric oxide synthase (iNOS) gene expression by blocking NF-κB. Presented at the 17th Annual Meeting of the Surgical Infection Society. Pittsburgh PA, May 1997.
7. Geller DA, deVera ME, **Taylor BS**, Fung JJ, Simmons RL. Molecular regulation of the human inducible nitric oxide synthase (iNOS) gene by cytokines: a role for NF-κB. Presented at the American Society of Transplant Surgeons. New Orleans LA, April 1997.
8. **Taylor BS**, de Vera ME, Wang Q, Geller DA. NF-κB and transcriptional regulation of the human inducible nitric oxide synthase gene (iNOS). Presented at the Gene Transcription and Therapeutic Intervention Meeting. Washington DC, June 1997.
9. Geller DA, Mellot J. **Taylor BS,** Nick HS, Billiar TR, Chesrown SS. Transcriptional regulation of the human inducible nitric oxide synthase gene (iNOS). Presented at the 5th International Meeting on Biology of Nitric Oxide. Kyoto Japan, September 1997.
10. **Taylor BS**, Federle M, Watson C, Carty S. Neuroendocrine tumors of the pancreas: preoperative localization with fat suppressed T1 weighted gadolinium enhanced magnetic resonance imaging. Presented at the 66th Annual Meeting of the Southeastern Surgical Congress. Atlanta, GA, February 1998.
11. **Taylor BS,** Alarcon MH, Ganster R, Billiar TR, Geller DA. The role of protein phosphatases in the regulation of the inducible nitric oxide synthase (iNOS) gene expression. Presented at the 18th Annual Meeting of the Surgical Infection Society. New York NY, May 1998.
12. **Taylor BS**, de Vera M, Simmons RL, Fung JJ, Geller DA. A novel NF-κB enhancer region regulates cytokine induction of the human inducible nitric oxide synthase (iNOS) gene promoter. Presented at the American Society of Transplant Surgeons 17th Annual Scientific Meeting. Chicago, IL, May 1998.
13. Chia SH, **Taylor BS**, Billiar TR, Fung JJ, Murase N, Geller DA. Adenoviral-mediated delivery of the human iNOS gene to liver isografts: an improved model of ex vivo gene transfer. Presented at the American Society of Transplant Surgeons 17th Annual Scientific Meeting. Chicago, IL, May 1998.
14. **Taylor BS**, Ganster RW, de Vera ME, Shapiro RA, Billiar TR, Morris SM Jr. Geller DA. A novel NF-κB enhancer region regulates cytokine induction of the human inducible nitric oxide synthase (iNOS) gene promoter. NO Biol Chem 1998; 2:77.
15. **Taylor BS**, Alarcon LH, Billiar TR. Inducible nitric oxide synthase in the liver: regulation and function. Biochemistry 1998; 63:766-782
16. **Taylor BS**, de Vera M, Simmons RL, Fung JJ, Geller DA. A novel NF-κB enhancer region regulates cytokine induction of the human inducible nitric oxide synthase (iNOS) gene promoter. Transplant Proc 1999.
17. Ganster RW, **Taylor BS**, Shao L, Fung JJ, Geller DA. Cytokine-stimulated human inducible nitric oxide synthase (iNOS) gene expression is mediated by activity of transcription factor NF-κB and STATlα. The 25th annual meeting of The American Society of Transplant Surgeons. Chicago, IL, May 1999.
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19. Casselman F, **Taylor BS** Wellens F, DeGeest R, Degrieck I, Van Praet F, Vanermen H. Endoscopic Conduit Harvesting: The Evidence Presented at the 30th Annual European Association of Cardiothoracic Surgery, September 2006.
20. Harris, DG, Rabin J, Crews GA, Ho M, **Taylor B**, Sarkar R, O’Connor JV, Scalea TS, Crawford RS. A New Aortic Injury Score Predicts Early Rupture More Accurately than Clinical Assessment. Presented at the Peripheral Vascular Surgery Society, Boston MA, June 2014.
21. June A, Laser A, Harris D, Sarkar, R**, Taylor, B**, Gammie J, Crawford R. Acute limb Ischemia after Cardiothoracic Surgery is associated with high rates of Amputation and Mortality. Journal of Vascular Surgery June 2015, pages 136-137.
22. Crawford A, Hayon S, Huffner M, Farivar B, Harris D, **Taylor B**, Sarkar R, Lee T, Crawford R. Treatment of Focal Aortic Disease by Thoracic Endovascular Repair is Associated with High Success and Low morbidity and Mortality. Journal of Vascular Surgery 62 (3). September 2015 pages 797-798
23. Kon Z, Pasrija C, Ghoreishi M, Lehr E, Gammie J, Griffith B, Bonatti J, **Taylor B**. Comparison of Hospital Cost and Outcomes between Minimally Invasive Techniques for Coronary Artery Bypass Grafting Utilizing Robotic Technology. Presented at the International Society of Minimally Invasive Cardiac Surgery. Montreal Canada June 17, 2016.
24. Pasrija C, Ghoreishi M, Shah A, Rouse M, Kon Z, **Taylor B**. Bilateral Internal Mammary Artery Use Can Be Safely Taught Without Increasing Morbidity or Mortality. Presented at The Southern Thoracic Surgical Association. Naples FL November 10, 2016.
25. Watkins AC, **Taylor B**. Programmatic and Surgeon Specialization in Coronary Surgery Improves Morbidity and Mortality Following Isolated Coronary Bypass Grafting. The 100th Annual American Association of Thoracic Surgery. Boston, MA, May 1, 2017.
26. Ghoreishi M, Watkins, Gammie J, **Taylor B**. The Pursuit of CABG Excellence: Improvement in STS isolated CABG Star Ranking Following Implementation of Program and Surgeon Specialization. The 2017 International Coronary Congress. New York, New York. August 20, 2017.
27. Ghoreishi M, Salenger R, Gammie J, **Taylor B.** Robotic Assisted Minimally Invasive Direct Coronary Artery Bypass Grafting: Program Development and Lessons Learned. The 2017 International Coronary Congress. New York, New York. August 20, 2017.
28. Boulos F, Raithel M, Pasrija C, Brigante F, Bittle G, Mackowick K, Menaker J, Mazzeffi M, **Taylor B**, Kon Z. Time to Trach: Early Tracheostomy May Decrease Duration of Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome Patients. Accepted for Oral Presentation at the American College of Surgeons Clinical Congress Scientific Forum. San Diego CA, October 24, 2017.
29. Ghoreishi M, Wise E, Luqman CA, Kalsi R, Menon N, Crawford R, **Taylor B**. A novel score predicts in-hospital mortality after operative repair of Stanford Type A acute aortic dissection. Presented at The Southern Thoracic Surgical Association. San Antonio, TX, November 8, 2017.
30. Pasrija C, Ghoreishi M, Whitman G, Ad N, Alejo D, Holmes S, Schena S, **Taylor B.** Mitigating the Risk: Transfusion or Reoperation for Bleeding After Cardiac Surgery. Presentation at the Society of Thoracic Surgeons. San Diego, CA January 28, 2019.
31. Zhou X, Fonner C, Alejo D, Whitman G, **Taylor B**, Salenger R. Blood Utilization: A Tale of Two Metrics-Improvement and Variability. Presentation at the Society of Thoracic Surgeons. San Diego, CA January 28, 2019.
32. Ghoreishi M, Jeudy J, Shah A, Pasrija C, Toursavadkohi S, **Taylor B**, Ascending Aortic Endovascular Repair is Safe and Associated with Positive Remodeling in Prohibitive Risk Patients with Ascending Aortic Disease. Presentation at the Society of Thoracic Surgeons. San Diego, CA January 28, 2019.
33. Racial Disparity, Preoperative Morbidity, as Surgical Outcome: Report from the MCSQI Cardiac Surgery Working Group. Presented at the 99th Annual Meeting of the American Association of Thoracic Surgeons. Toronto, CA, May 4, 2019.

**Major Invited Speeches**

**Local**

1. Contemporary Management of Thoracic Aortic Aneurysms. Advances in Vascular Surgery and Endovascular Surgery. Baltimore, MD, May 9, 2013
2. Mental Well-Being in Surgery. Humanism in Medicine Symposium. University of Maryland School of Medicine. Baltimore MD, February 26, 2014.
3. The Role of Life-long Surveillance: Retrograde Type A Dissections, Endoleaks and Reinterventions. TEVAR for Thoracic Aortic Dissection Course. Baltimore MD, March 15, 2014.
4. Building a Type-B Dissection Program. TEVAR for Thoracic Aortic Dissection Course. Baltimore MD, March 15, 2014
5. Essential Adjuncts for the Treatment of Patients with Dissections. Advances in Vascular Surgery and Endovascular Surgery, Baltimore, MD, May 8, 2014.
6. The Clinical Application of ECMO. 19th Annual Coastal Cardiovascular Conference. Cambridge, MD, February 14, 2015.
7. Complex Thoracic Aortic Stenting. Advances in Vascular Surgery and Endovascular Surgery. Baltimore, MD, August 20, 2015.
8. Stent Grafts in Type A Dissection: What is Being Done and What is Coming Down the Pike. Advances in Vascular Surgery and Endovascular Surgery. Baltimore, MD, August 20, 2015.
9. Arterial Grafts in Coronary Artery Bypass Surgery. Cardiology Grand Rounds. The University of Maryland School of Medicine, Baltimore, MD, October 14, 2015
10. Endovascular Aortic Repair: Where we are and where we are going! The Annual Maryland State Assembly of the Association of Surgical Technologists, Baltimore, MD, March 19, 2016.
11. Building a Culture of Mutual Respect. Anesthesia Grand Rounds. Department of Anesthesia, University of Maryland Medical Center, Baltimore, MD, September 26, 2016.
12. Etiology of Valve Disease. Society of Thoracic Surgeons Quality Meeting. Baltimore MD, September 28, 2016.
13. Lessons Learned: Outcomes after Robotic MIDCAD in the first 106 patients. University of Maryland Charles Getz Memorial Research Retreat, Baltimore MD, January 15, 2017.
14. ECMO Advances and Updates: eCPR, 21st Annual Coastal Cardiac and Vascular Conference. Cambridge, MD, February 18, 2017.
15. Civility in the ICU: Its’ Impact on Outcomes. CSICU University of Maryland Medical Center. Baltimore, MD February 24, 2017.
16. Disrespect in the OR: Time to Change the Culture. Association of Perioperative Registered Nurses of Baltimore Annual Meeting. Baltimore, MD, March 18, 2017.
17. Aortic Arch Interventions: Open and Endovascular Options. Advances in Vascular Surgery and Endovascular Surgery, Baltimore, MD, May 8, 2017.
18. Open Surgical Repair: Key Echo Data the Surgeon Needs to Know! The 28th Annual American Society of Echocardiography. Baltimore MD, June 5, 2017
19. Incivility and its impact in the OR. Keynote speaker: The Johns Hopkins Bayview Medical Center 3rd Annual Unintentional Retained Foreign Objects Symposium. Baltimore, MD September 29, 2017.
20. A Novel Riske Score Predicts Operative Mortality in Acute Type A Aortic Dissection: The Maryland Score. University of Maryland Charles Getz Memorial Research Retreat, Baltimore MD, January 12, 2018.
21. Open Brachiocephalic Bypass: Techniques and Bailouts. Advances in Vascular and Endovascular Therapy. University of Maryland School of Medicine. Baltimore MD, May 3, 2018.
22. Endovascular Aortic Arch Interventions. Advances in Vascular and Endovascular Therapy. University of Maryland School of Medicine. Baltimore MD, May 3, 2018.
23. Endovascular Repair of the Ascending Aorta is Safe in prohibitive Risk Patients with Acute Aortic Emergencies and is Associated with Positive Remodeling. University of Maryland Charles Getz Memorial Research Retreat, Baltimore MD, January 11, 2019.
24. Designing Less Physiologically Impactful Operations for Frail Patients. Presented at the Maryland Cardiac Physical Therapy Annual Meeting. Olney, MD April 18, 2019

**National/International**

1. Platelet Deposition on Medinvent Stents in an Injured Femoral Artery Model. Presented at the 36th Annual Medical Student Research Day, Emory University School of Medicine, November 1990
2. The Effects of D-Phenylalanyl-L-Prolyl-L-Arginyl Chloromethyl Ketone on Platelet Deposition and Neointimal Hyperplasia in a Canine Injured Femoral Artery Model. Presented at the 37th Annual Medical Student Research Day, Emory University School of Medicine, January 1992
3. Nitric Oxide Down-Regulates Hepatocyte Inducible Intric Oxide Synthase (iNOS) Gene Expression by Blocking NF-κB. Presented at the 17th Annual Meeting of the Surgical Infection Society. Pittsburgh, PA, May 1997.
4. Molecular Regulation of the Human Inducible Nitric Oxide Synthase Gene: An Update. Presented at the 32nd Annual Meeting of the Association for Academic Surgery. Dallas, TX, November 1997
5. Molecular Regulation of the Human Inducible Nitric Oxide Synthase (iNOS) Gene is Dependent Upon an Upstream NF-κB. Presented at the Southwestern Pennsylvania Chapter of the American College of Surgeons Residents Research Day. Verona PA, November 1997
6. Cytokine Induction of the Human Inducible Nitric Oxide Synthase (iNOS) Gene Requires Upstream NF-κB Elements. Presented at Experimental Biology 98. San Francisco, CA, April 1998.
7. The Role of Protein Phosphatases in the Regulation of Inducible Nitric Oxide Synthase (iNOS) Gene Expression. Presented at the 18th Annual Meeting of the Surgical Infection Society. New York NY, May 1998.
8. Multiple NF-κB Enhancer Elements Regulate Cytokine Induction of the Human Inducible Nitric Oxide Synthase (iNOS) Gene. Presented at the 3rd International Conference on the Biochemistry and Molecular Biology of Nitric Oxide. Los Angeles CA, July 1998
9. Cytokine-Stimulated Human Inducible Nitric Oxide Synthase (iNOS) Gene Expression is Medicated by Activity of Transcription Factors NF-κB and STATlα. Presented at the Surgical Forum of the American College of Surgeons. Orlando, FL, October 1998
10. Upstream NF-κB Enhancer Elements Regulate Cytokine Induction of the Human iNOS gene. Presented at the 50th Annual Meeting of the Section of Surgery of the American Academy of Pediatrics. San Francisco, CA, October 1998
11. Growth Factors: A New Era in Wound Healing. Center for Wound Healing Excellence. Pittsburgh, PA, November 1998
12. Inhibition of Cytokine-Induced iNOS Expression by Gene Transfer of Adenoviral IκBα. The Society of University Surgeons. New Orleans, LA, February 1999
13. Thrombin Injection versus Compression of Femoral Artery Pseudoaneurysms. Eastern Vascular Society. Pittsburgh, PA, April 1999.
14. Thrombin Injection: A New Treatment Modality for Femoral Artery Pseudoaneurysms. Presented at the Allegheny Vascular Society Meeting, Pittsburgh PA, February 2000
15. Molecular Regulation of the Human iNOS Gene. Presented at the Annual Fellows’ Conference on Emerging Issues in Solid Organ Transplantation. Park City, UT, June 2001
16. What’s New in Cardiac Surgery? Presented at The Southwest Allegheny County Medical Society, September 10, 2002
17. CT Surgery-The Nuts and Bolts Presented to the 2nd year students enrolled in the Nurse Anesthesia Program at the University of Pittsburgh, School of Nursing, Pittsburgh PA, November 17, 2003
18. Heart Disease…Why Me? Presented at Commitment to a Healthy Lifestyle: Women’s Heart Month. Cranberry Township, PA, May 19, 2004
19. Modern Trends in Coronary Bypass Surgery. Presented at Updates in Internal Medicine. Pittsburgh, PA, September 4, 2004
20. Cardiothoracic Surgery: What Every Nurse Anesthetist Should Know. Presented to the 2nd year students enrolled in the Nurse Anesthesia Program at the University of Pittsburgh, School of Nursing, Pittsburgh PA, November 22, 2004
21. Current Trends in Cardiothoracic Surgery. Presented at Managing Cardiopulmonary Problems. Pittsburgh, PA, February 16, 2005
22. Complex Coronary Disease in the Era of Drug Eluting Stents: The Surgeon’s Perspective. Presented at Advances in Cardiovascular Medicine. Pittsburgh, PA, September 30, 2005.
23. Cardiothoracic Surgery: What Every Nurse Anesthetist Should Know. Presented to the 2nd year students enrolled in the Nurse Anesthesia Program at the University of Pittsburgh, School of Nursing, Pittsburgh PA, November 14, 2005
24. Surgical Management of Ischemic Mitral Insufficiency. Presented at Passavant Hospital Grand Rounds. Pittsburgh, PA, May 16, 2006
25. Cardiac Surgery/Understanding Valves. Presented at HLESI Weekly Conference. Pittsburgh, PA, May 31, 2006
26. Mitral Valve Repair. Indications/Techniques and Outcomes presented at Cardiology Grand Rounds. The Hartford Hospital, Hartford, CT, February 2, 2006
27. Minimally Invasive Mitral Valve Surgery. Annual Cardiovascular Symposium, The Hartford Hospital, Hartford, CT, October 11, 2006
28. What’s New in Cardiac Surgery: What’s Hot/What’s Not. Presented at the 22nd Robotics in Cardiac Surgery. 1st Annual Innovations Conference, York PA, April 1, 2009
29. Thoracic Endografting: The York Hospital Experience. 2nd Annual Innovations Conference. York, PA, March 28, 2010
30. Thoracic Endovascular Aortic Repair: A Community Hospital Experience. Presentation on demand at the Aortic Symposium 2010, New York City, NY, April 29-30, 2010
31. Technical Lessons and Case Presentations: Chimney and Snorkel Grafts. Complex Cardiovascular Catheter Therapeutics (C3). Orlando, Florida, June 29, 2011
32. Challenging Aortic Aneurysm Cases. Complex Cardiovascular Catheter Therapeutics (C3). Orlando Florida, June 29, 2011
33. Spinal Cord Ischemia During TEVAR: Avoidance and Management. Complex Cardiovascular Catheter Therapeutics (C3). Orlando Florida, June 29, 2011
34. Advanced TEVAR Training. York, PA, March 8, 2012
35. Complicated TEVAR cases: Advanced Clinical Training Medtronic Clinical Specialist Meeting. Cleveland, Ohio, March 5, 2012
36. Iliac Chimney Grafting: Our Clinical Experience. Advanced Clinical Training Medtronic Clinical Specialist Meeting, Cleveland, Ohio, March 5, 2012
37. Complex Endovascular Aortic Repair. 4th Annual Innovations Conference. York, PA, April 13, 2012
38. Small AAA: Can Medical Therapy Make a Difference in Reducing Size? And What Are The Indications to Repair a Small AAA? 8th Annual Complex Cardiovascular Catheter Therapeutics (C3). Orlando Florida, June 21, 2012.
39. Thoracic Aorta Aneurysms: Natural History, Work-up, Diagnosis and Treatment. 8th Annual Complex Cardiovascular Catheter Therapeutics (C3). Orlando Florida, June 21, 2012.
40. Understanding the Best Practices for Different Grafts: Does Anything Indicate One Graft Over Another? 8th Annual Complex Cardiovascular Catheter Therapeutics (C3). Orlando Florida, June 21, 2012.
41. Thoracic Endografting: STS University. The Society of Thoracic Surgery Annual Meeting. Los Angeles CA, January 27, 2013.
42. Basics of Thoracic Aortic Aneurysm Repair: Indication for Repair, Imaging Modalities, and Other Diagnostic Considerations. 9th Annual Complex Catheter Therapeutics (C3), Orlando, Florida, June 19th, 2013.
43. TEVAR Case Planning: Imaging and Sizing. TEVAR Master Class. San Francisco, CA, October 2, 2013.
44. Endovascular Aortic Repair: Building a Community-Based Practice in York, PA. TEVAR Master Class. San Francisco, CA, October 3, 2013.
45. Building a Thoracic Aortic Dissection Program. Expert Exchange, Orlando FL, January 24, 2014
46. Selective Cerebral Perfusion Via Carotid Artery Cannulation in The Setting of a Giant Aortic Pseudoaneurysm. American Association of Thoracic Surgery Aortic Symposium 2014. New York, New York, April 24-25, 2014.
47. TEVAR: A Patient Friendly and Less Complicated Approach. 10th Annual Complex Catheter Therapeutics (C3), Orlando, Florida, June 25th, 2014.
48. New Treatment Paradigm in the Management of Type B Dissections. Jackson, Mississippi. February 19th, 2015
49. Cardiac Surgery Update. Innovation and Its Impact on Patient Outcomes. Grand Rounds at the University of West Virginia Berkley Medical Center. Martinsburg WV. February 24, 2015.
50. Problem Based Learning. Functional MR. 37th Annual Meeting of the Society of Cardiovascular Anesthesiologists. Washington, D.C. April 12, 2015
51. Thoracic Endovascular Repair. 37th Annual Meeting of the Society of Cardiovascular Anesthesiologists. Washington, D.C. April 12, 2015
52. What the Surgeon Wants to Know about Intraoperative Mitral Regurgitation. 37th Annual Meeting of the Society of Cardiovascular Anesthesiologists. Washington, D.C. April 12, 2015.
53. TAVR: New Paradigm Strategies in the Management of Severe Aortic Stenosis. University of West Virginia Berkley Medical Center. Martinsburg WV. April 22nd, 2015.
54. TEVAR for Type B Dissection and Building a Thoracic Dissection Program. Evening Program corresponding to the American Association of Thoracic Surgery. Hotel Monaco, Seattle, Washington. April 27, 2015.
55. Treatment Options for Aortic Valve Surgery. Presented at the 26th Annual Scientific Sessions of the American Society of Echocardiography. Boston, MA. June 13, 2015.
56. Valve Repair Options-What Technique and When. Presented at the 26th Annual Scientific Sessions of the American Society of Echocardiography. Boston, MA. June 13, 2015.
57. Challenges in Rheumatic Mitral Repair: How TEE Helps. Presented at the 26th Annual Scientific Sessions of the American Society of Echocardiography. Boston, MA. June 13, 2015.
58. Surgical Approaches in Heart Failure-Device Options. Presented at the 26th Annual Scientific Sessions of the American Society of Echocardiography. Boston, MA. June 13, 2015.
59. Thoracic Aneurysm: Indications and Pre-procedural Evaluation. 11th Annual Complex Cardiovascular Catheter Therapeutics. Orlando, FL. June 18, 2015.
60. What is the Role of Antifibrinolytics during Coronary Artery Bypass Grafting in 2015? The 1st Annual American Association of Thoracic Surgery International Coronary Congress. New York, New York, August 23, 2015
61. Multi-arterial Grafting in CABG. 53rd Annual Eastern Cardiothoracic Surgical Society Meeting. Palm Beach, FL, October 17, 2015.
62. Emergence of Stem Cell Trials in Congenital Heart Disease Patients. 53rd Annual Eastern Cardiothoracic Surgical Society Meeting. Palm Beach, FL, October 17, 2015.
63. Intracoronary Delivery of Cardiac Stem Cells to the Right Ventricle: Preclinical Assessment in a Swine Model. 53rd Annual Eastern Cardiothoracic Surgical Society Meeting. Palm Beach, FL, October 17, 2015.
64. Advanced Wire Skills for TEVAR and TAVR. UPENN Fellows program. Philadelphia, PA, December 2, 2015.
65. Type A Aortic Dissection: Diagnosis, Management, and Treatment. 38th Annual meeting of the Society of Vascular Nurses. Orlando, FL, April 21, 2016.
66. Hypertrophic Cardiomyopathy: Surgical Considerations-should the mitral valve be replaced. 27th Annual Meeting of the American Society of Echocardiography. Seattle WA June 12th, 2016.
67. The Role of TEVAR in Aortic Dissection. UPENN Fellows program. Philadelphia, PA, December 11, 2016.
68. TEVAR for Acute Complicated Type B Aortic Dissection. The 12th Annual Sanctuary of Endovascular Therapies. Kiawah Island, SC February 23rd, 2017.
69. Aortic Transection: Contemporary Management. Pittsburgh Aortic Symposium 2017. Nemacolin Conference Center, Farmington PA. March 31, 2017.
70. Which Ring is Appropriate: How Does One Decide? The 20th Annual Society of Cardiovascular Anesthesiologists Echo Week 2017. Atlanta, GA May 25, 2017
71. Unexpected Moderate Aortic Stenosis: When and When Not to Operate. The 20th Annual Society of Cardiovascular Anesthesiologists Echo Week 2017. Atlanta, GA May 25, 2017
72. Strategies in Caring for the Acute Type B Dissection with Malperfusion Syndrome. 13th Annual Complex Cardiovascular Catheter Therapeutics. Orlando, FL. June 29, 2017.
73. Management of Type B Aortic Dissections: How I do it. Gore Aortic Symposium. San Francisco CA. October 4, 2017.
74. Cardiac Surgery: Preparing for the Next Decade. The Ohio State University, Ross Heart Hospital. Columbus, Ohio November 21, 2017.
75. Mitral Valve Surgery: What Does the Surgeon Need to Know. The 21st Annual Society of Cardiovascular Anesthesiologists Echo Week 2017. Atlanta, GA. March 1, 2018.
76. Ischemic Mitral Regurgitation: Surgical Dilemmas and Outcomes. The 21st Annual Society of Cardiovascular Anesthesiologists Echo Week 2018. Atlanta, GA. March 1, 2018.
77. Aortic Valve Repair: A Surgeons Perspective. The 21st Annual Society of Cardiovascular Anesthesiologists Echo Week 2018. Atlanta, GA. March 1, 2018.
78. Evolving Surgical Approaches to Treatment of Acute Aortic Syndromes Involving the Ascending Aorta, Aortic Arch and/or Descending Aorta. The 40th Annual Society of Cardiovascular Anesthesiology, Phoenix AZ. April 28, 2018.
79. Functional Tricuspid Regurgitation: Repair, replace, or ignore. The 29th Annual Meeting of the American Society of Echocardiography. Nashville, TN, June 23rd, 2018.
80. Simulated Heart Valve Team Meeting: Aortic Valve Interventions. The 29th Annual Meeting of the American Society of Echocardiography. Nashville, TN, June 23rd, 2018.
81. Investigator Experience with the PUF Research Program. The 42nd Annual Meeting of the Society of Thoracic Surgery. San Diego, CA January 27, 2019.
82. Ischemic Mitral Regurgitation-Guidelines and Clinical Dilemmas: Surgical Perspective. The 22nd Annual Society of Cardiovascular Anesthesiologists Echo Week 2019. Atlanta, GA, February 21st, 2019.
83. Aortic Valve Repair-Surgical Perspective. The 22nd Annual Society of Cardiovascular Anesthesiologists Echo Week 2019. Atlanta, GA, February 21st, 2019.
84. Building and Sustaining an Aortic Center of Excellence. It’s all about the Team. Terumo Aortic Executive Team Meeting. Sunrise, FL. February 22nd, 2019.
85. How to Perform a Robotic Internal Mammary Artery Takedown. STS Robotic Cardiac Surgery: Hands on Training in Robotic Mitral Valve Repair and Coronary Bypass and More. Atlanta, GA, March 30, 2019.
86. Endovascular Stent Grafts Used in Aortic Dissection: Are They All Created Equal? The 2nd Annual Multidisciplinary Aortic Dissection Symposium. Portland, OR. June 22nd, 2019.
87. Endovascular Aortic Repair: Treatment Pathways and Paradigms. The WL Gore Resident Training Course. Phoenix AZ. December 6 and 7, 2019
88. Surgical Management of Functional Mitral Valve Insufficiency. The 23rd Annual Society of Cardiovascular Anesthesiologists Echo Week 2019. Atlanta, GA, February 21st, 2020.
89. Aortic Valve Repair: A Surgeons Perspective. The 23rd Annual Society of Cardiovascular Anesthesiologists Echo Week 2019. Atlanta, GA, February 21st, 2020.
90. Operating on the Inoperable: A Study of High Performing Teams. Surgical Grand Rounds. Vanderbilt University Medical Center. Nashville, TN. February 28, 2020.

I**nternational**

1. Dos and Don’ts of Totally Endoscopic Mitral Valve Repair using Port Access and

 Endoclamp System. The Onze-Lieve-Vrouw College, Aalst, Belgium, June 14, 2007

1. Did We Forget About the Tricuspid Valve in Mitral Valve Repair? The 19th Annual Meeting of the

Mediterranean Association of Cardiology and Cardiac Surgery. Opatija, Croatia, September 29, 2007.

1. Endoscopic Mitral Valve Repair: Approaches and Results. 19th Annual Meeting of the

Mediterranean Association of Cardiology and Cardiac Surgery Opatija, Croatia, September 29, 2007

1. The Tricuspid Valve: What Every Surgeon Should Consider. 19th Annual Meeting of the

Mediterranean Association of Cardiology and Cardiac Surgery Opatija, Croatia, September 29, 2007

1. Rheumatic Valve Disease. Its Impact and Therapeutic Strategies. Kian Giang Hospital. Rach Gia,

Vietnam. October 5, 2014.

1. Treatment of Coronary Disease: The Case for Surgery; How I would approach this patient.

Transcatheter Cardiovascular Therapeutics (TCT) at the American Association for Thoracic Surgery (AATS): Collaborative Cardiac Care. Toronto, Canada, April 30, 2014.

1. Transcatheter approaches to Aortic Disease. Can Tho Hospital. Can Tho Vietnam. September 27, 2015.
2. Hemostasis: The Surgeons Viewpoint. Japanese Perioperative Hemostasis Research Group. 1st Annual Perioperative Hemostasis Seminar. Osaka, Japan August 26, 2017.
3. Racial Disparity, Preoperative Morbidity, and Surgical Outcome: Report from a Statewide Cardiac Surgery Working Group. Presented at the 99th Annual Meeting of the American Association of Thoracic Surgeons. Toronto, CA, May 4, 2019.

**Published Multimedia**

1. Christy NA, Buenaventura PO, **Taylor BS**, Luketich JD. Laparoscopic repair of giant paraoesophageal hernia with Collis gastroplasty. Presented at the American College of Surgeons Clinical Congress, Chicago IL, October 2000