

BRYAN A. WHITSON, MD, PhD, FACS

CURRICULUM VITAE

PROFESSIONAL ADDRESS

Division of Cardiac Surgery, Department of Surgery
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EDUCATION

Indiana Academic Honors Diploma, June 1993
William Henry Harrison High School
West Lafayette, Indiana

Bachelor of Science, May 1997
Purdue University School of Mechanical Engineering
West Lafayette, Indiana

Doctor of Medicine, May 2001
Research Program in Academic Medicine
Indiana University School of Medicine
Indianapolis, Indiana

Doctor of Philosophy, December 2007
University of Minnesota (Surgery)
Minneapolis, Minnesota

HONORS AND AWARDS

Pi Tau Sigma National Engineering Honorary, Purdue University, 1995.
Golden Key National Honor Society, Purdue University, 1995.
Cincinnati Milacron Inc. Scholarship for merit, Purdue University 1995.
Tau Beta Pi National Engineering Honorary, Purdue University, 1995.
Babcock and Wilcox Inc. Scholarship for merit, Purdue University, 1996.
The Order of the Engineer, 1997.

Dean's List, Purdue University.

Fern Groves Hardiman Memorial Scholarship for research; Indiana University School of Medicine, 1999.

Excellence in Research Award from Western Student Medical Research Committee at the American Federation for Medical Research Annual Meeting, January, 1999.

Research Program in Academic Medicine, May, 2001.

NIH Clinical Research LRP Award Recipient, August, 2004 to July, 2006.

Merit Travel Grant Recipient to 3rd Annual Symposium on Gastrointestinal Cancers, St. Louis, MO, October 2, 2004.

Richard L. Varco Surgery Research Fellowship, July, 2005 to June, 2006.

Second Place, Minnesota State Committee on Trauma, Resident Trauma Paper Competition, September, 25, 2005.

Thoracic Surgery Directors Association Resident Research Award for best scientific abstract at *The Society of Thoracic Surgeons* 26th Annual Meeting, January 30, 2006.

Richard L. Varco Surgery Research Fellowship, April, 2006 to June, 2007.

Outstanding Research Award from The University of Minnesota Department of Medicine Research Day, May 15, 2006.

The Cecil J. Watson Award for the most outstanding research by a physician in graduate clinical training in any clinical department of the University of Minnesota Medical School, April 19, 2007.

The Doctor David Gavisier Mount Sinai Hospital Surgical Research Award For Outstanding Achievement in Surgical Research, June 12, 2007.

Excellence in Clinical Research Award, 2007 Annual Resident Research Day, University of Minnesota Department of Surgery, June 12, 2007.

The J. Jacob Kaplan Award for outstanding research in immunology in the diagnosis and treatment of cancer from the University of Minnesota Medical School, April 18, 2008.

The Steer-Pruitt Award for outstanding cardiovascular research by a Ph.D. candidate at the University of Minnesota Medical School, April 18, 2008.

The Cecil J. Watson Award for the most outstanding research by a physician in graduate clinical training in any clinical department of the University of Minnesota Medical School, April 18, 2008.

The Henry Buchwald Award which honors a surgical resident who has demonstrated the character, integrity, capability, and performance to become an academic surgeon of the highest caliber, June 10, 2008.

Administrative Chief Surgery Resident, June, 2008 to June, 2009.

The Peter C. Pairolero Scholarship from the General Thoracic Surgical Club, March 12-15, 2009.

The Ronald Belsey Traveling Esophageal Surgery Fellowship of the Esophageal Surgery Club, September 14-18, 2009.

The 2010 C. Walton Lillehei, MD / Earl Bakken Prize from the Lillehei Surgical Society, January 25, 2010.

Administrative Chief Fellow in Cardiothoracic Surgery, July, 2011 to June, 2012.

2013 TSDA Benson R. Wilcox Award for best scientific abstract by a resident at The Society of Thoracic Surgeons 49th Annual meeting, January 26-30, 2013.

Faculty of 1000 (F1000Prime) Recognition. January 10, 2014.

Faculty of 1000 (F1000Prime) Recognition. September 22, 2014.

Fellow of the American College of Surgeons, October 26, 2014.

Outstanding Achievement in Patient Service 2014, The Ohio State University Wexner Medical Center, December 4, 2014.

Faculty of 1000 (F1000Prime) Recognition. September 14, 2015.

Outstanding Achievement in Patient Service 2015, The Ohio State University Wexner Medical Center, November, 2015.

Thomas E Williams, Jr., MD, PhD Award for Excellence In Teaching. June 23, 2016.

EXPERIENCE

Academic Appointments

Associate Professor of Cardiac Surgery with Tenure (June 2, 2016 to Present)
Division of Cardiac Surgery, Department of Surgery
The Ohio State University Wexner Medical Center, Columbus, OH

Assistant Professor of Cardiac Surgery (July 1, 2012 to June 1, 2016)
Division of Cardiac Surgery, Department of Surgery
The Ohio State University Wexner Medical Center, Columbus, OH

Graduate Faculty in Biomedical Engineering (September 17, 2012 to Present)
Department of Biomedical Engineering
The Ohio State University, Columbus, OH

Graduate Faculty in Biomedical Sciences (September 10, 2012 to Present)
School of Biomedical Sciences
The Ohio State University Wexner Medical Center, Columbus, OH

Lead Surgeon, Lung Transplant Program (January 28, 2013 to Present)
Department of Surgery, Comprehensive Transplant Center
The Ohio State University Wexner Medical School, Columbus, OH

Co-Director Collaboration for Organ Perfusion, Protection, Engineering and Regeneration (COPPER) Laboratory (July 1, 2013-Present)
Department of Surgery, Comprehensive Transplant Center
The Ohio State University Wexner Medical School, Columbus, OH

Medical Director, End-Stage Cardiopulmonary Failure Program (October 1, 2014 to Present)
The Ohio State University Wexner Medical Center, Columbus, OH

Adjunct Assistant Professor, Non-Tenure Track/Series III (May 14, 2015 to May 13, 2017)
Department of Surgery
Meharry Medical College, Nashville, TN

Supervising Physician (July 1, 2012 to Present)
Ross Anticoagulation Management Service
Ross Heart Hospital
The Ohio State University Wexner Medical Center, Columbus, OH

Co-Director of Comprehensive Transplant Center Tissue Biorepository (April 1, 2016 – Present)
The Ohio State University, Columbus, OH, U.S.A.

Principle Investigator, The Center for the Epidemiological Study of Organ Failure and Transplantation (CESOT) (September 1, 2015 – Present)
Nationwide Children's Hospital, Columbus, OH, U.S.A.

Training

Research Assistant (May, 1994 to May, 1997)
Mentor: Stephen F. Badylak, M.D., Ph.D., D.V.M.
Wm. A. Hillenbrand Biomedical Engineering Center
Purdue University, West Lafayette, IN

Research Assistant (May, 1997 to August, 1997)
Mentor: Klod Kokini, Ph.D.
School of Mechanical Engineering
Purdue University, West Lafayette, IN

Research Fellowship in Academic Medicine (May, 1998 to August, 1998)
Mentor: Ben M. Hillberry, Ph.D.
Department of Physiology & Biophysics
Indiana University School of Medicine, Indianapolis, IN
Surgical Intern (June, 2001 to June, 2002)
Chairman: David L. Dunn, M.D., Ph.D.
University of Minnesota Department of Surgery, Minneapolis, MN

Surgical Resident (July, 2002 to June, 2004)
Chairman: David L. Dunn, M.D., Ph.D.
University of Minnesota Department of Surgery, Minneapolis, MN

Clinical Surgical Infectious Disease Fellow (July, 2004 to June, 2006)
Mentors: David L. Dunn, M.D., Ph.D. & Matthew C. Byrnes, M.D.
University of Minnesota Department of Surgery, Minneapolis, MN

Richard L. Varco Surgical Research Fellow (July, 2004 to June, 2007)
Advisors: David ER Sutherland, M.D., Ph.D., & Michael A. Maddaus, M.D.
Minimally Invasive Surgery & Thoracic Oncology Laboratory

University of Minnesota Department of Surgery, Minneapolis, MN

Senior Surgical Resident (June, 2007 to June, 2008)

Chairman: Selwyn M. Vickers, M.D.

University of Minnesota Department of Surgery, Minneapolis, MN

Administrative Chief Surgical Resident (June, 2008 to June, 2009)

Chairman: Selwyn M. Vickers, M.D.

University of Minnesota Department of Surgery, Minneapolis, MN

Cardiothoracic Surgery Fellow (July, 2009 to June, 2011)

Chief: Herbert B. Ward, MD, PhD

University of Minnesota Department of Surgery, Minneapolis, MN

Administrative Chief Fellow in Cardiothoracic Surgery (June, 2011 to June, 2012)

Chief: Herbert B. Ward, MD, PhD

University of Minnesota Department of Surgery, Minneapolis, MN

Extramural

Senior Emergency Department Extern (April, 2000 to December, 2000)

St. Vincent's Hospital, Indianapolis, IN

Neurosurgical and Intensive Care Housestaff (July, 2004 to June, 2006)

Regions Hospital, St. Paul, MN (Moonlighting)

Surgical and Cardiac Intensive Care Housestaff (March, 2005 to June 2007)

Veteran Affairs Medical Center, Minneapolis, MN (Moonlighting)

Surgical and Intensive Care Housestaff (July 2007 to December 2009)

Abbott Northwestern Hospital, Minneapolis, MN (Moonlighting)

LICENSURE AND CERTIFICATION

United States Medical Licensing Examination (#5-056-714-8) – Step 1, June 7, 1999

United States Medical Licensing Examination – Step 2 CK, September 19, 2000

Basic Life Support, 2001

Advanced Cardiac Life Support, 2001

Advanced Trauma and Life Support, 2001

Advanced Trauma and Life Support Instructor (#258040), July 12, 2002, 2006, 2010

United States Medical Licensing Examination – Step 3, May 28, 2003

Minnesota Medical License # 46641, May 15, 2004 – Present

National Provider Identification Number 1073756367

DEA License, 2004 – 2010, 2012 – Present

Fundamentals of Laparoscopic Surgery, March 26, 2009, Cert. # 10919423195

Diplomate, The American Board of Surgery, Certificate # 054803, November 17, 2009 – July 1, 2020

Ohio State Medical License # 35.120288, October 15, 2012 – Present

Diplomate, The American Board of Thoracic Surgery, Certificate # 7994, June 7, 2013 – December 31, 2023

Fellow of the American College of Surgeons, October 26, 2014 – Present

ADVANCED SPECIALTY TRAINING

LAL Methodology and Applications, July 9 & 10, 1996

Vasoactive Therapy in Critically Ill Patients, November 9, 2005

Insertion of Brain Tissue Oxygen Monitors, May 17, 2006

Esophageal Function and Reflux Testing, September 8-11, 2010

Electromagnetic Navigation Bronchoscopy, October 2 & 3, 2010

Mechanical Circulatory Support in Advanced Heart Failure, November 4 & 5, 2011

Thoratec Heartmate II Surgical Training, November 8 & 9, 2011

Thoratec CentriMag Ventricular Assist System Surgical Training, December 7, 2011

CryoLife Aortic Allograft Implantation, March 15 & 16, 2012

Heartware HVAD, October 1, 2013

Atricure Certification Course on Surgical Treatment of Concomitant Atrial Fibrillation Using the FDA Approves Synergy Ablation System in the Maze IV Procedure, October 17, 2013

Thoratec Heartmate III LVAS Training, March 31-April 1, 2015

Abiomed Impella RP Training, August 24-25, 2015

Edwards Transcatheter Heart Valve Fundamentals Training, December 18, 2015

Boston Scientific Lotus Valve System, May 23, 2016

TEACHING AND MENTORING

Formal Scheduled Classes

University of Minnesota Medical School Surgery 7500: 3rd Year Surgery Clerkship Surgical Skills Laboratory (July, 2004 to June, 2007)

The Ohio State University College of Medicine Biomedical Sciences Graduate Program IGBP 8800 (Fall 2013)

PROFESSIONAL ACTIVITIES

Professional Organization Membership (Current)

Fellow, American College of Surgeons

CTSNet, Member

The Owen H. Wangensteen Surgical Society (2009-present)
The Lillehei Surgical Society (2009-Present)
The Society of Thoracic Surgeons (2009-Present)
American Society for Artificial Internal Organs (2011-Present)
International Society for Heart and Lung Transplantation (2012 – Present)
Association for Academic Surgery (2012 – Present)
American Society of Transplant Surgeons (2012 – Present)
The Ohio State University Center for Clinical and Translational Science (2012 – Present)
The Ohio State University Davis Heart and Lung Research Institute (2012 – Present)
International CTEPH Association (December 18, 2015 – Present)

Professional Organization Membership (Past)

American College of Surgeons, Resident Group Member
American Association for Cancer Research
American Society of Mechanical Engineers
Biomedical Engineering Society
American Society of Clinical Oncology
Society of American Gastrointestinal Endoscopic Surgeons, Candidate Member
The Association for Academic Surgery, Candidate Member
Ramsey Medical Society, Member
Minnesota Medical Association, Member
General Thoracic Surgical Club
Institute for Engineering in Medicine, University of Minnesota, Member (2007-2012)
The International Society for Minimally Invasive Cardiothoracic Surgery, Member (2011-2016)

Service to Profession / Volunteering

Instructor, American College of Surgeons, Advanced Trauma Life Support Training Course (June, 2002 to June, 2014).
SESATS XI – Question and content development for Cardiothoracic Critical Care Section (2012).
Lifeline of Ohio Organ Procurement Organization Medical Advisory Board of Directors (August 12, 2014 to Present)
Lifeline of Ohio Organ Procurement Organization Donor Management Protocol Subcommittee (October 6, 2014 to Present).

Editorial Board Membership

Editorial Board Member for Journal of Clinical Oncology (2012 through 2014)
Editorial Board Member for ISRN Surgery (2012 - Present)
Editorial Board Member for Open Journal of Thoracic Surgery (2012 - Present)
Editorial Board Member for Journal of Thoracic Disease (May 1, 2013 – Present)
Editorial Board Member for Open Journal of Respiratory Disease (April 12, 2014 – Present)
Editorial Board Member for ASAIO Journal (July 1, 2015 – June 30, 2018)
Section Editor, Pulmonary for ASAIO Journal (May 1, 2016 – Present)
Editorial Board Member for Journal of Thoracic and Cardiovascular Surgery (July 1, 2016 – Present)

Journal External Peer-Review

Ad hoc referee for Annals in Thoracic Surgery (2007 – present)
Ad hoc referee for Surgical Laparoscopy, Endoscopy & Percutaneous Techniques (2006 – 2012)
Ad hoc referee for Yonsei Medical Journal (2007-2012)
Ad hoc referee for Journal of Clinical Oncology (2008 – 2014)
Ad hoc referee for Clinical Transplantation (2008 - present)
Ad hoc reviewer for Circulation (2010 – present)
Ad hoc reviewer for Molecular Cancer Therapeutics (2010)
Ad hoc reviewer for Journal of Thoracic Disease (2010 – present)
Ad hoc reviewer for Journal of Thoracic and Cardiovascular Surgery (2011 – present)
Ad hoc reviewer for Journal of Surgical Oncology (2011 – 2015)
Ad hoc reviewer for Open Journal of Thoracic Surgery (2011 – present)
Ad hoc reviewer for ASAIO Journal (2012 – present)
Ad hoc reviewer for Journal of Biomedical Research (2012 – Present)
Ad hoc reviewer for Surgery (2013 – Present)
Ad hoc reviewer for Artificial Organs (2013 – Present)
Ad hoc reviewer for Diseases of the Esophagus (2014)
Ad hoc reviewer for Perfusion (April 24, 2014 – Present)
Ad hoc reviewer for American Journal of Transplantation (January 15, 2015 – Present)
Ad hoc reviewer for Journal of Heart and Lung Transplantation (January 15, 2016 – Present)
Ad hoc reviewer for COPD (April 15, 2016 – Present)

Grant Review

International grant reviewer for Diabetes United Kingdom (2008)

Grant reviewer for Institute for Engineering in Medicine, U of Minnesota (2009-2011)

Grant reviewer for College of Medicine Bridge Funding Grant Program, The Ohio State University, Columbus, OH (2012)

International grant reviewer for Canada Foundation for Innovation John R. Evans Leaders Fund (September, 2014)

Reviewer for the Department of Veterans Affairs Fall 2015 SURG Biomedical Research A Integrated Review Group, Office of Research and Development. (November 18, 2015).

Leadership / Committee Service

Local

University Senate and Trustee's Committee on Superior Students, Purdue University (1996 to 1997).

Committee of the Student Research Program in Academic Medicine, Indiana University School of Medicine (2000 to 2001).

Surgical Education Council Elected Resident Representative, Department of Surgery, University of Minnesota School of Medicine (2005 to 2007).

Graduate Medical Education Committee Elected Resident Representative, University of Minnesota School of Medicine (2005 to 2007).

Resident and Associate Society of the American College of Surgeons Education Committee (2007 to 2012)

Administrative Chief Surgery Resident, University of Minnesota (2008 to 2009)

University of Minnesota Department of Surgery Leadership Advisory Group Committee (2009 to 2010)

Member, Search Committee, Transplant Pulmonologist, the Division of Pulmonary, Allergy, Critical Care and Sleep Medicine, Department of Medicine, The Ohio State University Wexner Medical Center (2012 to December 2015)

Medical Center Wide Intensive Care Unit Technology Committee, The Ohio State University Wexner Medical Center (2012 to 2015)

Scientific Review Committee, Davis Heart and Lung Research Institute Tissue Bio-Bank The Ohio State University Wexner Medical Center (2012 – Present)

Cardiac Surgery Operations Council – Preop Workflow Workgroup, The Ohio State University Wexner Medical Center (2013 to June 30, 2015)

Committee on Cardiothoracic Resident Issues, Division of Cardiac Surgery, The Ohio State University Wexner Medical Center (2013 - Present)

Education Committee of the Comprehensive Transplant Center, The Ohio State University Wexner Medical Center (2013 to April 2016)

Formulary Committee, The Ohio State University Wexner Medical Center (July 1, 2013 to June 30, 2015)

Antibiotics Committee, The Ohio State University Wexner Medical Center (July 1, 2013 to June 30, 2015)

Application Screener, The Ohio State University College of Medicine Office of Admissions (July 1, 2013 to June 30, 2015)

Chair, Lung Transplant Quality Committee, The Ohio State University Wexner Medical Center (January 28, 2013 – Present)

Ohio State University Wexner Medical Center Department of Surgery Compensation Committee (December, 2013 – June 2015)

Ohio State University Wexner Medical Center Department of Surgery Quality Committee (October, 2013 – Present)

Ohio State University Wexner Medical Center Heart Care Council (July 2014 – Present)

Ohio State University Wexner Medical Center Heart Transplant Patient Selection Committee (August 2012 – Present)

Chair, Ohio State University Wexner Medical Center Lung Transplant Patient Selection Committee (January, 2013 – Present)

Ohio State University Wexner Medical Center Heart Quality Committee (August 2012 – Present)

Ohio State University Wexner Medical Center Ventricular Assist Device Quality Improvement Committee (July 2014 – Present)

Ohio State University Wexner Medical Center Transfusion and Isoimmunization Committee (May 27, 2014 - Present)

Ohio State University Wexner Medical Center 2015 Klassen Research Day Planning Committee

Ohio State University Wexner Medical Center 2016 Klassen Research Day Planning Committee

Ohio State University Wexner Medical Center Critical Care Value Analysis Team (July 30, 2015 – Present)

Ohio State University Wexner Medical Center Cardiac Surgery Operations Council (September 1, 2015 – Present)

Ohio State University Wexner Medical Center Comprehensive Transplant Center Quality Oversight Committee (September 1, 2015 – Present)

Ohio State University Wexner Medical Center Cardiovascular Services Quality Management Committee (September 1, 2015 – Present)

Ohio State University Wexner Medical Center Comprehensive Transplant Center Grand Rounds Committee (April 1, 2016 – Present)

Chair, Ohio State University Wexner Medical Center Cardiac Surgery Operations Council (September 1, 2016 – Present)

National

Resident and Associate Society of the American College of Surgeons Residency Program Liaison (2007 to 2009).

Information and Technology Committee of the Association for Academic Surgery (2008 to 2010)

Thoracic Surgery Residents Association Executive Committee (2009 to 2012)

Society of Thoracic Surgeons Education and Member Services Council Operating Board (2009 to 2012)

Thoracic Surgery Residents' Association Education Committee (2010 to 2012)

Thoracic Surgery News Resident Editor (2011 to 2013)

American Association for Thoracic Surgery Web and Technology Committee (2011 to 2013)

International Society for Minimally Invasive Cardiothoracic Surgery 2013 Annual Meeting Program Committee (January 2013-March 2013).

International Society for Minimally Invasive Cardiothoracic Surgery 2014 Annual Meeting Program Committee (January 2014-March 2014).

Association for Academic Surgeons Leadership Committee (February 2014 – February 2016)

American Society of Transplant Surgeons Thoracic Organ Transplantation Committee (July 1, 2014 to May 31, 2017).

Investigator, Cardiothoracic Surgical Trials Network (May 2014 to Present).

United Network for Organ Sharing National Lung Review Board (September 2, 2014 to August 31, 2016).

International Society for Heart and Lung Transplantation Pulmonary Transplantation Council (August 15, 2012 to present)

Reviewer for the abstract review committee for the joint annual meeting, the American Transplant Congress, May 2-6, 2015 of the American Society of Transplant Surgeons (ASTS) and the American Society of Transplantation (AST). (December 2014).

The Society of Thoracic Surgeons' *Workforce on Surgical Treatment of End-stage Cardiopulmonary Disease*. (January 2016-January 2019).

International

International Society for Heart and Lung Transplantation, International & Intersociety Coordination Committee (I2C2) (May 16, 2016 to Present).

International Society for Heart and Lung Transplantation Basic Science and Translational Research (BSTR) Council Operating Board (May 16, 2016 to Present).

International Society for Heart and Lung Transplantation Basic Science and Translational Research (BSTR) Council International & Intersociety Coordination Committee (I2C2) Workforce Leader (May 16, 2016 to Present)

International Society for Heart and Lung Transplantation DCD Registry Steering Committee (April 1, 2015).

VISITING PROFESSORSHIPS

Resident and Associate Society of the American College of Surgeons, San Francisco, CA (Oct 12, 2008)

Department of Biomedical Engineering. Purdue University, West Lafayette, IN. (November 6, 2012).

Biomedical Engineering Society – Invited Speaker, San Antonio, TX (October 25, 2014).

Department of Medicine, Division of Pulmonary, Critical Care and Sleep Medicine. University of Cincinnati, Cincinnati, OH. (December 15, 2014).

CONSULTING POSITIONS

Pfizer, Invited Speaker (2005)

GRANTS/FUNDING SUPPORT RECEIVED

1. Students In Health Professions at Indiana University Department of Physiology & Biophysics; Principal Investigator: Rodney A. Rhoades, PhD; Grant #5T35HL007584-14 (Summer stipend). May, 1998 to August, 1998.
2. Effects of open vs. video-assisted thoracoscopic lobectomy on cell-mediated immune function and recurrence of lung cancer. NIH Clinical Research LRP Award Recipient (\$70,000). August, 2004 to June, 2006.
3. Evaluation of Minimally Invasive Versus Open Surgery on Immune Effector Cell Gene Expression and Function. Funded by Minnesota Medical Foundation. Principal Investigator: Michael A. Maddaus, MD. Co-Investigator: Bryan A. Whitson, MD (\$15,000). August, 2005 to July, 2006.
4. Effect of Laparoscopic Versus Open Roux-En-Y Gastrointestinal Bypass on Cellular Immune Function. Richard L. Varco Surgery Research Fellowship (\$25,000). July, 2005 to June, 2006.
5. Evaluation of Video-Assisted Thoracoscopic Surgery Versus Open Lobectomy for Non-Small Cell Lung Cancer on Immune Effector Cell Function and Gene Expression. Richard L. Varco Surgery Research Fellowship (\$25,000). August, 2006 to June, 2007.
6. Endoscopic grasper to facilitate minimally invasive surgery end-to-end anastomoses. Medical Devices Center, Institute for Engineering in Medicine, University of Minnesota. Role: Co-Principal Investigator. (\$10,000) September 1, 2008 to August 31, 2009.
7. Antibody based system for specific filtration and cleansing of blood or blood components. Medical Devices Center, Institute for Engineering in Medicine, University of Minnesota. Role: Co-Principal Investigator. (\$10,000) September 1, 2008 to August 31, 2009.
8. Development of a composite drug delivery and electrical sensing/stimulating implantable catheter. Medical Devices Center, Institute for Engineering in Medicine, University of Minnesota. Role: Co-Principal Investigator. (\$25,000) September 1, 2008 to August 31, 2009.
9. Nanocapsule delivery system for molecular therapy. Medical Devices Center, Institute for Engineering in Medicine, University of Minnesota. Role: Co-Principal Investigator. (\$10,000) September 1, 2008 to August 31, 2009.
10. An investigation of novel biomarkers for diagnosis of pulmonary arterial hypertension in patients with cystic fibrosis. The Center for Clinical and Translational Science (CCTS) at The Ohio State University Davis Bremer Pilot Award. PI: Hayes, D Jr. Role: Co-Investigator. (\$31,960) June 17, 2013 to June 16, 2014.

11. Establishing a brain-death donor model in swine. Cystic Fibrosis Foundation Therapeutics Development Network (CFF TDN) Award from Nationwide Children's Hospital, Columbus, OH. Lead-PI: Hayes, D Jr.; Role: Co-Principal Investigator. (\$10,000) January 1, 2014 to December 31, 2014.
12. Development of a Hemoglobin Oxygen Carrier Based Perfusate for Normothermic Ex-vivo Lung and Liver Perfusion. Cystic Fibrosis Foundation Therapeutics Development Network (CFF TDN) Award from Nationwide Children's Hospital, Columbus, OH. Lead-PI: Black, SM; Role: Co-Principal Investigator. (\$12,100) January 1, 2014 to December 31, 2014.
13. MG53 Modulation of Ischemia-Reperfusion Injury in Lung Transplantation: Ex-Vivo Lung Perfusion as a Platform for Organ Protection. Lockwood Early Career Development Award for Surgical Research. The Ohio State University Wexner Medical Center. Role: Principal Investigator (\$25,000). March 1, 2014 to February 28, 2015.
14. Development of a Perfusate to Support Extended Duration Normothermic Ex-Vivo Organ Perfusion. The Ohio Solid Organ Transplant Consortium Collaborative Grant. Role: Co-Principal Investigator (\$25,000). January 1, 2015 to December 31, 2015
15. MG53 Mitigation of Ischemia-Reperfusion Injury in Lung Transplantation: Mechanisms of Action in Ex-Vivo Lung Perfusion. The Thoracic Surgery Foundation for Research and Education (TSFRE). Role: Principal Investigator (\$80,000). July 1, 2015 to June 30, 2017.

PATENTS

1. United States Patent No. 5,711,969: Large area submucosal tissue graft constructs.
2. United States Patent No. 5,755,791: Perforated submucosal tissue graft constructs.
3. United States Patent No. 5,885,619: Large area submucosal tissue graft constructs and method for making the same.
4. United States Patent No. 5,955,110: Multilayered submucosal graft constructs and method for making the same.
5. United States Patent No. 5,968,096: Method of repairing perforated submucosal tissue graft constructs.
6. United States Patent No. 5,997,575: Perforated submucosal tissue graft constructs.
7. Canadian Patent No. 2,211,727: Large area submucosal graft constructs and method for making the same.
8. Canadian Patent No. 2,248,212: Perforated submucosal tissue graft constructs.
9. Australia Patent No. 690455: Large area submucosal graft constructs and method for making the same.
10. Australia Patent No. 710788: Improved multilaminar SIS sheet by full thickness or partial thickness perforation.
11. Japan Patent No. 3061643: Large-area, multi-layer SIS sheets: Process and configuration.
12. Argentina Patent No. AR001564B1: Large area submucosal graft constructs and method for making the same.

13. Germany Patent No. 69635241.9-08: Large area submucosal graft constructs and method for making the same.
14. Europe Union Patent No. 891165: Perforated submucosal tissue graft constructs
15. Austria Patent No. 891165: Perforated submucosal tissue graft constructs.
16. Belgium Patent No. 891165: Perforated submucosal tissue graft constructs.
17. France Patent No. 891165: Perforated submucosal tissue graft constructs.
18. Germany Patent No. 891165: Perforated submucosal tissue graft constructs.
19. Ireland Patent No. 891165: Perforated submucosal tissue graft constructs.
20. Luxembourg Patent No. 891165: Perforated submucosal tissue graft constructs.
21. Monaco Patent No. 891165: Perforated submucosal tissue graft constructs.
22. Spain Patent No. 891165: Perforated submucosal tissue graft constructs.
23. Switzerland & Liechtenstein Patent No. 891165: Perforated submucosal tissue graft constructs.
24. United Kingdom Patent No. 891165: Perforated submucosal tissue graft constructs.
25. Europe Union Patent No. 821590: Large area submucosal graft constructs and method for making the same.
26. Denmark Patent No. 821590: Large area submucosal graft constructs and method for making the same.
27. Ireland Patent No. 821590: Large area submucosal graft constructs and method for making the same.
28. Italy Patent No. 821590: Large area submucosal graft constructs and method for making the same.
29. Netherlands Patent No. 821590: Large area submucosal graft constructs and method for making the same.
30. United Kingdom Patent No. 821590: Large area submucosal graft constructs and method for making the same.

PUBLICATIONS

Refereed Publications

1. **Whitson BA**, Cheng BC, Kokini K, Badylak SF, Patel U, Morff R, and O'Keefe CR. Multilaminar resorbable biomedical device under biaxial loading. *Journal of Biomedical Materials Research*. 1998 Fall;43(3):277-81.
2. Badylak S, Kokini K, Tullius B, **Whitson B**. Strength over time of a resorbable bioscaffold for body wall repair in a dog model. *Journal of Surgical Research*. 2001 Aug;99(2):282-7.
3. **Whitson BA**, Tuttle TM. Laparoscopic resection of periaortic paragangliomas, *American Surgeon*. 2005 May;71(5):450-4.
4. **Whitson BA**, Kratzke RA. Molecular pathways in malignant pleural mesotheliomas. *Cancer Letters*. 2006 Aug 8;239(2):183-9. Epub 2005 Oct 10.

5. **Whitson BA**, Nath DS, Johnson AC, Walker AR, Prekker ME, Radosevich DM, Herrington CS, and Dahlberg PS. Risk factors for primary graft dysfunction following lung transplantation. *Journal of Thoracic and Cardiovascular Surgery*. 2006 Jan;131(1):73-80.
6. Jacobson BA, Alter MD, Kratzke MG, Frizelle SP, Zhang Y, Peterson MS, Avdulov S, Mohorn RP, **Whitson BA**, Bitterman PB, Polunovsky VA, and Kratzke RA. Repression of cap-dependent translation attenuates the transformed phenotype in non-small cell lung cancer both in vitro and in vivo. *Cancer Research*. 2006 Apr 15;66(8):4256-62.
7. **Whitson BA**, Barnet SJ, Huddleston SJ, and Mohr WJ. Pulmonary embolism associated with a vacuum-induced arm compartment syndrome: A setting for increased vigilance. *Journal of Burn Care Research*. 2006 July/August;27(4):552-554.
8. **Whitson BA**, Jacobsen B, Frizelle S, Patel MR, Yee D, Maddaus MA, and Kratzke RA. The effects of insulin-like growth factor-1 receptor inhibition in mesothelioma. *Annals of Thoracic Surgery*. 2006 Sep;82(3):996-1001.
9. **Whitson BA**, Nath DS, Knudtson JR, and Shumway SJ. Cardiopulmonary bypass in revascularization and fluid management of exercise induced acute myocardial infarction. *Journal of Cardiac Surgery*. 2006 Sep-Oct;21(5):480-3.
10. **Whitson BA**, Hoang CD, Jie T, and Maddaus MA. Technology-enhanced interactive surgical education. *Journal of Surgical Research*. 2006 Nov;136(1):13-8. Epub 2006 Sep 27.
11. **Whitson BA**, Hoang CD, Boettcher AK, Dahlberg PS, Andrade RS and Maddaus MA. Wedge gastropasty and reinforced crural repair: Important components of laparoscopic giant or recurrent hiatal hernia repair. *Journal of Thoracic and Cardiovascular Surgery*. 2006 Nov;132(5):1196-1202.e3.
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128. **Whitson BA.** Surgical Implant Techniques of Left Ventricular Assist Devices: An Overview of Acute and Durable Devices. *Journal of Thoracic Disease.* 2015 Dec;7(12):2097-101.
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145. **Whitson BA.** Editorial Commentary: Old Tool, New Application? *Seminars in Thoracic and Cardiovascular Surgery.* In Press.

Reviews, Invited Published Papers, Proceedings of Conferences and Symposia, Monographs, Books and Book Chapters

1. **Whitson BA** and Maddaus MA. Continuing medical education for wedge gastropasty and reinforced crural repair: Important components of laparoscopic giant or recurrent hiatal hernia repair. E-published in *Journal CME on CTSNet for Journal of Thoracic and Cardiovascular Surgery.* [http://cme.ctsnetjournals.org/cgi/hierarchy/ctsnetcme_course;JTCS-Nov06GeneralThoracicSurgery]. Accessed November 1, 2006.
2. **Whitson BA,** Andrade RS, and Maddaus, MA. Lung segmentectomy for patients with peripheral T1 lesions. *Operative Techniques in Thoracic and Cardiovascular Surgery.* Volume 11, Issue 4, (Winter 2006) Pages 310-22.
3. Tuttle TM, Sielaff TD, **Whitson BA:** Surgical treatment of neuroendocrine liver metastases (Chapter 13). In: Pollock RE, Curley SA, Ross MI, Perrier ND. *Advanced Therapy in Surgical Oncology.* BC Decker, Hamilton, Canada. 2006. ISBN: 1-55009-126-3 Published March, 2007.
4. Ikramuddin S, Leslie D, **Whitson BA,** and Kellogg TA. Energy Metabolism and Biochemistry of Obesity. *Bariatric Times.* June 2007.
5. **Whitson BA.** The Effects Of Minimally Invasive And Open Surgical Approaches On Immune Effector Cell Function And The Implications For Early-Stage Non-Small-Cell Lung Cancer. Doctoral Thesis, *Universtiy of Minnesota Press.* December 2007.
6. Groth SS and **Whitson BA.** Early stage non-small cell lung cancer. In: Mery CM, Turek JW (eds). *TSRA Review of Cardiothoracic Surgery.* 1st edition. Chicago: Thoracic Surgery Residents Association; 2011. Chapter 4: pp. 16 – 19.

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8. **Whitson BA**. Thoracic sympathectomy. In: Mery CM, Turek JW (eds). *TSRA Review of Cardiothoracic Surgery*. 1st edition. Chicago: Thoracic Surgery Residents Association; 2011. Chapter 36: pp. 145 – 147.
9. Groth SS, **Whitson BA**, Rueth NM, Maddaus MA, and Andrade RS. Reply to Letter to the Editor. *Annals of Thoracic Surgery*. 2011 Jul;92(1):409-10.
10. **Whitson BA** and D’Cunha J. Response to Letter to the Editor regarding “Dose pulmonary wedge resection always provide worse survival result than segmentectomy”. *Journal of Thoracic and Cardiovascular Surgery*. 2012 Aug;144(2):518.
11. Groth SS, **Whitson BA**, and D’Cunha J. Response to Letter to the Editor regarding “Invasive Adenocarcinoma With Bronchoalveolar Features: A Population-Based Evaluation of The Extent of Resection In Bronchoalveolar Cell Carcinoma”. *Journal of Thoracic and Cardiovascular Surgery*. 2012 Sep;144(3):744-5.
12. **Whitson BA**. How To Approach Cardiac And Thoracic Transplant: How To Procure A Lung. In: Youssef SJ, Williams JA (eds). *TSRA Primer of Cardiothoracic Surgery*. 1st edition. Chicago, IL: Thoracic Surgery Residents Association; 2013.
13. **Whitson BA**. Changes in pulmonary function in lung cancer patients after video-assisted thoracic surgery (Invited Commentary) TOC Category: Invited Commentary. *Annals of Thoracic Surgery*. 2015 Jan;99(1):217.
14. **Whitson BA**, Hryniewicz K, and John R. Acute Mechanical Circulatory Support: Bridge To Recovery Or To Decision. In *Management of Heart Failure Volume 2: Surgical*, 2nd Edition, edited by Dr. Jai Raman. 2016. ISBN 978-1-4471-4279-9.
15. Kilic A, Raman J, and **Whitson BA**. Coronary Artery Bypass Grafting in the Treatment of Heart Failure. In *Management of Heart Failure Volume 2: Surgical*, 2nd Edition, edited by Dr. Jai Raman. 2016. ISBN 978-1-4471-4279-9.
16. Christensen G, Raman J, Kilic A, and **Whitson BA**. Ventricular Containment, Shape Change, Infarct Restraint. In *Management of Heart Failure Volume 2: Surgical*, 2nd Edition, edited by Dr. Jai Raman. 2016. ISBN 978-1-4471-4279-9.
17. **BA** and John R. Acute mechanical cardiac support/RVAD: Thoratec CentriMag/Rotaflow. In Keeling and Lattouf. *Multi Organ Dysfunction in the Cardiac Patient*. In Press.
18. **Whitson BA** and John R. Acute mechanical cardiac support/Left ventricular assist device (LVAD):Thoratec CentriMag/Rotaflow. In Keeling and Lattouf. *Multi Organ Dysfunction in the Cardiac Patient*. In Press.
19. **Whitson BA** and Shumway SJ. Pericardiectomy. In Keeling and Lattouf. *Multi Organ Dysfunction in the Cardiac Patient*. In Press.
20. Kilic A, **Whitson BA**, and Kilic A. Veno-Arterial Extracorporeal Membrane Oxygenation for the Treatment of Acute Heart Failure. In *Color Atlas of Heart Failure*, edited by Dr. Ragavendra Baliga. In Press.

PRESENTATIONS

1. Determination of Poisson's ratio of cancellous bone. *Western Regional Meeting, American Federation for Medical Research*, Carmel, CA (January, 1999).
2. Preoperative localization in hyperparathyroidism. *Indiana Chapter American College of Surgeons*, Fort Wayne, IN (May, 2001).
3. Spontaneous posterior rectus sheath herniation: A new clinical entity? *Minnesota Surgical Society*, Fall Meeting, Duluth, MN (October 10, 2003).
4. Endoluminal bronchial mass. Department of Surgery Grand Rounds, University of Minnesota. Minneapolis, MN. (December 16, 2003).
5. Risk factors for primary graft dysfunction following lung transplantation. *American Association for Thoracic Surgery 85th Annual Meeting*, San Francisco, CA (April 11, 2005).
6. Thoracoscopic lingulectomy in an immunocompromised patient with pulmonary aspergillosis. (Poster Presentation) *Society of American Gastrointestinal and Endoscopic Surgeons Annual Meeting*, Hollywood, FL (April 15, 2005).
7. Invasive pulmonary aspergillosis. Surgery Infectious Disease Grand Rounds. University of Minnesota, Minneapolis, MN (May 17, 2005)
8. Laparoscopic resection of periaortic paragangliomas. *Minnesota Surgical Society*, Spring Meeting, St. Paul, MN (May 20, 2005).
9. Primary graft dysfunction in lung transplantation. *Minnesota Surgical Society*, Spring Meeting, St. Paul, MN (May 20, 2005).
10. Is distal aortic perfusion in traumatic thoracic aortic injuries necessary to avoid paraplegic post-operative outcomes? *American College of Surgeons' Minnesota State Committee on Trauma, Resident Trauma Paper Competition – Second Place*, Minnesota Surgical Society in Deerwood, MN (September 25, 2005).
11. Mesothelioma antitumor effects by inhibition of the insulin-like growth factor-1 receptor and pathway by NVP-AEW541. *The Society of Thoracic Surgeons 26th Annual Meeting*, Chicago, IL (January 30 to February 1, 2006) – *Best Scientific Abstract Award*.
12. Technology-enhanced interactive surgical education. *Association for Academic Surgery*, San Diego, CA. (February 7 to 10, 2006).
13. Thoracoscopic sympathectomy chain clipping is equivalent to transection in symptomatic hyperhidrosis. *SAGES*, Dallas, TX (April 26 to 29, 2006).
14. Collis gastroplasty and reinforced crural repair: essential components of laparoscopic giant hiatal hernia repair. *American Association for Thoracic Surgery 86th Annual Meeting*, Philadelphia PA (April 29 to May 3, 2006).
15. Primary graft dysfunction and long-term pulmonary function following lung transplantation. 26th Annual Meeting of the *International Society for Heart and Lung Transplantation*, Madrid, Spain (April 5 to 8, 2006).
16. The effect of major abdominal surgery by minimally invasive versus open approaches on immune effector cells. *Minnesota Surgical Society*, Spring Meeting, Minneapolis, MN (May 5, 2006).
17. Video-assisted thoracoscopic surgery is less morbid than thoracotomy for resection of clinical stage I non-small cell lung cancer. *Minnesota Surgical Society*, Spring Meeting, Minneapolis, MN (May 5, 2006).

18. *Clostridium difficile* infection. Surgery Infectious Disease Grand Rounds. University of Minnesota, Minneapolis, MN (May 9, 2006).
19. The effects of insulin-like growth factor-1 receptor inhibition in mesothelioma (Poster Presentation). *Research Day*. Department of Medicine. Minneapolis, MN (May 15, 2006) – *Outstanding Research Award*.
20. Comparison of video-assisted thoracoscopic surgery to thoracotomy for resection of clinical stage I non-small cell lung cancer (Poster Presentation). University of Minnesota Cancer Center Research Symposium. Minneapolis, MN (May 18, 2006).
21. Minimally invasive versus open surgery: impact of immune effector cells (Poster Presentation). University of Minnesota Cancer Center Research Symposium. Minneapolis, MN (May 18, 2006).
22. Comparison of video-assisted thoracoscopic surgery to thoracotomy for resection of clinical stage I non-small cell lung cancer. *American College of Surgeons' Surgical Forum*, Chicago, IL (October 10, 2006).
23. Entero-endocrine effects of Roux-en-Y gastric bypass for morbid obesity. (Poster Presentation) *Society of University Surgeons, 2nd Annual Academic Surgical Congress*, Phoenix, AZ (February 9, 2007).
24. Differential adipokine response in diabetics and non-diabetics. (Poster Presentation) *Association for Academic Surgeons, 2nd Annual Academic Surgical Congress*, Phoenix, AZ (February 9, 2007).
25. Allergic reactions, poisoning, overdoses, alcohol and drugs. Opportunities in Emergency Care Health Class, Spring Lake Park High School, Spring Lake Park, MN (April 12, 2007).
26. Heat, cold, and behavioural emergencies. Opportunities in Emergency Health Care Class, Spring Lake Park High School, Spring Lake Park, MN (April 13, 2007).
27. Elucidation of the effect of lobectomy for non-small-cell lung cancer on host immunity: Preliminary results. 2007 Spring Meeting of the Minnesota Surgical Society and MN Chapter of the American College of Surgeons, Minneapolis, MN (April 27, 2007).
28. Wedge gastropasty and reinforced crural repair: Important components of laparoscopic giant or recurrent hiatal hernia repair. 2007 Resident Research Day, University of Minnesota Department of Surgery, Minneapolis MN (June 12, 2007).
29. Comparison of minimally invasive vs. Open roux-en-y gastric bypass on immune effector cell function. *2008 American College of Surgeons' Clinical Congress Surgical Forum*, New Orleans, LA (October 8, 2007).
30. Lobectomy for early stage non-small-cell lung cancer impairs cellular immunity. (Poster Presentation) *2008 American College of Surgeons' Clinical Congress*, New Orleans, LA (October 8-11, 2007).
31. Surgical resection of isolated asynchronous renal cell cancer metastases to mediastinal lymph nodes extends survival. (Poster Presentation) *2008 American College of Surgeons' Clinical Congress*, New Orleans, LA (October 8-11, 2007).
32. Lobectomy For Early Stage Non-Small-Cell Lung Cancer: A Systematic Review And Meta-Analysis Comparison Of The Video-Assisted Thoracoscopic Approach To Thoracotomy. *Society of Thoracic Surgeons 44th Annual Meeting, Fort Lauderdale, FL (January 28 to 30, 2008)*.

33. Surgical Approach To Lobectomy In Early Stage Non-Small Cell Lung Cancer Demonstrates Differential Impairment Of Cellular Immunity. (Poster Presentation) *General Thoracic Surgical Club 21st Annual Meeting, San Diego, CA* (March 13 to 16, 2008).
34. Assessment Of The Equivalent Survival Of Distal Esophageal And Gastric Cardia Tumors: A Population Based Analysis Of Gastro-Esophageal Carcinomas. 2008 Spring Meeting of the *Minnesota Surgical Society* and *Minnesota Chapter of the American College of Surgeons*, Minneapolis, MN (May 2, 2008).
35. Not every bulb is a rose: which suction bulb is best? 2008 Spring Meeting of the *Minnesota Surgical Society* and *Minnesota Chapter of the American College of Surgeons*, Minneapolis, MN (May 2, 2008).
36. Survival Rates of Patients With Distal Esophageal and Gastric Cardia Tumors: A Population-Based Analysis of Gastroesophageal Carcinomas. (Poster Presentation) *2008 American Society of Clinical Oncology Annual Meeting*, Chicago, Illinois (May 30 to June 3, 2008).
37. Survival rates of patients with distal esophageal and gastric cardia tumors: a population-based analysis of gastroesophageal carcinomas. 2008 Resident Research Day, University of Minnesota Department of Surgery, Minneapolis MN (June 10, 2008).
38. What to do with an abdominal CT target sign in an adult? Department of Surgery Grand Rounds, University of Minnesota. Minneapolis, MN. (September 16, 2008).
39. The Economics of Healthcare: An Opportunity For Innovation. RAS-ACS Symposium, 94th Annual ACS Clinical Congress, San Francisco, CA – Invited Faculty (October 12, 2008).
40. A tale of two geese. Department of Surgery Grand Rounds, University of Minnesota. Minneapolis, MN. (November 25, 2008).
41. Ad Astra Per Aspera. Department of Surgery Grand Rounds, University of Minnesota. Minneapolis, MN. (May 5, 2009).
42. Thoracoscopic Thymectomy: Technical Pearls to a 21st Century Approach. Presented at *The Society of Thoracic Surgeons 47th Annual Meeting*, San Diego, CA (January 31, 2011).
43. Survival After Lobectomy vs. Segmentectomy for Stage I Non-Small Cell Lung Cancer: A Population-based Analysis. Presented at *The Society of Thoracic Surgeons 47th Annual Meeting*, San Diego, CA (Poster presentation, January 31 - February 2, 2011).
44. Minimally Invasive Aortic Valve Replacement (Moderator). Presented at the Design of Medical Devices Conference 2011, Minneapolis, MN (April 13, 2011).
45. Extent of Resection in Bronchoalveolar Cell Carcinoma: A Population-Based Evaluation. Presented at the 37th Annual Meeting of the *Western Thoracic Surgical Association*, Colorado Springs, CO (June 25, 2011).
46. Minimally Invasive Aortic Valve Replacement (Moderator). Presented at the 5th Annual Bakken Symposium 2011 *Recent Advances in Cardiac Devices and Procedures*, Minneapolis, MN (July 26, 2011).
47. Surgical Stress and the Lung: Prognostication in Thoracic Surgery. Cardiothoracic Surgery Grand Rounds, University of Wisconsin, Madison, WI. November 22, 2011.

48. The True Negative Predictive Value of Endobronchial Ultrasound-Guided Fine-Needle Aspiration in Patients with Lung Cancer: Are We Being Conservative Enough? Presented at *The Society of Thoracic Surgeons 48th Annual Meeting*, Fort Lauderdale, FL (January 31, 2012).
49. T1/T2 Non-Small Cell Lung Cancer Treated by Lobectomy: Does Tumor Anatomic Location Matter? Presented at the *2012 Seventh Annual Academic Surgical Congress*, Las Vegas, NV (February 14, 2012).
50. Increasing Numbers of Rib Fractures Do Not Worsen Outcome: An Analysis of the National Trauma Data Bank. Presented at the *2012 Seventh Annual Academic Surgical Congress*, Las Vegas, NV (February 14, 2012).
51. Lung Transplantation for the Adult Patient with Cystic Fibrosis. Nationwide Children's Hospital Medical Grand Rounds, Columbus, OH (September 27, 2012)
52. Current Management of Pulmonary Hypertension in the Surgical Patients. *Heart Failure at the Shoe XI*, Columbus, OH (October 5, 2012)
53. Evolution of Cardiopulmonary Bypass. *Cardiothoracic Surgery Interest Group. The Ohio State University*, Columbus, OH (October 8, 2012).
54. An Engineer's Journey into Medicine. *Department of Biomedical Engineering Invited Lecturer. Purdue University*, West Lafayette, IN. (November 6, 2012).
55. Hemolysis, pump thrombus, and neurologic events in continuous flow left ventricular assist device (LVAD) recipients: A contemporary analysis of prothrombotic events. (Poster Presentation). *The 49th Annual Meeting of The Society of Thoracic Surgeons*. Los Angeles, CA (January 26-30, 2013).
56. Utilization of the Donor Lung After Asphyxiation or Drowning: Effect on Survival and Rejection in Lung Transplant Recipients. (Poster Presentation) *The 49th Annual Meeting of The Society of Thoracic Surgeons*. Los Angeles, CA (January 26-30, 2013).
57. Lung Transplantation for the Cardiologist. *Division of Cardiology Grand Rounds, The Ohio State University*, Columbus, OH (January 18, 2013).
58. Lung Transplantation and Novel Uses of Extracorporeal Circulation. *The Ohio State University Wexner Medical Center Department of Surgery Grand Rounds*. Columbus, OH (February 14, 2013).
59. An Update on Lung Transplantation: State of the Art 2013. *Pulmonary Rehabilitation Conference, The Ohio State University*, Columbus, OH (February 26, 2013).
60. Ex-Vivo Organ Perfusion As A Platform For Organ Modulation. *Department of Biomedical Engineering Seminar Series, The Ohio State University*, Columbus, OH (February 21, 2013).
61. Heart transplant recipients with LVADs and pulmonary hypertension do not benefit from "oversized" donor hearts. Presented at 2013 *International Society for Heart and Lung Transplantation Annual Meeting and Scientific Session*. Montreal, Canada (April 24-28, 2013).
62. To Induce or Not to Induce: A 21st Century Evaluation of Lung Transplant Immunosuppression. Presented at 2013 *International Society for Heart and Lung Transplantation Annual Meeting and Scientific Session*. Montreal, Canada (April 24-28, 2013).

63. Hemolysis and pump thrombus in continuous flow left ventricular assist device recipients does not affect survival. Presented at 2013 *International Society for Heart and Lung Transplantation* Annual Meeting and Scientific Session. Montreal, Canada (April 24-28, 2013).
64. Ex-Vivo Perfusion for Lung Transplant. Presented at the 2013 Klassen Research Day, The Ohio State University Wexner Medical Center. Columbus, OH (May 2, 2013).
65. Thoracic Transplantation and Advanced Mechanical Circulatory Support. Presented at Medical Grand Rounds, Christ Hospital. Cincinnati, OH (May 9, 2013).
66. Beyond the Ventilator. Medcentral Hospital Grand Rounds. Mansfield, OH. (October 22, 2013).
67. When Ventricular Assist Devices Last Longer Than Transplanted Hearts. *Invited Presentation at Eastern Cardiothoracic Surgical Society's Annual Meeting 2013*. Sandpearl Resort, Clearwater Beach, FL (October 24, 2013).
68. Thirty Years of Thoracic Transplantation: How Are We Doing Now? The Ohio State University Wexner Medical Center Cardiology Grand Rounds. Columbus, OH. (October 25, 2013).
69. Lung Transplantation: A Breath of Fresh Air. Transplantation in 2013: Review of Best Practices. The Ohio State University, Columbus, OH (October 25, 2013).
70. What to Expect With Lung Transplanted. Presented to the Ohio State University Lung Transplant Patient Support Group. Columbus, OH (October 29, 2013).
71. Extra Corporeal Circulation Technologies as a Platform for Lung Repair. Presented at the Klassen Research Day, The Ohio State University Wexner Medical Center. Columbus, OH (December 12, 2013).
72. Lung transplant: practical considerations. Presented at Southern Ohio Medical Center Grand Rounds, Portsmouth, OH (February 7, 2014).
73. Advanced Therapies for Heart Failure. Presented at Southern Ohio Medical Center Grand Rounds, Portsmouth, OH (February 14, 2014).
74. Moderator - 5 Key Drivers of a Financially Viable VAD Program in the Era of Health Care Reform, Destination. Life. Thoratec Mechanical Circulatory Support User's Conference, Salt Lake City, UT (May 3, 2014)
75. Lung Transplant: Practical Considerations. Presented at Licking Memorial Hospital, Newark, OH (May 12, 2014)
76. Advances in Ex-Vivo Lung Perfusion Presented at the 2014 Ohio Solid Organ Transplantation Consortium Professional Transplant Symposium, Longaberger Alumni House, The Ohio State University. Columbus, OH (September 19, 2014).
77. *ECMO – A Tertiary Center's Experience* . Presented at the Sixth Annual Cardiovascular Emergencies Update 2014: Case Studies and Cutting Edge Therapies, The Ohio State University. Columbus, OH (September 19, 2014).
78. Ex-Vivo Lung Perfusion: A Bench to Bedside Platform for Pulmonary Investigation. Biomedical Engineering Society 2014, San Antonio, TX (October 25, 2014).
79. *Ex-Vivo Lung Perfusion: A Bench to Bedside Platform for Pulmonary Regeneration*. Pulmonary Research Conference, The Ohio State University Wexner Medical Center, Columbus, OH (November 17, 2014).

80. Lung Transplantation: How Does It All Work? University of Cincinnati Pulmonary Grand Rounds (December 15, 2014).
81. Management of Cardiopulmonary Failure. Presented at Cardiovascular Medicine Grand Rounds. The Ohio State University Wexner Medical Center, Columbus, OH. (January 15, 2015)
82. Lung Transplantation in 2015: How does it all work? Lifeline of Ohio, Columbus, OH (March 23, 2015)
83. Elderly Lung Transplant Recipient Long-Term Survival Is Not Impacted By Donor Age. Presented at the 35th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 16, 2015, in Nice, France.
84. Determination of Optimum Ventilation Strategy for Ex-Vivo Lung Perfusion: Comparing Negative and Positive Pressure Ventilation. Poster presentation at the 35th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 16, 2015, in Nice, France.
85. Body Mass Index Impacts Short, Intermediate, and Long-Term Survival in Lung Transplantation. Presented at the 35th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 16, 2015, in Nice, France.
86. Organ Assessment and Repair Center – The Future of Transplantation. ASAIO 4th Annual Pediatric Medical Device Day, Chicago, IL. (June 24, 2015)
87. Mechanical Heart Failure Therapies. The Ohio State University Wexner Medical School Cardiology Grand Rounds, Columbus, OH. (July 31, 2015)
88. CTEPH and PTE. Dayton Heart Center Outreach, Dayton OH (August 27, 2105)
89. Moderator: Nuts and Bolts of an Academic Career: Part 1. Association of Academic Surgeons Fall 2015 Course. Baldwin Auditorium, Robert H Lurie Medical Research Center, Northwestern University, Chicago, IL (October 3, 2015)
90. Pulmonary Embolism: Acute and Chronic Surgical Management. Licking Memorial Hospital Medical Grand Rounds. Newark, OH (October 12, 2015)
91. ECMO for Severe ARDS. CHEST 2015. Montreal, Canada (October 28, 2015)
92. Surgical Treatment of Pulmonary Hypertension. The Ohio State University Wexner Medical School Cardiology Grand Rounds, Columbus, OH. (November 20, 2015)
93. Lung Transplantation and Extracorporeal Life Support. The Ohio State University Wexner Medical School Cardiac Nurse Practitioners Continuing Medical Education, Columbus, OH. (January 7, 2016)
94. Lung Transplantation and Extracorporeal Life Support. The Ohio State University Wexner Medical School Cardiac Surgery Interest Group, Columbus, OH. (January 21, 2016)
95. Lung Transplantation in 2016. The Ohio State University Pulmonary Rehabilitation Conference, Columbus, OH (January 28, 2016)
96. Perspective in Aortic Valve Disease. Klassen Research Day, The Ohio State University Wexner Medical School, Columbus OH, (February 26, 2016)
97. The Nuts and Bolts of Lung Transplantation. Association of Surgical Technologists Ohio State Assembly, Mount Carmel East Hospital Bruce E. Siegel Center, Columbus, OH (March 5, 2016)

98. Research in Progress: Lung Transplant Program Research Overview. Pulmonary Research Conference, OSUWMC, Columbus, OH (April 5, 2016)
99. Polymerized Human Serum Albumin as an Osmotic Molecule to Support Ex-Vivo Lung Perfusion. Poster Presentation at the 36th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 27, 2016, in Washington, DC, U.S.A.
100. Moderator: Concurrent Session 30: What You Need to Know About Donors and Early Outcome Following Lung Transplantation. The 36th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 29, 2016, in Washington, DC, U.S.A.
101. What Is New And Aortic Valve Surgery In 2015? 4th Annual Structural Heart And 1st Annual Cardiac Anesthesia/TEE (it) Update Conference. The Ohio Union. The Ohio State University, Columbus, OH. (May 20, 2016)
102. Moderator: Valvular Disease: Mitral Valve Repair–Doesn't Have A Role With LVAD Implant. Destination Life. St. Jude Medical Users Meeting. Phoenix, AZ (May 21, 2016)
103. Acute Cardiopulmonary Support: Which Patient–Which Device? Destination Life. St. Jude Medical Users Meeting. Phoenix, AZ (May 21, 2016)
104. LTX, EVLP & Organ ARCs. The Ohio State University Comprehensive Transplant Center Lunch and Learn. Columbus, OH (July 27, 2016)
105. Organ ARCs: The Future of Transplantation. Cardiac Anesthesia Grand Rounds, The Ohio State University, Columbus, OH (July 28, 2016)

ABSTRACTS

1. Badylak SF, Shelbourne KD, Klootwyk T, Tullius R, **Whitson BA**, and Kokini K. Different configurations of small intestinal submucosa as a biomaterial for Achilles tendon repair in a dog model. *First SIS Symposium*, Orlando, FL (December, 1996).
2. O'Keefe CR, Kokini K, Badylak SF, Tullius R, Cheng B, and **Whitson BA**. The strength over time of a small intestinal submucosa hernia repair device in a dog model. *First SIS Symposium*, Orlando, FL (December, 1996).
3. Kokini K, **Whitson BA**, Cheng BC, Badylak SF, Patel U, Hiles MC, O'Keefe CR, Tullius R, and Morff R. Design for biaxial strength of multilayer small intestinal submucosa sheets. *First SIS Symposium*, Orlando, FL (December, 1996).
4. Obermiller J, **Whitson BA**, O'Keefe CR, Kokini K, Badylak SF, Tullius R, and Marso R. Suture retention strength of small intestinal submucosa. *First SIS Symposium*, Orlando, FL (December, 1996).
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 93. Tripathi R, **Whitson BA**, Bhatt A, Papadimos T, and Abel E. Preoperative but not postoperative prealbumins are associated with morbidity after cardiac . *Presented at 2014 Society of Critical Care Medicine, San Francisco, CA (January 9-13, 2014).*
 94. **Whitson BA**, Kilic A, Lehman A, Wehr A, Hasan A, Haas G, Sai-Sudhakar CB, and Higgins RSD. Impacts of Induction Immunosuppression on Survival in Heart Transplant Recipients: A Contemporary Analysis of Agents. *Presented at The Society of Thoracic Surgeons 2014 Annual Meeting, Orlando, FL (January 25-29, 2014).*
 95. LeNoir BJ, Tripathi RS, Tang R, Hayes D, Kilic A, Higgins RSD, Papadimos TJ, and **Whitson BA**. Use of “Modified” Sequential Organ Failure Assessment Score to Predict Survival To Decannulation in Patients Undergoing Extracorporeal Life Support. *Presented at the 8th Academic Surgical Congress, San Diego, CA (February 4-6, 2014). Published in Journal of Surgical Research . 2014. 186(2): 493.*
 96. Ghadiali S, Nelson K, Bobba C, Nana-Sinkam P, Zhao X, and **Whitson BA**. MicroRNA Regulation of Mechanically-Induced Lung Injury and Inflammation . *Presented at the 7th Annual T2C Regenerative Medicine Wound Conference, March 13-15, 2014 in Columbus, OH.*
 97. Ravi Y, **Whitson BA**, Boyer PG, Emani S, Hasan AK, Franco V, Kahwash R, Crestanello J, Haas G, Higgins RS, and Sai-Sudhakar CB. Has the survival in heart transplant recipients older \geq 65years improved over the decades? (Poster Presentation) *Presented at the ISHLT 34th Annual Meeting and Scientific Sessions, April 10, 2014 in San Diego. Published in Journal of Heart and Lung Transplantation. 2014; 33(4S): S266 Abstract 727.*
 98. Ravi Y, Emani S, Kilic A, Lampert B, Haas G, Hasan A, Higgins RS, Sai-Sudhakar CB, and **Whitson BA**. Elderly Heart Transplant Recipient Long-Term Survival Is Not Dependent on Donor Age: A Conditional Survival Analysis. *Presented at the ISHLT 34th Annual Meeting and Scientific Sessions, April 13, 2014 in San Diego. Published in Journal of Heart and Lung Transplantation. 2014; 33(4S): S161Abstract 425.*
 99. Knisley J, Weaver M, **Whitson BA**, Hasan A, Higgins RS, Haas G, and Kilic G. Spontaneous Iliac intramuscular bleed following orthotopic heart transplantation. (Poster Presentation) *Presented at the ISHLT 34th Annual Meeting and Scientific Sessions, April 11, 2014 in San Diego.*
 100. Yechoor M, Farneman M, **Whitson BA**, Hasan A, Haas G, Sai-Sudhakar CB, Higgins RS, and Kilic A. Is there a need for patient specific informed consent in heart transplantation? (Poster Presentation) *Presented at the ISHLT 34th Annual Meeting and*

- Scientific Sessions, April 12, 2014 in San Diego. Published in *Journal of Heart and Lung Transplantation*. 2014; 33(4S): S273 Abstract 749.
101. Emani S and Whitson BA. Real World Use of Ramp Studies to Diagnose Pump Thrombosis. (Poster Presentation) *Presented at the ISHLT 34th Annual Meeting and Scientific Sessions, April 11, 2014 in San Diego.*
 102. Bansal S, **Whitson BA**, Moffatt-Bruce S, Joseph A, Holley C, Harvey L, Higgins RS, John R, and Sai-Sudhakar CB. A Simplified Scoring System To Predict Post Operative Length of Stay in Mechanical Circulatory Support-A Multi-institutional Analysis. (Poster Presentation) *Presented at the ISHLT 34th Annual Meeting and Scientific Sessions, April 10, 2014 in San Diego.* Published in *Journal of Heart and Lung Transplantation*. 2014; 33(4S): S211 Abstract 567.
 103. **Whitson BA**, Ravi Y, Emani S, Lampert B, Kilic A, Hasan A, Higgins RS, and Sai-Sudhakar CB. Heart Transplant Recipient and Donor Age Mismatching: Should the Older Recipient Be Paired with the Older Donor? *Presented at the ISHLT 34th Annual Meeting and Scientific Sessions, April 13, 2014 in San Diego.* Published in *Journal of Heart and Lung Transplantation*. 2014; 33(4S): S163 Abstract 430.
 104. Duffy JS, Higgins R, **Whitson BA**, and Hayes D. Survival of Patients Undergoing Lung Transplantation for COPD: Utilization of Induction Therapy Over Ten Years. Presented at the *American Thoracic Society, May 16-31, 2014 in San Diego, CA.* Published in *American Journal of Respiratory and Critical Care Medicine*. 189;2014:A5169.
 105. Fiorini K, Ristev G, Flores A, Tripathi R, **Whitson BA**, Colombo D, Mahoney B, and Small R. Two Cases of Fulminant Respiratory Failure Requiring Cesarean Delivery and VV ECMO. Presented at the Society of Obstetric Anesthesiology and Perinatology's 46th Annual Meeting, May 14-18, 2014 in Toronto, Canada.
 106. Ghadiali SN, Nelson K, Bobba C, Nana-Sinkam P, Zhao X, and **Whitson BA**. MicroRNAs As Novel Regulators Of Mechanotransduction And Lung Injury/Inflammation. Presented at the Thomas L. Petty Aspen Lung Conference, 57th Annual Meeting on "Rebuilding the Injured Lung," June 4, 2014 in Aspen, CO.
 107. Theodoropoulos, N, Basavaraju, S, Dils D, Elkhammas E, Forbi J, Hayden T, Martin S, Pope-Harman A, Shah P, **Whitson BA**, Suryaprasad A. Transmission of Hepatitis C Virus (HCV) from a Deceased Organ Donor at Increased Risk of HCV infection with Negative Nucleic Acid Test Screening at the Time of Organ Donation. Presented at IDWeek 2014, October 8-12, 2014 in Philadelphia, PA.
 108. Kilic A, Phillips G, Chimanji N, Sai Sudhakar CB, Hasan A, Higgins RSD, and **Whitson BA**. Cost Comparison between Heart Transplantation and Left Ventricular Assist Device Implantation. Presented at the 18th Annual Scientific meeting of the Heart Failure Society of America, September 14-17, 2014 in Las Vegas, NV. Published in *Journal of Cardiac Failure*. 08/2014; 20(8S):S84.
 109. Bansal S, Moffatt-Bruce SM, Joseph AT, **Whitson BA**, and Sai-Sudhakar CS. Cardiac cachexia as a predictor of length of stay in mechanical circulatory support. Presented at the 18th Annual Scientific meeting of the Heart Failure Society of America, September 14-17, 2014 in Las Vegas, NV.
 110. Bansal S, Moffatt-Bruce SM, Joseph A, Higgins RSD, **Whitson BA**, and Sai-Sudhakar CB. Composite Risk Score Predicts Long-term Survival in Left Ventricular Assist Devices: A Move beyond INTERMACS. Presented at the 18th Annual Scientific meeting of the Heart Failure Society of America, September 14-17, 2014 in Las Vegas, NV.

111. Hayes Jr. D, **Whitson BA**, Tobias JD, Kirkby S, Kopp BT, Mansour HM, and McCoy KS. Influence of Diabetes on Survival in Cystic Fibrosis. Presented at the 2014 North American Cystic Fibrosis Conference, October 10, 2014 in Atlanta, GA.
112. Hayes Jr. D, Tobias JD, Mansour H, Kirkby S, McCoy KS, Galantowicz M, and **Whitson BA**. Pulmonary hypertension in cystic fibrosis in relation to other lung diseases prior to lung transplantation. Presented at the 2014 North American Cystic Fibrosis Conference, October 9, 2014 in Atlanta, GA.
113. Lee PH, Kilic A, **Whitson BA**, Crestanello J, and Higgins RSD. Racial and Income Disparities and Trends in the Use of Bioprosthetic Valves for Aortic Valve Replacements. Presented at the AHA Scientific Sessions 2014, November 16, 2014, in Chicago, Illinois. Published in *Circulation*. 2014; 130: A15269.
114. Bobba C, Nelson K, **Whitson BA**, Zhao X, and Ghadiali S. Aerosolized miR-146a Deliver and Expression in a Mouse Model. Presented at the Biomedical Engineering Society 2014, October 24, 2014, in San Antonio, TX.
115. **Whitson BA**. Ex-Vivo Lung Perfusion: A Bench to Bedside Platform for Pulmonary Investigation. Presented at the Biomedical Engineering Society 2014, October 25, 2014, in San Antonio, TX.
116. Nelson K, Bobba C, **Whitson BA**, and Ghadiali S. The Role of MicroRNAs in Ventilator Induced Lung Injury (VILI) and Inflammation. Presented at the Biomedical Engineering Society 2014, in October 25, 2014, in San Antonio, TX.
117. Higgins RS, Kilic A, Daniel V, Merritt R, Moffatt-Bruce S, Crestanello J, **Whitson BA**, Ross P, Harzman A, Ferguson C, and Williams T. Recruiting the Best and Brightest into Cardiothoracic Surgery- Medical Student Summer Scholars Program Revisited. Presented at STS 51st Annual Meeting held in San Diego, California from January 24-28, 2015.
118. Hayes Jr. D, Tobias JD, Black SM, Mansour HM, and **Whitson BA**. Impact of Pulmonary Hypertension on Survival in Advanced Lung Disease. Submitted to AHA....
119. Beal EW, Bennett SC, Jaik NP, Phillips GS, Black SM, Pesavento TE, Higgins RSD, and **Whitson BA**. Impact of Cardiac Intervention on Graft and Overall Survival In Abdominal Transplant Recipients. Presented to the Academic Surgical Congress, Las Vegas, Nevada (February 3-5, 2015). Published in *Journal of Surgical Research* XXXXXX.
120. Bennett S, Tripathi R, Kilic A, Flores A, Papadimos T, Hayes D, Higgins R, and **Whitson BA**. Bicaval Dual-Lumen VV-ECMO Cannula Improves Survival to Decannulation. Presented at Academic Surgical Congress, February 3-5, 2015, Las Vegas, NV. Published in *Journal of Surgical Research* XXXXXX.
121. Peterson D, Black SM, Bennett S, Dumond C, Hayes Jr . D, Higgins RS and **Whitson BA**. Electrical Impedance as a Non-invasive Metric for the Evaluation of Organ Quality in Ex-Vivo Lung Perfusion Presented at Academic Surgical Congress, February 3-5, 2015, Las Vegas, NV. Published in *Journal of Surgical Research* XXXXXX.
122. Ravi Y, Bansal S, Jeong K, Emani S, **Whitson BA**, Tong C, Sai-Sudhakar CB. Do Donor Lifestyle Choices and Polysubstance Abuse Affect Long Term Survival in Heart Transplant Recipients? Presented at the 35th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 16, 2015, in Nice, France. Published in ...

123. **Whitson BA**, Ravi Y, Pope-Harman A, Kilic A, Tobias JD, Sai-Sudhakar CB, Higgins RS, Hayes, Jr. D. Elderly Lung Transplant Recipient Long-Term Survival Is Not Impacted By Donor Age. Presented at the 35th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 16, 2015, in Nice, France. Published in ...
124. Nelson K, Black SM, Eren E, Hayes, Jr. D, Dumond C, Bennett S, Ghadiali S, **Whitson BA**. Determination of Optimum Ventilation Strategy for Ex-Vivo Lung Perfusion: Comparing Negative and Positive Pressure Ventilation. Presented at the 35th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 16, 2015, in Nice, France. Published in ...
125. **Whitson BA**, Pope-Harman A, Lee P, Kilic A, Sai-Sudhakar CB, Kirkby S, Higgins RS, Tobias JD, Hayes, Jr. D. Body Mass Index Impacts Short, Intermediate, and Long-Term Survival in Lung Transplantation. Presented at the 35th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 16, 2015, in Nice, France. Published in ...
126. Ravi Y, Sai-Sudhakar CB, Kirkby S, Black SM, Tobias JD, Hayes, Jr. D, Higgins RS, **Whitson BA**. Period of Transplant Influences Elderly Lung Transplant Recipient Survival: We Are Getting Better! Presented at the 35th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 18, 2015, in Nice, France. Published in ...
127. Hayes D, **Whitson BA**, Black SM, Mansour HM, Tobias JD, Nicol KK, Yates AR, Preston TJ, and Palmer AF. Influence of Transfusion on Survival in Lung Transplantation. Presented at the 2015 ATS International Conference, May 17, 2015, in Denver, Colorado. Published in *American Journal of Respiratory and Critical Care Medicine*. 2015:A2237.
128. Hayes D, Black SM, Kirkby S, Kopp BT, Tobias JD, Mansour HM, and **Whitson BA**. Survival in Advanced CF and Non-CF Bronchiectasis. Presented at the 2015 ATS International Conference, May 18, 2015, in Denver, Colorado. Published in *American Journal of Respiratory and Critical Care Medicine*.2015:A2447.
129. Kirkby SE, **Whitson BA**, Kopp BT, Paul G, Pope-Harman A, Tobias JD, and Hayes D. [Influence of HLA Mismatch in the Development of Bronchiolitis Obliterans Syndrome in Lung Transplant Recipients with Cystic Fibrosis.](#) . Presented at the 2015 ATS International Conference, May 18, 2015, in Denver, Colorado. Published in *American Journal of Respiratory and Critical Care Medicine*.2015:A2447.
130. Malik M, Kilic A, Rothstein W, Lee PH, Higgins RS, Whitson BA, Kilic A. Use of hemostatic agents in Left Ventricular Assist Device Implantation: Analysis of perioperative blood loss and transfusion requirements. Presented at the 2015 OSUWMC Department of Surgery Research Conference, May 20-21, 2015, in Columbus, OH, U.S.A.
131. Nelson K, Ghadiali SN, and **Whitson BA**. Effects of Negative and Positive Pressure Ventilation on Lung Mechanics and Inflammation During ex-vivo Lung Perfusion (EVLV). Presented at the Biomedical Engineering Society (BMES) 2015 Annual Meeting in Tampa, Florida (October 7-10, 2015).
132. Nelson K, **Whitson BA** and Ghadiali SN. Time-Dependent Expression of MicroRNA-146a Regulates Mechanotransduction and Pro-Inflammatory Cytokine Production in

- Lung Epithelia. Presented at the Biomedical Engineering Society (BMES) 2015 Annual Meeting in Tampa, Florida (October 7-10, 2015).
133. Malik M, Kilic A, Rothstein W, Lee PH, **Whitson BA**, Higgins RS, and Kilic A. Prophylactic Application of Hemostatic Agents in Left Ventricular Assist Device Does Not Reduce Chest Tube Output nor Transfusion Requirements. Presented at the 2015 Eastern Cardiothoracic Surgical Society, October 14-17, 2015 in Palm Beach Florida.
 134. Ravi Y, Stock E, Rosas PC, Hasan AK, Nikolaidis L, Bansal S, **Whitson BA**, Scott RC, and Sai-Sudhakar CB. Immunosuppressant Regimen over Time and Their Association with Rejection, Graft Failure and Mortality. Presented at the 36th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 27-30, 2016, in Washington, DC, U.S.A. Published in *Journal of Heart and Lung Transplantation*. 2016. V35, N4S: S279.
 135. Lampert BC, Emani S, Smith S, Hasan AK, Abraham WT, Wissman S, MacBrair K, Bergman A, **Whitson BA**, and Kilic A. Implantable Pulmonary Artery Pressure Sensor Detects Asymptomatic Atrial Fibrillation in Left Ventricular Assist Device Patient. Presented at the 36th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 27-30, 2016, in Washington, DC, U.S.A.
 136. Emani S, Lampert B, Smith S, Pleister A, Wissman S, MacBrair K, Bergman A, **Whitson BA**, and Kilic A. Expensive Taste: US Medicare Policy Regarding Destination Therapy VADs Leads to Additional Medical Costs. Presented at the 36th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 27-30, 2016, in Washington, DC, U.S.A. Published in *Journal of Heart and Lung Transplantation*. 2016. V35, N4S: S269.
 137. **Whitson BA**, Eren E, Beal E, Hayes, Jr. D, Palmer AF, and Black SM. Polymerized Human Serum Albumin as an Osmotic Molecule to Support Ex-Vivo Lung Perfusion. Presented at the 36th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 27-30, 2016, in Washington, DC, U.S.A. Published in *Journal of Heart and Lung Transplantation*. 2016. V35, N4S: S178.
 138. Ravi Y, Stock EM, Rosas PC, **Whitson BA**, Amulraj EA, Scott RC, Emani S, Bansal, and Sai-Sudhakar CB. **The obesity epidemic and its effect on donor body mass index and recipient survival-A UNOS database review of heart transplantation** 36th Annual Meeting and Scientific Sessions of the International Society for Heart and Lung Transplantation, April 27-30, 2016, in Washington, DC, U.S.A. Published in *Journal of Heart and Lung Transplantation*. 2016. V35, N4S: S115.
 139. Malik MA, Shareef M, George BS, Whitson BA, Crestanello JA, and Rushing GD. Reduced Ejection Fraction: Is there an improvement after Transcatheter Aortic Valve Replacement. Presented at the American Association for Thoracic Surgery 96th Annual Meeting, May 16, 2016, in Baltimore, MD.
 140. McDavid A, MacBrair K, Emani S, Yu L, Lee P, Whitson BA, Lampert B, and Kilic A. Time to Let Go: Early INR Management Post-Left Ventricular Assist Device Implantation is Equivalent Across All Management Strategies. Presented at the 20th Annual Scientific meeting of the Heart Failure Society of America (September 17-20 in Orlando, Florida).
 141. Hasson R, **Whitson BA**, Farneman M, Tripathi R, and Moffatt-Bruce S. Comparing Sequential Organ Failure Assessment (SOFA) Score versus Respiratory Extracorporeal Membrane Oxygenation Survival Prediction (RESP) Score for Predicting In Hospital-

Mortality for Patients Requiring Extracorporeal Membrane Oxygenation (ECMO). ASAIO 61th Annual Conference. (June 16-18, 2016 in San Francisco, CA)

142. Tripathi RS, Bhatt A, Crestanello JA, Kilic A, Moffat-Bruce S, Papadimos TJ, and **Whitson BA**. Early Tracheostomy in Patients Undergoing Veno-venous Extracorporeal Life Support Improves Survival. ASAIO 61th Annual Conference. (June 16-18, 2016 in San Francisco, CA)

MEDIA PRESENTATIONS AND PUBLIC RELATIONS

1. Minimally Invasive Surgery For Lung Cancer Is Less Stressful On Patients Than Standard Open Surgery, [<http://www.facs.org/clincon2006/press/prwhitson.html>], *American College of Surgeons* (October 10, 2006).
2. Minimally Invasive Surgery For Lung Cancer Is Less Stressful On Patients Than Standard Open Surgery Says American College Of Surgeons, [<http://releases.usnewswire.com/GetRelease.asp?id=74073>], *U.S. Newswire* (October 10, 2006).
3. Minimally Invasive Surgery For Lung Cancer Is Less Stressful On Patients Than Standard Open Surgery, [<http://www.medcompare.com/news.asp?newsid=154727&typeid=35>], *MedCompare* (October 10, 2006).
4. Minimally Invasive Surgery For Lung Cancer Is Less Stressful On Patients Than Standard Open Surgery, *American College of Surgeons Clinical Congress News* (October 11, 2006).
5. Sicker Patients Who Undergo Minimally-Invasive Surgery for Lung Cancer Experience Fewer Complications: Presented at ACS, [<http://www.docguide.com/news/content.nsf/news/852571020057CCF68525720D006DF79F>], *Doctor's Guide* (October 20, 2006).
6. Low Pneumonia Risk Casts VATS In Favorable Light, *Surgery News* (January, 2007).
7. VATS May Reduce Post-Lobectomy Pneumonia, *Thoracic Surgery News* (January/February, 2007)
8. Information & Technology Review: Bibliographic Management Software, S Ramamoorthy and **BA Whitson**, *Association for Academic Surgery Spring 2009 Newsletter* (May 19, 2009)
9. CTS Surgery: Department or Organ-Based Alignment? **Whitson BA**, *Thoracic Surgery News* (January 2012)
10. Diagnostic Concerns in Staging NSCLC With EBUS-FNA, *The STS Meeting Bulletin* (January 31, 2012)
11. Residents' Issues Discussed at STS Annual Meeting. **Whitson BA**, *Thoracic Surgery News* (March 2012)
12. TSRA Optimistic at the Annual Meeting. **Whitson BA**, *Thoracic Surgery News* (July 2012)
13. Mentor vs. Educator: Common Ground/Subtle Difference. **Whitson BA**, *Thoracic Surgery News* (October 2012)

14. COPD Update – MedNet21 <https://ccme.osu.edu/WebCastDetail.aspx?ID=588> (September 12, 2013)
15. OSU lung transplant program resumes. The Columbus Dispatch. <http://www.dispatch.com/content/stories/local/2013/08/25/osu-lung-transplant-program-resumes.html> (August 25, 2013).
16. Ohio State University Wexner Medical Center Re-Starts Lung Transplant Program. WBNS-10TV, Columbus, OH. <http://www.10tv.com/content/stories/2013/08/16/columbus-lung-transplant-program-restarts-at-wexner-med-center.html> (August 16, 2013).
17. Organ Transplants: Findings on Lung Transplants Detailed by Investigators at Ohio State University. Published in Biotech Week, <http://www.newsrx.com/newsletters/Biotech-Week/2014-02-12/60212201425UW.html> (February 12, 2014)
18. Ohio Heart Transplants Decline As Organs Go To Other States. The Columbus Dispatch. <http://www.dispatch.com/content/stories/local/2014/02/23/your-health/ohio-not-the-heart-of-it-all-for-transplants.html> (February 24, 2014)
19. 100th Lung Transplant. WBNS-10TV Columbus, OH <http://bit.ly/1jdTjEg> (March 27, 2014).
20. Organ Donation: Your Gift, Their Hope – NBC4, Columbus, OH. (April 17, 2014)
21. Lung Transplant Recipient Back on the Move. Pinwheel ceremony. https://www.youtube.com/watch?v=W_ACVHQTYGE&list=PLDQi4ZgipBq_ET3XAB4pvcX2Baqf63kr&index=4_NBC4, Columbus, OH (April 21, 2014).
22. Woman Receives 400th OSU Hear Transplant. Springfield News-Sun, Springfield, OH. (August 18, 2014).
23. Ohio State's Wexner Medical Center Reunites Transplant Patients, Families and Staff: WSYX-TV/6<<http://goo.gl/RKdnJn>> Broadcast audience: 30,215; WTTE-TV/28<<http://goo.gl/c4H45P>> Broadcast audience: 116,369; WBNS-TV/10<<http://goo.gl/shP1sw>> Broadcast audience: 109,657; WCMH-TV/4<<http://goo.gl/5Qbxm1>> Broadcast audience: 86,187; WCMH TV/4<<http://www.nbc4i.com/story/26358029/osu-transplants-reunite>> (online) Online audience: 213,200, Columbus, OH (August 24, 2014).
24. New Hope For End-Stage Lung Disease Patients Receiving Non-Traditional Donor Lungs. Lung Disease News, <http://lungdiseaseneeds.com/2014/10/02/transplanting-non-traditional-donor-lungs-can-save-patients-with-end-stage-lung-disease/>, Online audience unavailable; WCMH-TV/4, <https://urldefense.proofpoint.com/v1/url?u=http://mediacenter.tveyes.com/downloadgateway.aspx?UserID%3D59437%26MDID%3D4042818%26MDSeed%3D9255%26Type%3DMedia&k=ux7ohqYFcw1oDo0qOpSLlw%3D%3D%0A&r=p2PCtCIhPv%2BvCyWpOYfIThRRGJfECLzhTfd5LF3IXcc%3D%0A&m=WGt5Rb6oDMpra8TyBac5YhU5%2FiCEwFs8QqS2%2FGwOmma%3D%0A&s=631e0db899cfb0ef9955e2f4544f42904c28eb11130a1d1d888d0a785e355617>, Broadcast audience: 64,157; Arzte Zeitung, <http://www.aerztezeitung.de/medizin/krankheiten/atemwegskrankheiten/article/870069/lungentransplantation-spenderlungen-ertrunkenen-kommen-frage.html>, Online audience unavailable; (September 30, October 1 and 2, 2014).
25. Lung-transplant Donor Pool Might Be Expanded. Columbus Dispatch, <http://www.dispatch.com/content/stories/local/2014/10/01/lung-transplant-donor-pool->

- might-be-expanded.htm, Print audience: 133,930, Online audience: 654,465; [WBNS-TV/10](#), <http://mediacenter.tveyes.com/downloadgateway.aspx?UserID=257389&MDID=4030188&MDSSeed=6529&Type=Media>, Broadcast audience: 33,775. (October 1, 2014).
26. Lung-transplant Donor Pool Might Be Expanded. [KCBS-AM](#) (San Francisco), <http://goo.gl/qg5jal>, Broadcast audience unavailable. (October 1 and 2, 2014).
 27. Ex-vivo perfusion: Creating the future of organ transplantation. Fall 2014 **DOSSIER**, <https://osuwmcdigital.osu.edu/sitetool/sites/surgery2public/documents/dossierfallfourteen.pdf>, Department of Surgery at The Ohio State University (October 7, 2014).
 28. Non-Traditional Donor Lungs Appear Safe for Transplant. Society of Thoracic Surgeons. <http://www.sts.org/news/non-traditional-donor-lungs-appear-safe-transplant#node-33123> (Accessed October 21, 2014).
 29. Lungs donated after asphyxiation, drowning found usable. Thoracic Surgery News. 2014. 10(12): 14. http://www.thoracicsurgerynews-digital.com/thoracicsurgerynews/december_2014?pg=14#pg14 (Accessed January 8, 2015).
 30. ACS Surgery News – Specialty Focus in Transplant. Lungs donated after asphyxiation, drowning found suitable for transplant. <http://www.acssurgerynews.com/specialty-focus/transplant/single-article-page/lungs-donated-after-asphyxiation-drowning-found-suitable-for-transplant.html> (Accessed January 8, 2015).
 31. What's New in MCS. International Society for Heart and Lung Transplantation Council on Mechanical Circulatory Support. November 2014 Review. http://www.ishlt.org/ContentDocuments/WNIM_14Nov_Whitson.pdf (Accessed January 8, 2015).
 32. Organ Donation: Your Gift Their Hope. NBC4 Daytime Columbus (Columbus, OH, April 3, 2015). <https://www.facebook.com/OSUWexnerMedicalCenter?fref=nf&filter=3>. (Accessed April 20, 2015).
 33. Program Highlight – Lung. In the Transplant Loop. The Ohio State University Wexner Medical Center. Issue 8, Summer 2015.
 34. New lung, new life for Galion Woman. Mansfield News Journal, Mansfield, OH. November 5, 2015.
 35. Organ Transplant Numbers on the Rise Nationwide. Columbus Dispatch. January 18, 2016.
 36. Organ Transplant Numbers on the Rise Nationwide. Canton Repository. January 18, 2016.
 37. Lung Donation After Circulatory Death And The Potential Role Of Ex Vivo Lung Perfusion. **Whitson BA**. ISHLT Links. March 2016. Volume 7, Issue 11. http://www.ishlt.org/ContentDocuments/2016MarLinks_Whitson.html (Accessed March 27, 2016).
 38. “Our Heart”. In the Transplant LOOP. OSUWMC Innovations and Advances from the Ohio State Comprehensive Transplant Center. Issue 11, Spring 2016, Pg. 2-3.
 39. Doubly Blessed: Mt. Sterling Patient is OSU’s First Lung-Kidney Transplant. Columbus Dispatch, Columbus OH. May 7, 2016.

40. Double Transplant: Mt. Sterling Man First in Ohio to Receive New Lung, Kidney. Madison Press, Madison OH. May 14, 2016.
41. Ohio State Surgeons use new procedure to restore damaged donor lungs. The Columbus Dispatch. September 10, 2016. <http://www.dispatch.com/content/stories/local/2016/09/09/osu-surgeons-use-new-procedure-to-restore-damaged-donor-lungs.html> (Accessed September 10, 2016).
- 42.

SURGICAL MOTION PICTURES

1. **Whitson BA**, Andrade RS, Mitiek MO, D'Cunha J, and Maddaus MA. Thoracoscopic Thymectomy: Technical Pearls to a 21st Century Approach. (2011)
2. **Whitson BA**, Mitiek MO, D'Cunha J, Maddaus MA, and Andrade RS. Extended Lymph Node Dissection in Minimally Invasive Esophagectomy. (2011)

HOBBIES AND INTERESTS

Interests

Hiking, Backpacking, Mountain Biking, Cross-Country Skiing, Cooking. Spending time with my wife and children.

Purdue Alumni Association

Academic

Lung Transplantation, Mechanical Circulatory Support (VAD, ECLS/ECMO), Heart Transplantation, Organ Perfusion, Regeneration & Modification and clinical trials.

TRAINEES AND FELLOWS

Clinical Trainees

Jennifer Worth, MD	OSUWMC	2012 – 2013
Shelly Bansal, MD	OSUWMC	2012 – 2013
Kathryn O'Keefe, MD	OSUWMC	2012 – 2014
Nikhil Jaik, MBBS	OSUWMC	2012 – 2014
George Christenson, DO	OSUWMC	2013 – 2015
Emily Smelzer, MD	OSUWMC	2013 – 2015
Stephen Noble, MD	OSUWMC	2013 – 2015
Siva Patimalla, MD	OSUWMC	2014 – 2016
Mahim Malik, MD	OSUWMC	2014 – 2014
Josh Gustafson, MD	OSUWMC	2015 – 2017
Rian Hasson, MD	OSUWMC	2015 – 2017

Research Trainees

Kevin Nelson, PhD	OSUWMC	Biomedical Eng., PhD	January 2013 to May 2016
Chris Bobba	OSUWMC	Biomedical Eng., PhD	July 2013 to August 2015
Cecilia Pesavento	OSUWMC	High School Student	May, 2014 June-July 2016
Emre Eren	OSUWMC	Undergraduate	November 2012 to June 2014
Curtis Dumond	OSUWMC	Undergraduate	April 2013 to Present
Michael Allman	OSUWMC	Post-Baccalaureate	April 2013 to August 2015
Danielle Peterson	OSUWMC	Medical Student	May-Aug 2015 May-Jun 2016
Tania Gannell	OSUWMC	Medical Student	May 23-July 29, 2016

Post-Doctoral Fellows

Tyler Spata, MD	OSUWMC	General Surgery Resident	July 2012-June 2013
Shaylyn Bennett, MD	OSUWMC	General Surgery Resident	March 2014 to June 2015
Jung-Lye Kim, PhD	OSUWMC	Post-Doctoral Fellow	September 2014 to Present
Eliza Beal, MD	OSUWMC	General Surgery Resident	July 1, 2015 to Present

LABORATORY RESEARCH PROTOCOL PARTICIPATION (IACUC)

Institution	Study Number	Principal Investigator	Title
OSU	2012A00000126	Whitson, Bryan	Ex-Vivo Perfusion
OSU	2012A00000135	Whitson, Bryan	Rat Lung Transplantation
OSU	2014A00000122	Black, Sylvester	Rat Liver Hilar Clamp Protocol
OSU	2014A00000143	Black, Sylvester	Rat Liver Transplant
OSU	2014A00000142	Whitson, Bryan	Ischemia reperfusion induced lung injury model for protective strategies
OSU	2013A00000029	Kilic, Ahmet	Coronary Artery Ligation in Rats
OSU	2012A00000024	Kilic, Ahmet	The Protective Effect Of DMPO After Reperfusion Injury In A Rodent Lung Transplant Model
OSU	IS00001628	Whitson, Bryan	Porcine ECMO and Acute Lung Injury

CLINICAL RESEARCH PROTOCOL PARTICIPATION (IRB)

Institution	Study Number	Date Opened	Principal Investigator	Title
OSU	2014H0200	07/11/2015	Whitson, Bryan	Rate Control Versus Rhythm Control For Postoperative Atrial Fibrillation
OSU	2014E0278		Whitson, Bryan	Impact Of Cardiac Intervention On Graft And Overall Survival In Abdominal Transplant Recipients
OSU	2014E0267		Whitson, Bryan	Cesarean Section And Extra-Corporeal Life Support In The Management Of Pregnant Women With H1n1 Complicated By Respiratory Failure: An Algorithm For Cannulation And Delivery
OSU	2013W0153		Whitson, Bryan	Hw004-A Version 2.0: A Prospective, Randomized, Controlled, Unblinded, Multi-Center Clinical Trial To Evaluate The Heartware® Ventricular Assist Device System For Destination Therapy Of Advanced Heart Failure
OSU	2012W0147		Whitson, Bryan	Hw-Pas-03: A Multi Center, Post Approval Study Providing Continued Evaluation And Follow-Up On Patients Who Received A Heartware® Ventricular Assist System During Ide Trials For The Treatment Of Advanced Heart Failure
OSU	2012H0306	08/14/2015	Whitson, Bryan	Evaluation Of National Thoracic Transplant Surgery Outcomes With Unos/Optn Database
OSU	2012E0564		Whitson, Bryan	Evaluation Of Thoracic Surgery Outcomes
OSU	2011H0308	07/17/2015	Whitson, Bryan	Surgical Ablation Versus No Surgical Ablation For Patients With Persistent Or Longstanding Persistent Atrial Fibrillation Undergoing Mitral Valve Surgery
OSU	2010W0084		Whitson, Bryan	Hw-004: A Prospective, Randomized, Controlled, Un-Blinded, Multi-Center Clinical Trial To Evaluate The Heartware® Ventricular Assist System (Vas) For Destination Therapy Of Advanced Heart Failure
OSU	2009H0290	02/05/2015	Whitson, Bryan	Surgical Interventions For Moderate Ischemic Mitral Regurgitation
OSU	2009H0224	07/30/2015	Whitson, Bryan	Extracorporeal Life Support Organization (Elso) Registry
OSU	2006W0131		Whitson, Bryan	2005-01: Clinical Trial Of The On-X Valve Using Low Dose Anticoagulation
OSU	2014W0164		Kilic, Ahmet	Prevention Of Heartmate Ii Pump Thrombosis Through Clinical Management (Prevent)
OSU	2014W0149		George, Barry	S2282: Reprise Iii: Repositionable Percutaneous Replacement Of Stenotic Aortic Valve Through Implantation Of Lotus™ Valve System – Randomized Clinical Evaluation
OSU	2014W0011		Higgins, Robert	Commence Trial: 2012-02: Prospective, Non-Randomized, Multicenter Clinical Evaluation Of The

				Edwards Pericardial Aortic & Mitral Bioprostheses (Models 11000a & 11000m) With A New Tissue Treatment Platform
OSU	2014H0367	09/12/2015	Ballinger, Megan	Identification Of Novel Markers Of Human Lung Disease
OSU	2013W0153		Whitson, Bryan	Hw004-A Version 2.0: A Prospective, Randomized, Controlled, Unblinded, Multi-Center Clinical Trial To Evaluate The Heartware® Ventricular Assist Device System For Destination Therapy Of Advanced Heart Failure
OSU	2013W0097		Kahwash, Rami	Pro 03970-C: C–Pulse® System A Heart Assist Device
OSU	2013W0064		Higgins, Robert	A-003: A Phase Ii Multi-Center, Parallel-Group, Randomized, Double Blind, Proof-Of-Concept, Adaptive Study Investigating The Safety And Efficacy Of Thr-184 Administered Via Intravenous Infusion In Patients At Increased Risk Of Developing Cardiac Surgery Associated-Acute Kidney Injury (Csa-Aki)
OSU	2013H0423	10/31/2014	Winters, Holli	Analysis Of The Effect Of Sirolimus On Sternal Wound Infection After Median Sternotomy In Kidney And/Or Pancreas Transplant Recipients.
OSU	2013H0282		Daniels, Curt	Exercise Hemodynamics By Right Heart Catheterization And Measurement Of Endothelial Mediators: A Pilot Study To Investigate The Mechanisms Of Pulmonary Hypertension In Cystic Fibrosis
OSU	2013E0531		Winters, Holli	Analysis Of The Effect Of Sirolimus On Sternal Wound Infection After Median Sternotomy In Kidney And/Or Pancreas Transplant Recipients
OSU	2013E0359		Sai-Sudhakar, Chittoor	A Simplified Scoring System For Predicting Length Of Stay In Continuous Flow Left Ventricular Assist Device Patients.
OSU	2012W0150		Higgins, Robert	M13-796:A Phase 2b, Randomized, Double-Blind, Placebo-Controlled, Safety And Efficacy Trial Of Multiple Dosing Regimens Of Abt-719 For The Prevention Of Acute Kidney Injury In Subjects Undergoing High Risk Cardiac Surgery
OSU	2012H0383	11/25/2014	Tripathi, Ravi	Retrospective Evaluation Of The Association Of Nutritional Indices With Postoperative Outcomes In Patients Undergoing Cardiac Surgery
OSU	2012H0304		Kilic, Ahmet	Nitric Oxide Synthase Tegulation In Aortic, Pulmonary Arterial, And Left Ventricular Endothelial Tissue In Heart Failure Patients On Lvad Support
OSU	2011E0498		Kilic, Ahmet	Survey Of Surgeon Practices In Lung Transplantation
OSU	2005H0101		Wood, Karen	Lung Transplantation Specimen Repository

OSU	2014H0363	10/08/2015	Starr, Jean	Analyzing Changes In Carotid Arterial Waveforms Seen On Noninvasive Carotid Duplex Imaging In Patients With Left Ventricular Assist Devices
U of MN	0406A61147	07/25/2006	Maddaus, Michael	Education and Training in the Practice of Minimally Invasive Surgery
U of MN	0104M91701	09/21/2006	Dahlberg, Peter	Attenuating Reperfusion Injury in Clinical Lung Transplantation
U of MN	0212E38002	12/10/2002	Maddaus, Michael	Outcomes after Laparoscopic Collis-Nissen Fundoplication for Giant Hiatal Hernia Repair
U of MN	0302M41801	10/25/2006	Maddaus, Michael	Effect of Laparoscopic vs. Open Morbid Obesity Surgery on Immune Function
U of MN	0303M44607	11/09/2006	Dahlberg, Peter	Preoperative Pulmonary Artery Pressure Influences Survival after Single Lung Transplantation for Chronic Obstructive Pulmonary Disease
U of MN	0409M63989	07/05/2006	Maddaus, Michael	Effect of Video Assisted Thoracotomy vs. Open Thoracotomy Lung Surgery on Cellular Immune Function
U of MN	0412E66310	01/03/2005	Maddaus, Michael	Patient Outcomes for Pneumonectomy
U of MN	0412E66311	01/03/2005	Maddaus, Michael	Patient Outcomes for Esophagectomy
U of MN	0412E66312	01/03/2005	Maddaus, Michael	Patient Outcomes for Lung Lobectomy
U of MN	0501E66526	01/10/2005	Maddaus, Michael	Balance and Well Being in Medical Training
U of MN	0508E72793	09/16/2005	Herrington, Cynthia	Lung Transplant Outcomes in Recipients Sharing the Same Donor
U of MN	0602E81189	02/24/2006	Andrade, Rafael	Video Assisted Thoracoscopic Lingulectomy in an Immunocompromised Patient
U of MN	0604M84806	05/12/2006	Andrade, Rafael	Radio-Isotope Guided Bone Biopsy: Clinical Experience
U of MN	0605M86846	06/23/2006	Andrade, Rafael	Skin Evaporation Rates in Healthy Volunteers
U of MN	0612M97566	01/03/2007	Maddaus, Michael	Thoracic Surgery Outcomes Assessment
U of MN	0612M97866	12/21/2006	Maddaus, Michael	Patient Outcomes for Renal Cell Cancer
U of MN	0702M02301	02/20/2007	Andrade, Rafael	Outcomes Following Diaphragmatic Plication
U of MN	0702M02363	02/20/2007	Maddaus, Michael	Patient Outcomes for Diaphragmatic Hernia Repair
U of MN	0604M84806	04/09/2007	Andrade, Rafael	Radio-Isotope Guided Bone Biopsy: Clinical Experience
U of MN	0612M98492	01/02/2007	Maddaus, Michael	Evaluation of the Effect of Surgical Approach on the Immune System in Patients with Non-Small Cell Lung Cancer
U of MN	0703M03843	04/12/2007	Maddaus, Michael	Objective Outcomes of Bronchial Stump Reinforcement with Flap
U of MN	0704M06824	06/06/2007	Andrade, Rafael	Revision of Esophageal Cancer Staging System
U of MN	0708E14262	08/13/2007	Maddaus, Michael	A Population Based Analysis of Distal Esophageal and Gastric Cardia Tumors Using the Surveillance Epidemiology and End Results Database.
U of MN	CPRC 2003NT053		Maddaus, Michael	Effect of Video Assisted Thoracotomy vs. Open Thoracotomy Lung Surgery on Cellular Immune Function

U of MN	CPRC 2007LS020		Maddaus, Michael	Evaluation of the Effect of Surgical Approach on the Immune System in Patients with Non-Small Cell Lung Cancer
U of MN	1006E83853	06/16/2010	D'Cunha, Jonathan	Outcomes of Lung Transplantation Utilizing the UNOS Database
U of MN	1006M83333	07/07/2010	Shumway, Sara	Long Term Outcomes in Lung Transplant Recipients
U of MN	1006M83334	07/07/2010	Shumway, Sara	Impact of Implementation of Lung Allocation Score (LAS) on Lung Transplant Outcomes
U of MN	1006M83432	08/09/2010	Whitson, Bryan	Long Term Outcomes Assessment of Funduplications
U of MN	1293M12041		Andrade, Rafael	Endobronchial Ultrasound Outcomes

FUNDED CLINICAL TRIALS

Institution	Sponsor	Study Number	Date Opened	Principal Investigator	Title	Amount
OSU	HeartWare, Inc	HeartWare HW004		Whitson, Bryan	A prospective, randomized, controlled, un-blinded, multi-center clinical trial to evaluate the HeartWare ventricular assist system for destination therapy of advanced heart failure - Endurance supplemental trial (EST)	
OSU	HeartWare, Inc	HeartWare HW004		Whitson, Bryan	A prospective, randomized, controlled, un-blinded, multi-center clinical trial to evaluate the HeartWare ventricular assist system for destination therapy of advanced heart failure	
OSU	Yeshiva Univ	331102		Whitson, Bryan Crestanello, Juan Firstenberg, Michael Louis, Louis Sirak, John Sun, Benjamin Vesco, Paul	Evaluation of outcomes following mitral valve repair/replacement in severe chronic ischemic mitral regurgitation	
OSU	Yeshiva Univ	331099		Whitson, Bryan Crestanello, Juan Firstenberg, Michael Louis, Louis Sirak, John Sun, Benjamin Vesco, Paul	Surgical interventions for moderate ischemic mitral regurgitation	
OSU	HeartWare, Inc	HW003		Whitson, Bryan	Evaluation of the the heartware left ventricular assist device (LVAD) system for the treatment of advanced heart failure	

COLLABORATORS

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