

S. Chris Malaisrie, M.D., F.A.C.S, F.A.C.C, F.A.H.A.

**Professor of Surgery
Division of Cardiac Surgery
Northwestern University, Feinberg School of Medicine**

**Program Director, Thoracic Surgery Residency and Fellowship
Medical Director, Academic Affairs for the Division of Cardiac Surgery
Surgical Director, Thoracic Aortic Surgery Program
Associate Director, Center for Heart Valve Disease
Director, Comprehensive Center for Aortic Disease
Bluhm Cardiovascular Institute of Northwestern Memorial Hospital
Chicago, Illinois**

Date of Birth: September 9, 1972
Citizenship: United States of America
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EDUCATION:

June 1994 B.A. Williams College
Williamstown, Massachusetts
Majors: Economics and Chemistry

May 1998 M.D. University of Maryland Medical School
Baltimore, Maryland

TRAINING:

1999-2004 Loyola University Chicago
ACGME Residency in General Surgery

2004-2006 Baylor College of Medicine
ACGME Fellowship in Thoracic Surgery

2006-2007 Stanford University
Advanced Fellowship in Cardiothoracic Surgery

LICENSURE/CERTIFICATION:

	Medical Board of California (#A95122)
	Texas State Board of Medical Examiners (#M0806)
Interstate Medical Compact License:	Wisconsin Medical Examining Board (#2463-320)
	Michigan Board of Medicine (#EMC0002654)
	Arizona Medical Board (#68450)
Principal License:	Illinois Department of Professional Regulations (#036-105677)
2005	American Board of Surgery
2007	American Board of Thoracic Surgery

ACADEMIC APPOINTMENTS:

2005 – 2006	Instructor of Surgery, Department of Surgery Baylor College of Medicine Houston, Texas
2006 – 2007	Clinical Instructor, Department of Cardiothoracic Surgery Stanford University Medical Center Stanford, CA
2007 – 2013	Assistant Professor of Surgery, Division of Cardiac Surgery Northwestern University Feinberg School of Medicine Chicago, IL
2013 – 2019	Associate Professor of Surgery, Division of Cardiac Surgery Northwestern University Feinberg School of Medicine Chicago, IL
2019 - Present	Professor of Surgery, Division of Cardiac Surgery Northwestern University Feinberg School of Medicine Chicago, IL

HOSPITAL APPOINTMENTS:

2005 – 2006	General Surgery Staff Ben Taub Hospital Houston, Texas
2005 – 2006	Clinical Specialist, Dept. of Critical Care MD Anderson Cancer Center Houston, Texas
2007 – Present	Attending, Cardiac Surgery Bluhm Cardiovascular Institute, Northwestern Memorial Hospital

Chicago, Illinois

- 2007 – Present Surgical Director, Thoracic Aortic Surgery Program
Bluhm Cardiovascular Institute, Northwestern Memorial Hospital
Chicago, Illinois
- 2012 – Present Associate Director, Center for Heart Valve Disease
Bluhm Cardiovascular Institute, Northwestern Memorial Hospital
Chicago, Illinois
- 2022 – Present Director, Comprehensive Center for Aortic Disease
Bluhm Cardiovascular Institute, Northwestern Memorial Hospital
Chicago, Illinois

OTHER EMPLOYMENT:

- 2018- 2019 Clinical Events Committee, Percutaneous Mitral Valve Replacement Evaluation Utilizing IDE Early Feasibility Study (PRELUDE). Sponsor – Caisson Interventional, LLC
- 2020- 2021 Data Safety & Monitoring Board. A Pre-Market, Prospective, Controlled, Multicenter, Single Blinded, Pivotal Clinical Investigation of QuikClot Control+ for use in Mild to Moderate Bleeding, Sponsor – Z-Medica

HONORS AND AWARDS:

- 1994 Magna Cum Laude, Williams College
- 1994 Phi Beta Kappa, Williams College
- 2002 Finalist for Resident of the Year
- 2004 Keeley Surgical Fellowship
Travel to University of Hong Kong
- 2004 Jack R. Pickleman Resident Teaching Award
- 2006 American Association for Thoracic Surgery
Resident Traveling Fellowship Grant
Travel to Columbia University, New York
- 2009 Recipient of the Eleanor Wood Prince Grant Initiative; A Project of
The Woman's Board of Northwestern Memorial Hospital
- 2011 Outstanding Teacher Award, Northwestern University Feinberg
School of Medicine
- 2012 Co-Recipient of the Clinical Collaboration Award, Northwestern
Medical Faculty Foundation
- 2013 Excellence in Teaching Award (2012-2013), Northwestern University Feinberg
School of Medicine, Department of Surgery
- 2014 Inducted into the American Association for Thoracic Surgery
- 2015 Excellence in Teaching Award (2014-2015), Northwestern University Feinberg School
of Medicine, Department of Surgery
- 2018 Area of Scholarly Concentration Mentor Recognition, Northwestern University
Feinberg School of Medicine

INSTITUTIONAL SERVICE:

A. UNIVERSITY

2013 – Present Medical Advisory Board Member, NUvention Medical Innovation Northwestern University Feinberg School of Medicine; McCormick School of Engineering and Applied Science; Kellogg’s School of Management; Northwestern University School of Law. Chicago, IL

B. SCHOOL

2012 – 2018 Student Clerkship Director for Cardiac Surgery, Northwestern University Feinberg School of Medicine

2018- Present Program Director, Thoracic Surgery Residency and Fellowship, Northwestern University Feinberg School of Medicine

2022- Present Medical Director, Academic Affairs for the Division of Cardiac Surgery, Northwestern University Feinberg School of Medicine

C. DEPARTMENT

2018 – 2018 Search Committee, Chief of Thoracic Surgery, Department of Surgery, Northwestern University Feinberg School of Medicine

D. HOSPITAL

2011 – 2012 Member, Blood Transfusion Committee, Northwestern Memorial Hospital

2012 – Present Chairman, Blood Transfusion Committee, Northwestern Memorial Hospital

2015 – 2020 Member, Surgical Peer Review Committee, Northwestern Memorial Hospital

2015 – Present Member, Surgical Quality & Oversight Committee, Northwestern Memorial Hospital

2018 – Present Member, Cardiac Vascular & Thoracic Valve Analysis Committee, Northwestern Memorial Hospital

2018 – Present Co-Chair, Clinical Practice Committee, Bluhm Cardiovascular Institute, Northwestern Medicine Health System

PARTICIPATION IN PROFESSIONAL SOCIETIES AND EXTRAMURAL ORGANIZATIONS:

A. PROFESSIONAL SOCIETY MEMBERSHIPS

21st Century Cardiothoracic Surgical Society 2016-Present
American Association for Thoracic Surgery 2014-Present
American College of Cardiology, Fellow 2013-Present
American College of Surgeons, Fellow 2009-Present
American Medical Association 2005-Present
American Heart Association 2008-Present
Chicago Medical Society 2012-Present
Chicago Surgical Society 2010-Present
Cochrane Heart Group US Satellite 2015-Present
Denton A. Cooley Cardiovascular Surgical Society 2006-Present
Heart Valve Society 2015-Present
International CTEPH Association 2017-Present
International Society for Heart and Lung Transplantation 2007-Present
Michael E. DeBakey International Surgical Society 2006-Present
Marfan Foundation, Member 2007-Present
Marfan Foundation, Professional Advisory Board (PAB) 2020-Present
Society of Thoracic Surgeons 2009-Present
Thai Physicians Association of America 2008-Present

B. LEADERSHIP AND SERVICE

2010 – 2015	Member, Postgraduate Education Committee, Joint Council of Thoracic Surgery Education (JCTSE)
2011 – 2013	Member, Early Career Committee Commission, Council on Cardiovascular Surgery & Anesthesia, American Heart Association (AHA)
2014 – 2015	Member, Young Leadership Committee, Council on Cardiovascular Surgery & Anesthesia, American Heart Association (AHA)
2014 – 2015	President, Thai Physicians Association of America (TPAA)
2015 – 2016	President, Thai Physicians Association of America (TPAA) Foundation
2017 – Present	Board of Directors, Thai Physicians Association of America (TPAA)
2017 – Present	Member, Leadership Council, Cardiac Surgery Team Section, American College of Cardiology (ACC)

2017 – 2023	Member, STS Representative, TVT Registry Research and Publications Subcommittee, Society of Thoracic Surgeons (STS)
2018 – Present	Member, Workforce on International Education (formerly International Meetings), Society of Thoracic Surgeons (STS)
2018 – 2021	Member, Workforce on Annual Meeting, Society of Thoracic Surgeons (STS)
2019 – Present	Member, Access & Publications Adult Cardiac Surgery Database Committee, Society of Thoracic Surgeons (STS)
2020 – Present	Co-Chair, Cardiac Clinical Practice Standards Committee, American Association for Thoracic Surgery (AATS)
2020 – Present	Member, Professional Advisory Board (PAB), The Marfan Foundation
2021 – Present	Ad Hoc Member, Data and Safety Monitoring Board (DSMB), Cardiothoracic Surgical Trials Network (CTSN)
2021 – Present	Oral Examiner, American Board of Thoracic Surgery (ABTS)
2022 – Present	Chair, Workforce on International Education, Society of Thoracic Surgeons (STS)
2022 – Present	Member, Council on Meetings and Education Operating Board, Society of Thoracic Surgeons (STS)
2022	Writing Committee Member, AATS Representative, ACC/AHA/ASE/ASNC/SCCT/SCMR Advanced Training Statement on Cardiovascular Imaging (CVI ATS)
2022 – Present	Question Writer and Sub-section Editor, Self-Education Self-Assessment in Thoracic Surgery (SESATS) XIV, American Board of Thoracic Surgery (ABTS)
2022 – 2023	Chair-Elect, Leadership Council, Cardiac Surgery Team Section, American College of Cardiology (ACC)

EDITORIAL AND MANUSCRIPT REVIEW RESPONSIBILITIES:

Editorial Responsibilities

Editorial Board, Diagnostic & Invasive Cardiology

Reviewer Responsibilities

Reviewer, Annals of Thoracic Surgery
Reviewer, Circulation
Reviewer, Journal of Cardiothoracic Surgery
Reviewer, Journal of Thoracic and Cardiovascular Surgery

Abstract Reviewer, American Association for Thoracic Surgery
Abstract Reviewer, American Heart Association Scientific Sessions
Abstract Reviewer, International Society for Minimally Invasive Cardiothoracic Surgery
Abstract Reviewer, Society of Thoracic Surgeons

GRANT AWARDS AND CLINICAL TRIALS:

A. CURRENT

Prot # THOR-001 (Malaisrie) 09/27/22 – 07/27/26
Terumo Aortic (US)
Thoraflex Hybrid Post-Market Study
This is a global, prospective non-interventional, multi-centre, post-market study of the Vascutek Thoraflex™ Hybrid system in patients with acute thoracic aortic syndrome, subacute/chronic dissection of the aorta and aortic aneurysm.
Role: Local Principal Investigator

Prot # HLT2101 (Davidson) 08/01/22 – 08/01/25
HLT Inc. \$170,260
HLT® Meridian® TAVR Valve System Early Feasibility Study for Aortic Regurgitation
The purpose of this study is to evaluate the safety and performance of The Meridian® TAVR Valve in patients with severe aortic regurgitation who present at high risk for aortic valve replacement surgery.
Role: Co-Investigator

Prot # CP-2021-02 (McCarthy) 02/01/22 – 02/28/25
AtriCure, Inc. \$70,720
Outcomes of Surgical AF Ablation Using CryoICE Cryoablation System.
The purpose of this post-market study is to gather clinical data on the safety and performance of the CRYOF device.
Role: Co-Principal Investigator

Prot # ONX1801.000-C (Malaisrie) 03/01/21 – 02/28/24
Artivion, Inc. \$35,500
PROACT Xa: A prospective, randomized, active (warfarin) controlled, parallel-arm clinical trial to determine if patients with an On-X aortic valve can be maintained safely and effectively on the factor Xa inhibitor apixaban.
Purpose of this study is to determine if apixaban is non-inferior to warfarin (INR target range 2.0 - 3.0) for the primary composite outcome of valve thrombosis and valve-related thromboembolism in patients with an On-X mechanical heart valve implanted in the aortic position.
Role: Local Principal Investigator

Prot # 2020-05 (Davidson)	10/08/20 – 10/08/23
Edwards Lifesciences Corporation	\$1,100,000
TRISCEND II Pivotal Trial. Edwards EVOQUE Transcatheter Tricuspid Valve Replacement: Pivotal Clinical Investigation of Safety and Clinical Efficacy using a Novel Device	
Role: Local Surgical Principal Investigator	
Prot # ABT-CIP-10304 (Davidson)	03/08/20 – 03/08/24
Abbott Vascular Inc.	\$239,230
Percutaneous MitraClip Device or Surgical Mitral Valve Repair in Patients With Primary Mitral Regurgitation Who Are Candidates for Surgery (REPAIR MR)	
Role: Co-Investigator	
Prot # 2019-07 (Davidson)	12/06/19 – 12/16/26
Edwards Lifesciences Corporation	\$446,500
Edwards PASCAL TrAnScatheter Valve RePair System Pivotal Clinical Trial (CLASP II TR): A prospective, multicenter, randomized, controlled pivotal trial to evaluate the safety and effectiveness of transcatheter tricuspid valve repair with the Edwards PASCAL Transcatheter Valve Repair System and optimal medical therapy (OMT) compared to OMT alone in patients with tricuspid regurgitation	
Role: Local Surgical Principal Investigator	
Prot # 2019-06 (Davidson)	03/03/20 – 03/23/24
Edwards Lifesciences Corporation	\$255,000
Edwards EVOQUE Tricuspid valve Replacement: Investigation of Safety and Clinical Efficacy after replacemeNt of tricuspid valve with transcatheter Device (TRISCEND Study)	
Role: Local Surgical Principal Investigator	
Prot # 2018-10 (Davidson)	02/01/19 – 02/01/25
Edwards Lifesciences Corporation	\$435,484
Edwards PASCAL TrAnScatheter Valve RePair System in Tricuspid Regurgitation (CLASP TR) Early Feasibility Study.	
Role: Local Surgical Principal Investigator	
Prot # 2018-07 (Davidson)	01/07/19 – 01/17/26
Edwards Lifesciences Corporation	\$529,690
Edwards PASCAL TrAnScatheter Valve RePair System Pivotal Clinical Trial (CLASP IID/IIF): A prospective, multicenter, randomized, controlled pivotal trial to evaluate the safety and effectiveness of transcatheter mitral valve repair with the Edwards PASCAL Transcatheter Valve Repair System compared to Abbott MitraClip in patients with mitral regurgitation.	
Role: Local Surgical Principal Investigator	
Prot # MDT17022TMV001 (Malaisrie)	01/18/18 – 01/18/23
Medtronic Vascular	\$468,484
APOLLO Trial – Transcatheter Mitral Valve Replacement With the Medtronic Intrepid™ TMVR System in Patients With Severe Symptomatic Mitral Regurgitation.	

Role: Local Principal Investigator

Prot # 2015-08 MVIV (Malaisrie) 01/15/18 – 01/14/24
Edwards LifeSciences, Inc. \$250,000
PARTNER 3 Trial – Mitral Valve in Valve: A Prospective, Single-Arm, Multicenter Study to Investigate the Safety and Effectiveness of SAPIEN 3 Transcatheter Heart Valve Implantation in Patients With a Failing Mitral Bioprosthetic Valve
Purpose of this study is to assess the safety and effectiveness of the SAPIEN 3 (Edwards Lifesciences, Irvine, California) transcatheter heart valve in patients with a failing mitral bioprosthetic valve.
Role: Co-National Principal Investigator

Prot # 2015-08 AVIV (Malaisrie) 05/16/17 – 05/16/27
Edwards Lifesciences Corporation \$960,634
P3 AVIV Registry – A Prospective, Single-Arm, Multicenter Study to Investigate the Safety and Effectiveness of SAPIEN 3 Transcatheter Heart Valve Implantation in Patients With a Failing Aortic Bioprosthetic Valve
The purpose of this research study is to investigate the safety and effectiveness of SAPIEN 3 transcatheter heart valve implantation in patients with a failing aortic bioprosthetic valve.
Role: Local Principal Investigator

Prot # IP-0017-16 (Malaisrie) 06/16/17 – 06/16/23
Bolton Medical, Inc. \$75,000
A Prospective, Multicenter, Non-Blinded, Non-Randomized Study of the RelayPro Thoracic Stent-Graft in Subjects with an Acute, Complicated Type B Aortic Dissection
The purpose of this study is to investigate the safety and effectiveness of the RelayPro Thoracic Stent-Grafts in subjects with an acute, complicated type B aortic dissection.
Role: Local Principal Investigator

Prot # 2016-07 (Davidson) 04/04/17 – 04/04/23
Edwards Lifesciences Corporation \$4,257,845
Evaluation of Transcatheter Aortic Valve Replacement Compared to Surveillance for Patients with Asymptomatic Severe Aortic Stenosis: EARLY TAVR trial
The purpose of this research study is to establish the safety and effectiveness of the Edwards SAPIEN 3 (Edwards Lifesciences, Irvine, California) Transcatheter Heart Valve (THV) compared with clinical surveillance (CS) in asymptomatic patients with severe, calcific aortic stenosis
Role: Local Surgical Principal Investigator

Prot# 2015-08 (Malaisrie) 05/15/16 – 12/31/24
Edwards Lifesciences Corporation \$2,264,107
PARTNER 3 Trial: A Prospective, Randomized, Controlled, Multi-Center Study to Establish the Safety and Effectiveness of the SAPIEN 3 Transcatheter Heart Valve in Low Risk Patients Requiring Aortic Valve Replacement who have Severe, Calcific, and Symptomatic Aortic Stenosis.
The goal of this trial is to establish the safety and effectiveness of the Edwards SAPIEN 3 Transcatheter Heart Valve (THV) in patients with severe, calcific, symptomatic aortic stenosis who are at low operative risk for standard aortic valve replacement (AVR).

Role: Local Surgical Principal Investigator

Prot # HYBRID-002 (Malaisrie) 05/06/16 – 05/06/25
Terumo Cardiovascular \$170,500
Evaluation of the Thoraflex™ Hybrid Device for Use in the Repair or Replacement of the Ascending Aorta, Aortic Arch and Descending Aorta in an Open Surgical Procedure.
The purpose of this research study is to assess the safety and effectiveness of the Thoraflex™ Hybrid Device for Use in the Repair or Replacement of the Ascending Aorta, Aortic Arch and Descending Aorta in an Open Surgical Procedure
Role: Local Principal Investigator

Prot # 2011-02 (Malaisrie) 11/15/12 - 11/15/23
Edwards Lifesciences, Inc. \$1,265,000
Multi-CenTer Experience with the Rapid Deployment EDWARDS INTUITY Valve System FOR Aortic Valve ReplaceMent (TRANSFORM™ Trial).
The goal of this trial is to assess the safety and effectiveness of the EDWARDS INTUITY Valve System in subjects with aortic stenosis or stenosis-insufficiency requiring primary replacement of the native aortic valve
Role: Local Principal Investigator

Prot # 11-512 (Flaherty) 10/10/12 – 10/10/24
Evalve, Inc. \$463,626
Cardiovascular Outcomes Assessment of the MitraClip Percutaneous Therapy for High Surgical Risk Patients (The COAPT Trial): A Clinical Evaluation of the Safety and Effectiveness of the MitraClip® System for the Treatment of Functional Mitral Regurgitation in Extreme High Surgical Risk Subject
The goal of this study is to evaluate MitraClip® System for the Treatment of Functional Mitral Regurgitation in Extreme High Surgical Risk Subjects
Role: Local Surgical Principal Investigator

Pro t# 2010-12-US (Malaisrie) 04/15/11 – 04/15/24
Edwards Lifesciences Corporation \$1,904,650
The PARTNER II Trial: Placement of Aortic Transcatheter Valves Trial. Edwards SAPIEN XT Transcatheter Heart Valve.
The goal of this trial is to determine the safety and effectiveness of the SAPIEN Transcatheter Heart Valve and delivery systems (via transfemoral and transapical delivery) in high risk, symptomatic patients with severe aortic stenosis.
Role: Local Principal Investigator

Prot # 2006-05 (Malaisrie) 09/01/09 – 12/31/24
Edwards Lifesciences Corporation \$135,384
Carpentier-Edwards PERIMOUNT MAGNA Mitral Pericardial Bioprosthesis Models 7000/7000TFX and Carpenter-Edwards PERIMOUNT Magna MITRAL EASE PERICARDIAL Bioprosthesis Model 7200TFX
The goal of this study is to evaluate the long term safety and effectiveness of the Carpentier-Edwards Perimount Magna Mitral Valves in patients undergoing mitral valve replacement with or without concomitant procedures requiring cardiopulmonary bypass.
Role: Local Principal Investigator

Prot # H-13257 (Malaisrie) 09/05/07 – 12/31/31
National Marfan Foundation \$11,251
Baylor College of Medicine
Aortic Valve Operative Outcomes in Marfan Patients
The purpose of this study is to observe and compare the operative outcomes of aortic valve replacement (AVR) and aortic valve sparing (AVS) surgeries in different categories of patients with Marfan syndrome and to determine which factors have impact on surgery outcomes.
Role: Local Principal Investigator

B. COMPLETE

Prot # NMH Agmt #16 Exhibit B.6 (Markl) 01/01/19 – 08/31/20
Northwestern Memorial Hospital \$50,000
Virtual Catheter (vCath) for Noninvasive Hemodynamics in Bicuspid Aortic Valve
The objective of this research is to leverage our uniquely large 4D flow MRI database (800+ BAV patients; N=200 with follow-up) to improve the vCath development to simultaneously evaluate transvalvular pressure gradient and various 3D aortic flow indices and their diagnostic value in BAV outcome prediction. This may help identify novel aortopathy biomarkers and could support establishing optimized intervention strategies.
Role: Co-Investigator

Prot # 2017-18 (Malaisrie) 11/28/18 – 11/28/21
Edwards LifeSciences, Inc. \$631,385
ExCEED - A Prospective, Single-arm, Controlled, Multicenter Study to Establish the Safety and Effectiveness of the CENTERA THV System in Intermediate Risk Patients who have Symptomatic, Severe, Calcific, Aortic Stenosis Requiring Aortic Valve Replacement
The purpose of this prospective, single-arm, controlled, multicenter study is to establish the safety and effectiveness of the Edwards CENTERA THV System in patients with symptomatic, severe, calcific AS who are at intermediate operative risk for Surgical Aortic Valve Replacement (SAVR).
Role: Local Principal Investigator

Prot # PCT1101.011-C (Malaisrie) 01/15/18 – 01/15/22
Artivion, Inc. \$120,000
Prospective, Multicenter, Multidisciplinary, Controlled Clinical Investigation Evaluating the Safety and Efficacy of PerClot® Polysaccharide Hemostatic System
The objective of this clinical investigation is to collect clinical data concerning the safety and efficacy of PerClot versus a similar marketed hemostatic device (the control) in multiple surgical disciplines when used as an adjunct to conventional means of achieving hemostasis such as pressure or ligature.
Role: Local Principal Investigator

Prot # R01-HL133504-01A1 (Barker) 04/01/17-05/31/18
National Heart, Blood and Lung Institute \$309,630
Role of Valve-Mediated Hemodynamics on Bicuspid Aortopathy

The main objective of this project is to identify if critical hemodynamic biomarkers are predictive of local aortic disease severity and improve the understanding of regional pathophysiology in the presence of BAV aortopathy.

Role: Co-Investigator

Prot # 13SDG14360004 (Barker) 01/01/14 – 12/31/16
American Heart Association \$154,000

Hemodynamic Loading of the Left Ventricle and Aorta in Aortic Valve Disease

Role: Co-Investigator

Prot # NEO13-100 (Malaisrie) 10/22/13 – 10/22/16
Neomend, Inc. \$136,357

Neomend Progel: A Prospective, Randomized Study to Compare Progel® Vascular Sealant to Gelfoam® Plus as an Adjunct for the Control of Bleeding in Subjects

Undergoing Thoracic Aortic Surgery.

Role: Local Principal Investigator

Prot # R01HL115828 (Markl) 09/01/12 – 03/30/22
NIHLBI \$5,678,628

Functional Cardiovascular 4D MRI in Congenital Heart Disease

The main objective of this project is to develop more rapid and user-friendly applications for acquisition and analysis of 4D MRI in human subjects with Congenital Heart Disease

Role: Co-Investigator

Agmt 4/01/12 (Markl) 04/01/12 – 06/30/15
Bracco Diagnostics, Inc. \$104,754

“Comprehensive Evaluation of the Thoracic Aorta in Aortic Valve Disease”

The goal of this trial is to develop more rapid and user-friendly applications for acquisition and analysis of 4D MRI in human subjects with Aortic Disease

Role: Co-Principal Investigator

Agmt 06/07/11 (Malaisrie) 06/07/11 – 06/07/14
Medtronic, Inc. \$58,384

Comparative analysis of aortic arch and great vessels motion in humans

The purpose of this investigator-initiated project intended was to quantify great vessels motion related to the aortic arch in humans by using four-dimensional computed tomography (CT) and magnetic resonance (MR) angiography to predict the effect of the motion on the stent-graft.

Role: Principal Investigator

Prot # 2008-07 (Malaisrie) 03/21/11 - 12/31/20
Edwards Lifesciences Corporation \$265,848

Magna Mitral 23 Clinical Evaluation of the size 23 mm Carpentier-Edwards PERIMOUNT Magna Mitral Bioprosthesis, Model 7000TFX

The purpose of this research study is to collect information on the safety and effectiveness of an investigational device, the Carpentier-Edwards® PERIMOUNT® Magna Mitral Bioprosthesis (size 23 mm), model 7000/7000TFX, in patients undergoing mitral valve replacement.

Role: Principal Investigator

Prot # IP#118 (Eskandari)	05/05/10 – 05/10/19
Medtronic Vascular	\$134,329
Evaluation of the Clinical Performance of the Valiant Thoracic Stent Graft with the Captivia Delivery System for the Treatment of Acute, Complicated Type B Aortic Dissections	
The purpose of this research study is to assess the safety and effectiveness of the Valiant Thoracic Stent Graft with the Captivia Delivery System for treatment of dissections of the descending thoracic aorta.	
Role: Co-Investigator	
NMF Grant (Malaisrie)	09/01/09 – 08/31/11
Northwestern Memorial Foundation	\$25,000
AVR-TCD: Detection of Microembolic Signals During Aortic Valve Surgery Using Transcranial Doppler (TCD)	
The purpose of this project was to define the prevalence of microembolic signals and occurrence of cerebral emboli using Transcranial Doppler (TCD) in patients that underwent transcatheter aortic valve implantation compared to patients undergoing standard therapies for aortic stenosis	
Role: Principal Investigator	
Prot # HW003 (McGee)	12/22/08 – 12/21/11
Heartware, Inc.	\$74,500
Prot# HW-003: Evaluation of the HeartWare LVAD System for the Treatment of Advanced Heart Failure	
The purpose of this research study is to evaluate a new heart assist device, known as HeartWare Left Ventricular Assist Device (LVAD), as a treatment for end stage heart failure in patients who require circulatory assistance while waiting for a heart transplant.	
Role: Co-Principal Investigator	
Prot # PRO-02291-A (McCarthy)	12/15/08 – 12/15/11
Sunshine Heart, Inc	\$152,875
C-Pulse Implantable Counterpulsation Pump (ICP) Feasibility Study – A Heart Assist System	
Role: Co-Investigator	
Prot # CLP 06005 (McGee)	11/29/07 – 11/29/10
Ventracor, Inc.	\$4,600
Evaluation of the VentrAssist Left Ventricular Assist Device as a Bridge to Cardiac Transplantation - Pivotal Trial	
Role: Co-Investigator	
Prot # CLP12082 (McGee)	11/29/07 – 11/29/10
Ventracor, Inc	\$4,300
Evaluation of the VentrAssist Left Ventricular Assist Device for the Treatment of Advanced Heart Failure - Destination Therapy	
Role: Co-Investigator	
Prot # CURE-AF/Persistent (McCarthy)	11/12/07 – 11/12/10

Medtronic, Inc.	\$6,000
Medtronic Concomitant Utilization of Radio Frequency Energy for Atrial Fibrillation/Persistent (CURE-AF/Persistent) Study	
Role: Co-Investigator	
Prot # 2006-06-US (McCarthy)	10/01/07 - 12/31/17
Edwards Lifesciences, Inc.	\$1,000,016
“PARTNER Trial: Placement of Aortic Transcatheter Valves Trial”	
The goal of this trial is to determine the safety and effectiveness of the SAPIEN Transcatheter Heart Valve and delivery systems (via transfemoral and transapical delivery) in high risk, symptomatic patients with severe aortic stenosis.	
Role: Co-Investigator	
Malaisrie, S C (PD/PI)	12/31/06 – 10/20/08
Edwards Lifesciences Corporation	\$8,746
Management and Outcomes of Patients with Severe Aortic Stenosis	
Role: Local Principal Investigator	
Malaisrie, S C (PD/PI)	01/01/00 – 09/05/07
Baylor College of Medicine, Marfan Foundation	\$8,929
Aortic Valve Operative Outcomes in Marfan Patients	
Role: Local Principal Investigator	

INVITED LECTURES:

A. INTERNATIONAL/NATIONAL

International:

Feb 2009	“Bioprosthetic Valves for Young Patients” Cardiovascular Grand Rounds. Chest Disease Institute. Nonthaburi, Thailand.
Feb 2009	“Transcatheter Heart Valves: How to get started” Cardiothoracic Surgery Grand Rounds. Siri raj Hospital. Bangkok, Thailand
Feb 2009	“Update on Aortic Stenosis: Role of Transcatheter Heart Valves” Thai Physicians Association of America Annual Meeting. Chulalongkorn University. Bangkok, Thailand
Feb 2010	“Aortic valve repair and percutaneous valve replacement. Are new treatment options better than the standard?” Thai Physicians Association of America - Annual Convention. Chiang Rai, Thailand

- May 2011 “Minimally Invasive Mitral Valve Surgery” Joint Meeting of 19th ASCVTS and 21st ATCSA.
Phuket, Thailand
- Feb 2012 “Atrial Fibrillation” 2012 Thai Physicians Association Annual Convention.
Krabi, Thailand
- June 2014 “Minimally-Invasive Valve Replacement: Current Status and Techniques”
57th Annual Meeting of Kansai Thoracic Surgical Association.
Osaka, Japan.
- June 2014 “Treatment of Aortic Stenosis: Transcatheter Heart Valve” 2014 TPAA
Annual Convention.
Bangkok, Thailand
- Mar 2015 “Treatment of Valvular Heart Disease in the Elderly” - Open and
Transcatheter Therapies & Continue Medical Training in the USA. Joint
TPAA-Chula International Medical Congress 2015.
Bangkok, Thailand
- Oct 2015 “Ascending to Descending Aorta - Leveraging TEVAR for Thoracic
Aortic Disease”. 68th Annual Scientific Meeting of the Japanese Association
for Thoracic Surgery.
Kobe, Japan
- Oct 2015 “Long-term Result of TEVAR for Chronic Type B Aortic Dissection”. 68th
Annual Scientific Meeting of the Japanese Association for Thoracic Surgery.
Kobe, Japan
- Oct 2016 Speaker. "Tricuspid Valve reconstruction with Cormatrix". Controversies &
Catastrophes in Adult Cardiac Surgery. 30th EACTS Annual Meeting.
Barcelona, Spain
- Feb 2017 Speaker. “Coronary artery disease and Diabetes”. TPAA 2017 Convention.
Bangkok, Thailand
- Mar 2017 Speaker. “Aortic Root Reimplantation: Technical Considerations”. AATS
Post Graduate Course.
Seoul, Korea
- Mar 2017 Speaker. “TAVI: development of surgical placement and Cx of transcatheter
procedures”. ASCVTS 2017 General Session.
Seoul, Korea
- Mar 2017 Speaker. “New technology in the treatment of valve disease”. Small Group
Discussion. Edwards.
Seoul, Korea

- Mar 2017 Speaker. “Contemporary treatment of thoracic aorta”. ASCVTS 2017 General Session. Seoul, Korea
- Mar 2017 Speaker. “Current situation of AS treatment and role of heart team: situation in USA”. ASCVTS 2017 General Session. Seoul, Korea
- Mar 2017 Speaker. “TAVI and heart team.” Siriraj Hospital. Edwards. Bangkok, Thailand
- Mar 2017 Speaker. “Current Treatment of AS”. Thammasart University Hospital. Edwards. Bangkok, Thailand
- Mar 2017 Speaker. “Current Treatment of AS”. Rajavithi Hospital. Edwards. Bangkok, Thailand
- Mar 2017 Speaker. “Current Treatment of AS”. Phramongkutkloao Hospital. Edwards. Bangkok, Thailand
- July 2017 Speaker. “Current strategies for AVR including prosthetic valve choices”. The Changing Landscape of Aortic Valve Replacement Workshop. Maharajnakorn Hospital. Edwards. Chaing Mai, Thailand.
- July 2017 Speaker. “My experiences with TAVI”. The Changing Landscape of Aortic Valve Replacement Workshop. Edwards. Maharajnakorn Hospital. Chaing Mai, Thailand.
- Aug 2017 Speaker. “Latest Update to AHA/ACC Guidelines”. Qi Lu Hospital. Edwards. Jinan, Shandong
- Aug 2017 Speaker. “Latest Update to AHA/ACC Guidelines”. Jinan Provincial Hospital. Edwards. Jinan, Shandong
- Aug 2017 Speaker. “Latest Update to AHA/ACC Guidelines”. Affiliated Hospital of Zhengzhou University. Edwards. Jinan, Shandong
- Aug 2017 Moderator. “Adult Heart Diseases - Session II: Aortic Valvuloplasty”. China Heart Congress 2017. Beijing, China
- Aug 2017 Speaker. “Aortic root implantation: technical considerations”. China Heart Congress 2017. Beijing, China

- Aug 2017 Speaker. “Degenerative Mitral Regurgitation – How to repair”. China Heart Congress 2017.
Beijing, China
- Aug 2017 Speaker. “Current strategies for AVR: latest trends and innovation”.
Edwards Lunch Symposium. China Heart Congress 2017.
Beijing, China
- Aug 2017 Speaker. “Experience with Magna Ease Valve”. Edwards Dinner
Symposium. China Heart Congress 2017.
Beijing, China
- Aug 2017 Video Presentation. "Minimally Invasive Aortic Valve Replacement
Techniques". China Heart Congress 2017.
Beijing, China
- May 2018 Speaker. “My Experience with RDAVR”. Edwards Roadshow. Siriraj
Hospital and King Chulalongkorn Memorial Hospital.
Bangkok, Thailand
- May 2018 Speaker. “Update on Treatment Approach in Chronic Thromboembolic
Pulmonary Hypertension”. Edwards Roadshow. Phramongkutklao
Hospital.
Bangkok, Thailand
- May 2018 Speaker. “Changing Landscape of AVR and the Future”. STS Thailand
Annual Meeting.
Bangkok, Thailand
- May 2018 Speaker. “TAVR vs SAVR”. AATS Post-Graduate Session. 26th Annual
Meeting of the Asian Society for Cardiovascular and Thoracic Surgery
(ASCVTS 2018).
Moscow, Russia
- May 2018 Speaker. “Minimally-invasive AVR? Meet the Experts”. 26th Annual
Meeting of the Asian Society for Cardiovascular and Thoracic Surgery
(ASCVTS 2018).
Moscow, Russia
- May 2018 Speaker. “Chronic thromboembolic pulmonary hypertension (CTEPH)”. 21st
Century Cardiothoracic Surgical Society (21CCSS) Sessions.
Moscow, Russia
- Aug 2018 Speaker. “My experience with Edwards Intuity Elite”. Edwards Roadshow.
National Heart Center. Singapore.
Central Chest Institute of Thailand. Bangkok, Thailand

- Aug 2018 Speaker. “Minimally Invasive Valve Surgery: Techniques and Tips”. Edwards Roadshow. Ramathibodi Hospital. Bangkok, Thailand
- Aug 2018 Speaker. “Mini AVR and TAVR: How we select and treat the patients at Northwestern”. 19th International Heart Valve Disease Symposium. Seoul, Korea
- Aug 2018 Speaker. “How will we train the future young surgeons for transcatheter procedure?” 19th International Heart Valve Disease Symposium. Seoul, Korea
- Nov 2018 Speaker. “Current Status of TAVR for Aortic Stenosis”. AMICS Annual Meeting. Moscow, Russia
- Nov 2018 Speaker. “Use of Mechanical Circulatory Assistance for the Treatment of Heart Failure”. AMICS Annual Meeting. Moscow, Russia
- Nov 2018 Moderator. “Surgical Treatment of Heart Failure: New Horizons”. AMICS Annual Meeting. Moscow, Russia
- Dec 2018 Speaker. “Current AVR in era of TAVR”. Taipei Heart Valve Summit 2018. Taipei, Taiwan
- Dec 2018 Speaker. “Current Strategies for AVR: Rapid Deployment Technology”. Edwards Dinner Symposium. Taipei Heart Valve Summit 2018. Taipei, Taiwan
- July 2021 Speaker. “How to teach for young surgeons”. Japan Minimally Invasive Cardiac Surgery (J-MICS) Summit 2021. Virtual
- Oct 2021 Moderator. “STS Symposium at CMC”. Chinese Minimally Invasive Cardiovascular Surgery Congress 2021. Virtual.
- Nov 2021 Chairperson. “Transcatheter heart valve/MIS/Valve”. 30th Annual Congress of the Association of Thoracic and Cardiovascular Surgeons of Asia (ATCSA 2021). Virtual.
- Nov 2021 Speaker. “Approach, strategies, and valve choices for mini aortic valve and aortic root surgery”. 30th Annual Congress of the Association of Thoracic and Cardiovascular Surgeons of Asia (ATCSA 2021). Virtual

- Nov 2021 Speaker. “High Gradient After AVR: Prevention, diagnosis, and management”. 30th Annual Congress of the Association of Thoracic and Cardiovascular Surgeons of Asia (ATCSA 2021).
Virtual.
- Nov 2021 Speaker. "How Would I change my practice to preserve my patients' future options in the era of Valve-in-Valve?" Edwards Scientific Symposium: Lifetime Management of Aortic Stenosis Patient. 30th Annual Congress of the Association of Thoracic and Cardiovascular Surgeons of Asia (ATCSA 2021).
Virtual.
- Nov 2021 Speaker. “Surgical Treatment for Acute Type A Aortic Dissection: 2021 AATS Expert Consensus”. Sixth Annual International AMICS Conference.
Virtual.
- Nov 2021 Speaker. “Reconstructive Surgery of the Aortic Root and Aortic Valve”. Sixth Annual International AMICS Conference.
Virtual.
- Nov 2021 Expert Roundtable Discussion. “Ascending Aorta Surgery: Factors that Determine Aortic Valve Replacement vs Repair, David Procedure vs Bentall Procedure vs Aortic Homograft, and Total Arch vs Hemi- Arch”. Sixth Annual International AMICS Conference.
Virtual.
- Mar 2022 Speaker. “AS TAVI for intermediate-low risk patients”. 30th Annual Meeting of the Asian Society for Cardiovascular and Thoracic Surgery (ASCVTS 2022).
Virtual.
- Mar 2022 Moderator. “AATS PGC Aortic 1: Root and Arch (PGC-A1)”. 30th Annual Meeting of the Asian Society for Cardiovascular and Thoracic Surgery (ASCVTS 2022).
Virtual.
- Mar 2022 Moderator. “STS / ASCVTS Database Session – Adult Cardiac Surgery (DS-1)”. 30th Annual Meeting of the Asian Society for Cardiovascular and Thoracic Surgery (ASCVTS 2022).
Virtual.
- Apr 2022 Speaker. “CABG Helps People Live Longer”. 27th Cardiovascular Summit Transcatheter Cardiovascular Therapeutics Asia Pacific (TCTAP 2022).
Virtual.
- Aug 2022 Speaker. “Minimally Invasive Aortic Valve Replacement”. 70th Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand (CSANZ 2022).

Gold Coast, Australia.

- Aug 2022 Speaker. “Preserving the Bicuspid AV”. 70th Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand (CSANZ 2022). Gold Coast, Australia.
- Aug 2022 Speaker. “Pulmonary Thromboendarterectomy for Chronic Thromboembolic Pulmonary Hypertension”. 70th Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand (CSANZ 2022). Gold Coast, Australia.
- Oct 2022 Speaker. “Right-anterior mini-thoracotomy AVR – tips and tricks”. STS at CMC How I Do It Session. Chinese Minimally Invasive Cardiovascular Surgery Congress 2022. Virtual.
- Nov 2022 Keynote Speaker. “MICS for the Aortic Valve & Proximal Aorta: Experience with Right Anterior Thoracotomy”. Western Canadian Minimally Invasive Cardiac Surgery Conference 2022. Calgary, Canada.
- Nov 2022 Moderator. “Surgeons as Leaders for Mitral Valve Innovation: Round Table Discussion”. Western Canadian Minimally Invasive Cardiac Surgery Conference 2022. Calgary, Canada.

National:

- Mar 2009 Speaker. “Minimally-Invasive Aortic Valve Replacement”. Re-Evolution Summit. Houston Methodist Hospital. Houston, TX
- Nov 2009 Moderator. “Percutaneous Non-Coronary Interventions: Atrium, Valves and Septum”. American Heart Association (AHA) Scientific Sessions 2009. Orlando, FL
- Dec 2010 Speaker. “How I Developed a Transcatheter Heart Valve Therapies Team in an Academic Center”. Society of Thoracic Surgeons: Transcatheter Heart Valve Therapies Symposium. Chicago, IL
- Mar 2011 Speaker. “How to Develop a Collaborative Multidisciplinary Valve Clinic in the New Era of THV”. Society of Thoracic Surgeons: Transcatheter Heart Valve Therapies Symposium. San Diego, CA

- Jun 2011 Speaker. "Management of Vascular Complications During Transfemoral AVR". Society of Thoracic Surgeons: Transcatheter Heart Valve Therapies Symposium. San Diego, CA
- Nov 2011 Speaker. "Retrograde Dissection and Other TEVAR Complications". American Heart Association (AHA) Scientific Sessions 2011. Orlando, FL
- Sep 2012 Speaker. "Transcatheter Aortic Valve Replacement: Will This Become the Preferred Treatment of Aortic Stenosis?" The American College of Surgeons (ACS) Annual Clinical Congress 2012. Chicago, IL
- Oct 2012 Speaker. "My Preferred Approach to TAVR is Best for Patients Because ... Position 1: Trans-Apical Delivery is Easier and has Better Outcomes with Less Stroke". 10th Annual Vascular InterVentional Advances (VIVA). Las Vegas, NV
- Nov 2012 Speaker. "Trans-sternotomy Standard AVR Is and Always Will Be the Best Approach." American Heart Association (AHA) Scientific Sessions 2012. Los Angeles, CA
- Jan 2014 Table Instructor. "Course: TAVR/TEVAR, Guidewires and Sheaths." STS University Society of Thoracic Surgeons (STS) 50th Annual Meeting. Orlando, FL.
- Apr 2014 Speaker. "Future TAVR and Sutureless AVR Options". The Cardiac Team Approach to Cardiovascular Disease Conference. Nashville, TN.
- Nov 2014 Moderator. "Surgical Therapy for Valvular Heart Disease". American Heart Association (AHA) Scientific Sessions 2014. Chicago, IL
- Jan 2015 Table Instructor. "Course 1: TAVR/TEVAR, Guidewires, and Sheaths". STS University. Society of Thoracic Surgeons (STS) 51st Annual Meeting San Diego, CA
- Apr 2015 Speaker. "Perioperative Care Simultaneous Scientific Session". American Association for Thoracic Surgery (AATS) 95th Annual Meeting. Seattle, WA
- May 2015 Speaker. "Surgical Perspective: Cardiothoracic Surgery". American Society of Neurophysiological Monitoring (ASNM) Annual Meeting 2015. Chicago, IL
- Aug 2015 Speaker. "Aortic Surgery – What are the Options? / Loeys Dietz 101 & Surgery". The Marfan Foundation: 31st Annual Family Conference.

- Chicago, IL
- Oct 2015 Speaker. “2015 Cardiothoracic Surgery in the Future Course”. American College of Surgeons (ACS) Clinical Congress 2015.
Chicago, IL
- Jan 2016 Moderator. AC III Adult Cardiac Track III: Aortic Valve and Aortic Disease. Society of Thoracic Surgeons (STS) 52nd Annual Meeting.
Phoenix, AZ
- Jan 2016 Table Instructor. “Essentials of TAVR”. STS University Course 01. Society of Thoracic Surgeons (STS) 52nd Annual Meeting.
Phoenix, AZ
- Mar 2016 Speaker. “Hybrid Approach to Valve Replacement”. Cardiology Grand Rounds. Einstein Medical Center.
Philadelphia, PA
- May 2016 Discussant. Aortic/Endovascular Surgery Simultaneous Scientific Session, Paper #60. American Association for Thoracic Surgery (AATS) 96th Annual Meeting.
Baltimore, MD
- Sep 2016 Speaker. “The role of 4DMR in surgery of the thoracic aorta”. Society for Magnetic Resonance Angiography (SMRA) 28th Annual International Conference.
Chicago, IL
- Nov 2016 Speaker. “Aspirin and Plavix for Mechanical Aortic Valves: Will It Always Be the Future?” American Heart Association (AHA) Scientific Sessions 2016.
New Orleans, LA
- Jan 2017 Table Instructor. “Essentials of TAVR”. Society of Thoracic Surgeons (STS) 53rd Annual Meeting.
Houston, TX
- Nov 2017 Speaker. “Patient Selection Dos and Don’ts”. Edwards 2017 Fellows Program.
Irvine, CA.
- Nov 2017 Speaker. “Rapid Deployment Valves Overview”. Edwards 2017 Fellows Program.
Irvine, CA.
- Nov 2017 Speaker. “Transcatheter Technologies”. Edwards 2017 Fellows Program.
Irvine, CA.

- Nov 2017 Speaker. "Tricuspid Valve – Fix it or Forget it?" Edwards 2017 Fellows Program.
Irvine, CA.
- Nov 2017 Speaker. "What is the Optimal Path of Training for Trans-catheter Valves?" American Heart Association (AHA) Scientific Sessions 2017.
Anaheim, CA
- Dec 2017 Speaker. "Chronic Thromboembolic Pulmonary Hypertension (CTEPH) Epidemiology, Diagnosis and Treatment". North Shore Hospital CV Grand Rounds.
Manhasset, NY
- Apr 2018 Moderator. "Section III Aortic Valve Disease". American Association for Thoracic Surgery (AATS) 98th Annual Meeting.
San Diego, CA
- Apr 2018 Speaker. "The Changing Management of AS: Which Patients Should Still Have Surgery in 2018". American Association for Thoracic Surgery (AATS) 98th Annual Meeting.
San Diego, CA
- Apr 2018 Discussant. "In the endovascular era is elective open aortic arch surgery in elderly patient greater than or equal to 75 years of age, still justified?" American Association for Thoracic Surgery (AATS) 98th Annual Meeting.
San Diego, CA
- Jul 2018 Speaker. "I wish you had sent this patient to surgery". Cardiovascular Innovations (CVI) Conference 2018.
Denver, CO
- Jul 2018 Speaker. "Cardiac Surgery Participation is Essential for a Successful Transcatheter Mitral Program". Cardiovascular Innovations (CVI) Conference 2018.
Denver, CO
- Jul 2018 Speaker. "What's needed to get surgical-like results with transcatheter therapy?" Cardiovascular Innovations (CVI) Conference 2018.
Denver, CO
- Oct 2018 Speaker. "Aortic Stenosis: Surviving Until Treatment". Edwards TAVR Leadership Series.
Denver, CO
- Nov 2018 Discussant. Surgical Transcatheter Interventions Breakout. Southern Thoracic Surgical Association (STSA) 65th Annual Meeting
Amelia Island, FL

- Jan 2019 Speaker. “Extended Total Arch Reconstruction is the New Gold Standard for All Type I Dissection”. Society of Thoracic Surgeons (STS) 55th Annual Meeting.
San Diego, CA
- Jan 2020 Speaker. “The Role of Rapid Deployment Surgical Aortic Valve Replacement in 2020”. Society of Thoracic Surgeons (STS) 56th Annual Meeting.
New Orleans, LA
- Feb 2020 Speaker. “Role of sAVR after the risk trials and updates from US TVT Registry”. 28th Annual Meeting of the Asian Society for Cardiovascular and Thoracic Surgery (ASCVTS 2020).
Chiang Mai, Thailand
- Apr 2020 Speaker. “Adult Cardiac CAD”. American Association for Thoracic Surgery (AATS) 100th Annual Meeting: A Virtual Learning Experience.
Virtual
- Jan 2021 Moderator. “Catheter and Surgical Therapies for Atrial Fibrillation and Left Atrial Appendage”. Society of Thoracic Surgeons (STS) 57th Annual Meeting.
Virtual
- Jan 2021 Panelist. “Deep Dive into Valve-Sparing Aortic Root Procedure – Reimplantation”. Society of Thoracic Surgeons (STS) 57th Annual Meeting.
Virtual
- Jan 2021 Moderator. “Heart Team Approach to Complex Valvular Heart Disease – Aortic Bioprosthesis with Structural Valve Degeneration”. Society of Thoracic Surgeons (STS) 57th Annual Meeting.
Virtual
- Jan 2021 Speaker. “Introduction and Case Scenario – Failing Bioprosthetic Surgical Valve in Low-Risk Patient Requiring Aortic VIV vs. Reoperative AVR”. Society of Thoracic Surgeons (STS) 57th Annual Meeting.
Virtual
- Apr 2021 Panelist. “Aortic Symposium 3: Dissection”. AATS Aortic Symposium. American Association for Thoracic Surgeons (AATS) 101st Annual Meeting.
Virtual
- May 2021 Speaker. “Aortic Dissection Guidelines”. American Association for Thoracic Surgeons (AATS) 101st Annual Meeting.
Virtual
- May 2021 Discussant. “27 Year Odyssey with T. David Valve-Sparing Aortic Root Replacement in 577 Patients”. American Association for Thoracic Surgeons (AATS) 101st Annual Meeting.

	Virtual
May 2021	“Key Take-Aways: Acute Type A Aortic Dissection – Expert Consensus Document” AATS Annual Meeting 2021. Virtual
Oct 2021	Speaker. “Lifetime Valve Management in Young AVR Patients,” Heart Valve Insights Summit. Las Vegas, NV
Nov 2021	“One Valve for Life vs. A Lifetime of Valves”. CryoLife Breakfast Symposium. Southern Thoracic Surgical Association (STSA) 68 th Annual Meeting. Atlanta, GA
Nov 2021	Discussant. “Aortic Valve Repair Decreases Risks of Valve-Related Events In Aortic Insufficiency At 10 Years: A Propensity Score-Matched Analysis”. Southern Thoracic Surgical Association (STSA) 68 th Annual Meeting. Atlanta, GA
Nov 2021	Speaker. “Cardiac Surgeon’s Perspective on AVR Patient Lifetime Management”. Edwards Lifetime Management of AVR Patients: An Interactive Video Learning Session. Atlanta, GA
Jan 2022	Moderator. “ASCVTS at STS: Focus on OPCAB, FMR, ATAAD”. Society of Thoracic Surgeons (STS) 58 th Annual Meeting. Virtual
Jan 2022	Moderator. “The World of Wires: Transcatheter Technologies”. Society of Thoracic Surgeons (STS) 58 th Annual Meeting. Virtual
Jan 2022	Moderator. “Strategies for the Aortic Arch; Unique Approaches for Open Surgical, TEVAR, and Debranching”. Terumo Aortic Industry Symposia. Society of Thoracic Surgeons (STS) 58 th Annual Meeting. Atlanta, GA
Mar 2022	Speaker. “25-Year-Old with AUV-AI (without aortopathy?) Timing of intervention, type of intervention”. 2022 Heart Valve Society’s Scientific Annual Meeting. Miami Beach, FL
Mar 2022	Speaker. “Aortic Valve Repair Using Annuloplasty Ring”. 14 th Annual Houston Aortic Symposium. Miami Beach, FL
Apr 2022	Speaker. “Debate: Surgical Management of Left Main CAD”. American College of Cardiology (ACC) 71 st Annual Scientific Session and Expo. Washington, DC

- May 2022 Discussant. “Valve-Sparing Root Replacement Combined with Cusp Repair for the Treatment of Isolated Aortic Regurgitation in a Reference Center: A Near 100% Repair Rate”. Gu, Tianxiang. American Association for Thoracic Surgeons (AATS) 102nd Annual Meeting. Boston, MA
- July 2022 Speaker. “Marfan 101”. Marfan Foundation 2022 Annual Conference. Newport Beach, CA
- Aug 2022 Speaker. “Reimplantation Technique for BAV AI with Root Aneurysm”. AATS Global Grand Rounds – Adult Cardiac Webinar. Virtual
- Sep 2022 Speaker. “Honorary Surgical Anatomy Lecture: Classification of Bicuspid Aortic Valve Insufficiency”. 5th North American Aortic Valve Repair Symposium. University of Pennsylvania. Philadelphia, PA
- Sep 2022 Panelist. “Video Session: BAV Repair Techniques”. 5th North American Aortic Valve Repair Symposium. University of Pennsylvania. Philadelphia, PA
- Sep 2022 Panelist. “Session VII: Working Lunch – ‘The Valve Leaks, What Do I Do?’” 5th North American Aortic Valve Repair Symposium. University of Pennsylvania. Philadelphia, PA
- Oct 2022 Speaker. “Revascularization Guidelines: Did they get it right? – Surgical and Cardiology Perspective”. 4th Annual Heart Team Summit. Northwestern University. St. Louis, MO
- Oct 2022 Speaker. “Considerations for Bicuspid Implantation using Intuity”. 2nd Annual Sutureless Summit: Technical Considerations for and Advanced Applications of Sutureless Aortic Valves. Maine Medical Center. Portland, ME
- Oct 2022 Moderator. “Intuity Implant (Live Case #2 from Alabama)”. 2nd Annual Sutureless Summit: Technical Considerations for and Advanced Applications of Sutureless Aortic Valves. Maine Medical Center. Portland, ME
- Oct 2022 Speaker. “US Experience with Rapid Deployment Valves”. 2nd Annual Sutureless Summit: Technical Considerations for and Advanced Applications of Sutureless Aortic Valves. Maine Medical Center. Portland, ME

Oct 2022 Moderator. “Rapid Video Case Presentations”. 2nd Annual Sutureless Summit: Technical Considerations for and Advanced Applications of Sutureless Aortic Valves. Maine Medical Center. Portland, ME

B. REGIONAL

May 2008 Marfan Syndrome – Case Presentations. St. Alexius Cardiology Grand Rounds. St. Alexius Medical Center. Hoffman Estates, Illinois

Aug 2008 Update on Aortic Stenosis: What will be the role of Transcatheter Heart Valves? St. Joseph Hospital Grand Rounds. St. Joseph Hospital. Chicago, Illinois

Feb 2009 Update on Aortic Stenosis: Role of Transcatheter Heart Valves. Grand Rounds. St Mary of Nazareth Medical Center. Chicago, Illinois

Feb 2009 Update on Aortic Stenosis: Role of Transcatheter Heart Valves. Cardiology Grand Rounds. Lagrange Memorial Hospital. Lagrange, Illinois

Sept 2009 Will Percutaneous AVR Affect Referrals for AS? The Problem of Unoperated AS. St. James Hospital Grand Rounds. Olympia Fields, Illinois

Oct 2010 Percutaneous Approach to Valvular Disorders: A Surgeon’s Perspective. Heartcare Midwest 17th Annual Cardiovascular Symposium. Peoria, Illinois

Dec 2010 Speaker. “Aortic Valve Replacement with Severe LV Dysfunction”. Sixth Annual Heart Failure Holiday Symposium. Northwestern University. Chicago, IL

Oct 2011 Current Status and Potential Future of TAVI. 12th annual Cardiovascular Symposium: Cardiology for the Primary Care Practitioner and Nurses. Heartland Education & Research Foundation. Joliet, Illinois

Dec 2011 Speaker. “Standard and Transcatheter Options for Aortic Stenosis, Aortic Insufficiency and LV Dysfunction”. Seventh Annual Heart Failure Holiday Symposium. Northwestern University. Chicago, IL

- Dec 2011 Moderator. TAAA1 Session: Management of Adult Coarctation. 35th Annual Northwestern University Vascular Symposium. Northwestern University. Chicago, IL
- Oct 2012 Speaker. “Traditional Surgical Treatment of Aortic Stenosis and Diseases of the Aorta”. 34th Annual Echo Northwestern Conference. Northwestern University. Chicago, IL
- Jan 2013 Is TAVI Appropriate for AS Patients with Intermediate Risk? St. Francis Hospital Grand Rounds
Evanston, Illinois
- Apr 2013 Current Treatment for Aortic Stenosis: Trending Technology. Interventional Cardiology CME Lecture at St. Joe’s Hospital. Chicago, Illinois.
- Jun 2013 A case-based discussion of hemodynamic support for high risk PCI and refractory cardiogenic shock. Advanced Percutaneous Hemodynamic Support Symposium. South Barrington, Illinois.
- Sep 2013 A case-based discussion of hemodynamic support for high risk PCI and refractory cardiogenic shock. Advanced Percutaneous Hemodynamic Support Symposium. Rockford, Illinois.
- Nov 2013 Adult interventions for BAV. The ABCs of BAV at Lurie Children’s Hospital. Chicago, IL.
- Dec 2013 Speaker. “Transcatheter therapies for aortic and mitral valve disease”. The Ninth Annual Heart Failure Holiday Symposium. Northwestern University. Chicago, IL.
- Dec 2013 Surgical management of aortic root disease. CME Lecture at Kishwaukee Community Hospital. DeKalb, Illinois.
- Jul 2014 Speaker. “Bicuspid Aortic Disease – New Imaging: New Approaches”. Third Annual Chicago Cardiovascular Update. Northwestern University. Chicago, IL.
- Sep 2014 Transapical/Transaortic TAVR and Managing Difficult Situations. Edwards Lifesciences. Elkhart, Indiana

- Sep 2014 Valvular Heart Disease in Heart Failure. Cardiovascular Symposium 2014: Care at the Crossroads. Methodist CME Cardiovascular Conference. Merrillville, Indiana
- Nov 2014 Case-Based Coronary & Structural Heart Intervention Update Chicago (CSI). Alternative Access TAVR. Chicago, Illinois
- Dec 2014 Tenth Annual Heart Failure Holiday Symposium. Aortic Valve Replacement in Low EF. Northwestern Medicine. Chicago, Illinois
- Dec 2014 Moderator. Thoracic/Thoracoabdominal Disease. 39th Annual Northwestern Vascular Symposium. Northwestern University Feinberg School of Medicine. Chicago, Illinois
- May 2015 Marfan Syndrome: Surgical Treatment of the Aortic Root and Ascending Aorta. 27th Annual William E. Van Fleit, MD Symposium for Cardiovascular Medical Education. Mishawaka, IN
- Jun 2015 A Programmatic Approach to Aortic Stenosis. Midwest Valve Symposium. Edwards. Chicago, IL
- Aug 2015 Organizational Sustainability Between Generations. The 2015 Samakee Summit. Thai Americans for the Future. Chicago, IL
- Oct 2015 Surgical Perspectives on Structural Heart Disease – Transcatheter Aortic Valve Replacement. 2nd Annual Cardiovascular Symposium 2015: Care at the Crossroads. Methodist Cardiovascular Symposium. Merrillville, IN
- Nov 2015 Panelist. Structural Heart Intervention Symposium. 2nd Annual Chicago Case-Based Coronary and Structural Heart Intervention. Northwestern Medicine. Chicago, IL
- Dec 2015 Speaker. “Transcatheter Mitral Valve Replacement: The Next Frontier?” 11th Annual Heart Failure Holiday Symposium. Northwestern Medicine. Chicago, IL
- Jan 2016 Ascending TEVAR. Prairie Cardiovascular Consultants, LTD Fellowship Journal Club and Bolton Medical. Springfield, IL

- Jan 2016 Type B Aortic Dissection. Prairie Cardiovascular Consultants, LTD. Cardiovascular Conference Grand Rounds. Springfield, IL
- Apr 2016 Introduction on TEVRS. Bolton Medical. Racine, WI
- May 2016 Surgical Approach to Heart Failure. Heart Failure Symposium 2016. Northwest Indiana Heart and Vascular at Methodist Hospitals. Merrillville, IN
- July 2016 The role of hypothermic circulatory arrest in pulmonary thromboendarterectomy. 4th Annual Midsummer Chicagoland Perfusion Meeting. Ann and Robert H. Lurie Children's Hospital of Chicago. Chicago, IL
- Aug 2016 Speaker. "Pulmonary hypertension and chronic pulmonary thromboembolism". First Annual Advances in Pulmonary Hypertension Symposium. Northwestern University. Chicago, IL
- Sep 2016 "Valve in Valve Percutaneous Mitral Valve Replacement". 3rd Annual Chicago CSI Case-Based Coronary and Structural Heart Intervention (CSI) Update. Northwestern Medicine. Chicago, IL
- Dec 2016 Mitral Regurgitation Options – A surgical perspective. Abbott Vascular. Chicago, IL
- Dec 2016 Speaker. "Valve Surgery for Heart Failure: Surgical Techniques and Percutaneous Options". 12th Annual Heart Failure Holiday Symposium. Northwestern University. Chicago, IL
- May 2017 "Mitral Regurgitation & Mitraclip; Anatomy and Indications". MitraClip NT Course 101. Abbott Vascular. Chicago, IL
- Aug 2017 "Marfan". Central DuPage Hospital Grand Rounds. Winfield, IL
- Aug 2017 Speaker. "Interventional options for treating chronic thromboembolic pulmonary hypertension". Second Annual Advances in Pulmonary Hypertension Symposium. Northwestern University. Chicago, IL
- Sept 2017 "Percutaneous Mitral Valve Replacement - Where are we?" 4th Annual Case-Based Coronary & Structural Heart Intervention Update. Northwestern University Chicago, IL

- Oct 2017 “Best Approach and Techniques for DMR – My Way”. Midwest Valve Symposium. Edwards. Chicago, IL
- Oct 2017 “Artificial Chords – How to Get It Right”. Midwest Valve Symposium. Edwards. Chicago, IL
- Oct 2017 “Role of Rapid Deployment Valves”. Midwest Valve Symposium. Edwards. Chicago, IL
- Oct 2017 “Minimally Invasive AVR – How and Why”. Midwest Valve Symposium. Edwards. Chicago, IL
- Oct 2017 “Homografts for Aortic Disease – Do We Need Them?” Midwest Valve Symposium. Edwards. Chicago, IL
- Oct 2017 “Aortic Endocarditis – What’s the Best Treatment?” Midwest Valve Symposium. Edwards. Chicago, IL
- Nov 2017 “Anatomy and Indications”. Course 101. Abbott. Chicago, IL
- Dec 2017 Speaker. "Chronic Thromboembolic Pulmonary Hypertension (CTEPH) Epidemiology, Diagnosis and Treatment". 13th Annual Heart Failure Holiday Symposium. Northwestern University. Chicago, IL
- Mar 2018 “Aortic surgery: Marfan syndrome & other connective tissue disorders”. Marfan Conference. Northwestern Medicine and Lurie Children’s’. Chicago, IL
- March 2018 Moderator – Physician Panel I. Marfan Conference. Northwestern Medicine and Lurie Children’s. Chicago, IL
- June 2018 “Advanced Mitral Repair Techniques – Endocarditis”. Midwest Valve Symposium. Edwards. Chicago, IL
- June 2018 Debater. “Tissue vs. Mechanical for Younger Patients”. Midwest Valve Symposium. Edwards. Chicago, IL

- June 2018 “A Programmatic Approach to Aortic Stenosis – Bicuspid Aortic Valve Disease.” Midwest Valve Symposium. Edwards. Chicago, IL
- June 2018 “TAVR – Experience and Economics”. Midwest Valve Symposium. Edwards. Chicago, IL
- June 2018 “MIVS Mitral Repair – Right Thoracotomy”. Midwest Valve Symposium. Edwards. Chicago, IL
- June 2018 “Mitral Repair or Replace? Myxomatous, Barlow’s and Beyond. Midwest Valve Symposium. Edwards. Chicago, IL
- Jul 2018 Speaker. “Percutaneous Valve Therapies – Future Directions”. 7th Annual Chicago Cardiovascular Update Meeting. Northwestern University. Chicago, IL
- Jul 2018 Panelist. Case Presentations with MOV Questions and Panel Discussion. 7th Annual Chicago Cardiovascular Update Meeting. Northwestern University. Chicago, IL
- Aug 2018 Speaker. “CTEPH: Pulmonary Endarterectomy”. Advances in Pulmonary Hypertension Conference 2018. Northwestern University. Chicago, IL
- Sep 2018 Speaker. “Novel Surgical Treatment of Aortic Valve Disorders”. 40th Annual Echo Northwestern Conference. Northwestern University. Chicago, IL
- Sept 2018 Panelist. Northwestern’s 5th Annual Pulmonary and Critical Care Medicine Symposium. Northwestern University. Chicago, IL
- Oct 2018 Panelist. 5th Annual Chicago Case-Based Coronary and Structural Heart Intervention Update (CSI). Northwestern University. Chicago, IL
- Nov 2018 Speaker “SAVR and TAVR Updates for Low EF AS and AI” 14th Annual Heart Failure Holiday Symposium. Northwestern University. Chicago, IL
- Dec 2018 Speaker. “Open Pulmonary Embolectomy: When Is It Indicated and How Is It Done?” 43rd Annual Northwestern Vascular Symposium. Northwestern University. Chicago, IL

- Feb 2019 Speaker. “Pulmonary Embolectomy for Acute PE”. Chicagoland Perfusion Foundation Meeting. Lurie Children’s Hospital. Chicago, IL
- Aug 2021 Speaker. “Aortic Stenosis with AF: Do we need a TAVR or SAVR/AF Ablation Trial?”. Third Annual Catheter and Surgical Therapies for Atrial Fibrillation (CAST-AF) Conference. Northwestern University. Chicago, IL
- Aug 2021 Speaker. “Potential Negative Effects of LAA Occlusion”. Third Annual Catheter and Surgical Therapies for Atrial Fibrillation (CAST-AF) Conference. Northwestern University. Chicago, IL
- Dec 2021 Live Case Discussant. “Aortic Stenosis – Out with the old, in with the new?” Third Annual Heart Team Summit. Northwestern University. Chicago, IL
- Apr 2022 Program Director & Moderator. Minimally Invasive Valve Surgery Symposium. Artivion, ELITE Educational Experience. Chicago, IL
- Apr 2022 Speaker. “Minimally Invasive Aortic Valve Replacement Using a Right Anterior Thoracotomy (RAT) Technique”. Minimally Invasive Valve Surgery Symposium. Artivion, ELITE Educational Experience. Chicago, IL
- Aug 2022 Speaker. “Aortic Stenosis and Atrial Fibrillation”. Fourth Annual Catheter and Surgical Therapies for Atrial Fibrillation (CAST-AF) Conference. Northwestern University. Chicago, IL
- Aug 2022 Panelist. “Session 3: EPs and Surgeons Together Again”. Fourth Annual Catheter and Surgical Therapies for Atrial Fibrillation (CAST-AF) Conference. Northwestern University. Chicago, IL

C. LOCAL (NORTHWESTERN UNIVERSITY)

- April 2008 Update on cardiovascular management of Marfan Syndrome. Center for Heart Valve Disease Meeting. Northwestern Memorial Hospital. Chicago, Illinois
- Sept 2008 Transcatheter Heart Valves: Options for Aortic Stenosis. Northwestern University Grand Rounds. Chicago, Illinois

- Aug 2009 Cardiac Surgery: AV & Root. Cardiology Fellow Orientation Lectures/Core Curriculum. Bluhm Cardiovascular Institute. Northwestern Memorial Hospital. Chicago, Illinois
- Sept 2009 Update on the Partners Trial. Center for Heart Valve Disease Meeting. Bluhm Cardiovascular Institute. Northwestern Memorial Hospital. Chicago, Illinois
- Oct 2011 Advances in Aortic Root Disease Surgery. The Arthur C. Nielsen, Jr. Vascular Symposium: Perspectives in Vascular Disease 2011. Chicago, Illinois
- Mar 2013 Trending Technology and Advances in Surgical Treatment for Atrial Fibrillation. The Beat on Atrial Fibrillation Seminar, Northwestern Memorial Hospital. Chicago, Illinois
- Mar 2013 Transcatheter Heart Valve for Treatment of Aortic Stenosis. Arthur C. Nielsen, Jr. Vascular Symposium. Chicago, Illinois.
- May 2013 Aortic Dissections: Ascending and Descending. Vascular Interdisciplinary Clinical Rounds. Bluhm Cardiovascular Institute of Northwestern Memorial Hospital's Center Vascular Disease. Chicago, Illinois.
- July 2014 M3 Surgery Clerkship Lecture. Northwestern University. Chicago, Illinois
- Aug 2014 Cardiac Surgery: AV and Root. CVD Fellow Bootcamp Chicago, Illinois
- Sept 2014 M3 Surgery Clerkship Lecture. Northwestern University. Chicago, Illinois
- Jan 2015 M3 Surgery Clerkship Lecture. Northwestern University. Chicago, Illinois
- Mar 2015 CAD. M3 Surgery Clerkship Lecture. Northwestern University. Chicago, Illinois
- Mar 2015 Moderator. Marfan Syndrome. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, Illinois
- Mar 2015 Discussant. Mitral Clip- Surgical Issues. Cardiology Valve Conference. Northwestern University. Chicago, Illinois

- Apr 2015 Moderator. Arch Aneurysm. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, Illinois
- Apr 2015 Moderator. Simulation Lab experience on Coronary Anastomosis. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, Illinois
- June 2015 Moderator. How Do I Pick A Stent? Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, Illinois
- July 2015 CAD. M3 Surgery Clerkship Lecture. Northwestern University. Chicago, Illinois
- Sept 2015 CAD. M3 Surgery Clerkship Lecture. Northwestern University. Chicago, Illinois
- Sept 2015 Moderator. Aortic Insufficiency – Anatomy, Physiology, Evaluation, When to Operate. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, Illinois
- Oct 2015 Moderator. Aortic Valve Repair Techniques. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, Illinois
- Nov 2015 Moderator. TAVR. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, Illinois
- Dec 2015 Mended Hearts Lecture. “Heart Valve Replacement without the Surgery”. Northwestern Medicine. Chicago, Illinois
- Jan 2016 Moderator. Mitral Stenosis. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, Illinois
- Jan 2016 CAD. M3 Surgery Clerkship Lecture. Northwestern University. Chicago, Illinois
- Mar 2016 Moderator. Tricuspid Valve Disease. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, IL
- May 2016 CAD. M3 Surgery Clerkship Lecture. Northwestern University.

Chicago, Illinois

- May 2016 Moderator. Medical Tx of a fib. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University.
Chicago, IL
- Aug 2016 CAD. M3 Surgery Clerkship Lecture. Northwestern University.
Chicago, Illinois
- Sept 2016 CAD. M3 Surgery Clerkship Lecture. Northwestern University.
Chicago, Illinois
- Sept 2016 Moderator. Side effects of cardiopulmonary bypass. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University.
Chicago, IL
- Oct 2016 Moderator. Indications for CABG, medical therapy for ischemic heart disease. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University.
Chicago, IL
- Nov 2016 CAD. M3 Surgery Clerkship Lecture. Northwestern University.
Chicago, Illinois
- Jan 2017 Moderator. Acute MI. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University.
Chicago, IL
- Feb 2017 CAD. M3 Surgery Clerkship Lecture. Northwestern University.
Chicago, Illinois
- Feb 2017 Cardiovascular Management of Marfan Syndrome. LFH
Cardiology Grand Rounds. Northwestern Medicine.
Lake Forest, IL
- Apr 2017 CAD. M3 Surgery Clerkship Lecture. Northwestern University.
Chicago, Illinois
- Apr 2017 “Type A dissections and arch reconstructions” Vascular Teaching Conference. Northwestern University.
Chicago, IL
- June 2017 Moderator. “TMR”. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University.
Chicago, IL
- June 2017 CAD. M3 Surgery Clerkship Lecture. Northwestern University.
Chicago, Illinois

- Aug 2017 Moderator. “Temporary Pacers”. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, IL
- Oct 2017 CAD. M3 Surgery Clerkship Lecture. Northwestern University. Chicago, Illinois
- Nov 2017 CAD. M3 Surgery Clerkship Lecture. Northwestern University. Chicago, Illinois
- Dec 2017 Surgery for BAV: Exceptionally Safe. BAV CME Event. Northwestern University. Central DuPage Hospital. Winfield, IL
- Feb 2018 CAD. M3 Surgery Clerkship Lecture. Northwestern University. Chicago, Illinois
- Feb 2018 “Surgical procedures and outcomes in BAV patients”. Cardiology Grand Rounds. Northwestern University. Chicago, IL
- Mar 2018 Moderator. “Type B Dissection”. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, IL
- Mar 2018 Moderator. “Arch Aneurysm”. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, IL
- Apr 2018 CAD. M3 Surgery Clerkship Lecture. Northwestern University. Chicago, Illinois
- Apr 2018 Moderator. “Thoracoabdominal Aneurysm”. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, IL
- Apr 2018 “Pulmonary thromboendarterectomy”. Cardiothoracic Surgery Residents and Mid-Level Providers Conference. Northwestern University. Chicago, IL
- Oct 2018 “CTEPH” Department of Surgery Grand Rounds. Northwestern University. Chicago, IL
- Jan 2019 “Aortic Arch Reconstruction Strategies and Management of Aortic Dissections”. Vascular Conference. Northwestern University. Chicago, IL

PUBLICATIONS AND SCHOLARLY WORK:

A. PEER REVIEWED ORIGINAL INVESTIGATIONS

1. **Malaisrie SC**, Malekzadeh S, Biedlingmaier JF. In vivo analysis of bacterial biofilm formation on facial plastic bioimplants. *Laryngoscope*. 1998 Nov;108(11 Pt 1):1733-6.
2. Giroto JA, **Malaisrie SC**, Bulkely G, Manson PN. Recurrent ventral herniation in Ehlers-Danlos syndrome. *Plast Reconstr Surg*. 2000 Dec;106(7):1520-6.
3. **Malaisrie SC**, Untch B, Aranha GV, Mohideen N, Hantel A, Pickelman J. Neoadjuvant chemoradiotherapy for locally advanced esophageal cancer: experience at a single institution. *Arch Surg*. 2004 May;139(5):532-8.
4. Patel J, Miller BC, **Malaisrie CS**, Garrity E, Gamelli RL, Vigneswaran WT. Intra-abdominal complications following lung transplantation. *Am J Transplant*. May 2005;(5)347.
5. **Malaisrie SC**, Hofstetter WL, Correa AM, Ajani JA, Komaki RR, Liao Z, Phan A, Rice DC, Vaporciyan AA, Walsh GL, Lahoti S, Lee JH, Bresalier R, Roth JA, Swisher SG. Endoscopic ultrasonography-identified celiac adenopathy remains a poor prognostic factor despite preoperative chemoradiotherapy in esophageal adenocarcinoma. *J Thorac Cardiovasc Surg*. 2006 Jan;131(1):65-72.
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10. **Malaisrie SC**, Pelletier MP, Yun JJ, Sharma K, Timek TA, Rosenthal DN, Wright GE, Robbins RC, Reitz BA. Pneumatic paracorporeal ventricular assist device in infants and children: initial Stanford experience. *J Heart Lung Transplant*. 2008 Feb;27(2):173-7.
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12. **Malaisrie SC**, M McCarthy PM, McGee EM, Lee R, Rigolin V, Davidson CJ, Rajamannan NM, Bonow RO. Contemporary perioperative results of isolated aortic valve replacement for aortic stenosis: Implications for transcatheter aortic valve implantation. *Circulation*. 28 Oct 2008; 118(18):S703-S703.
13. **Malaisrie SC**, Yip B, Danielson DS, Carr J, Mikati I, McGee EC, Lee R, McCarthy PM. Preoperative identification of bicuspid aortic valves: Cardiac magnetic resonance imaging versus two-dimensional echocardiography. *J Am Coll Cardiol*. 10 Mar 2009; 53(10):A282-A282.

14. Grady KL, Lee R, Ius HS, **Malaisrie SC**, McGee EC, Kruse J, Goldberger J, McCarthy PM. Quality of life before and after isolated cardiac surgery: Does the MAZE procedure offer the greatest improvement? *J Am Coll Cardiol.* 10 Mar 2009; 53(10):A403-A403.
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18. **Malaisrie SC**, Kubasiak J, Bonow RO, McGee EC, Lee R, Maganti K, Taday E, Lapin B, McCarthy PM. Aortic valve replacement is associated with increased survival in asymptomatic patients with severe aortic stenosis. *Circulation.* 23 Nov 2010; 122(21).
19. Grady KL, Lee R, Subacius H, **Malaisrie SC**, McGee EC Jr, Kruse J, Goldberger JJ, McCarthy PM. Improvements in health-related quality of life before and after isolated cardiac operations. *Ann Thorac Surg.* 2011 Mar;91(3):777-83.
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- year outcomes after transcatheter or surgical aortic-valve replacement. *N Engl J Med.* 2012 May 3;366(18):1686-95.
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C. BOOKS AND BOOK CHAPTERS

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G. ABSTRACTS

a. Oral Abstract Presentations

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 38. B. Allen*, **S. Chris Malaisrie**, et al. 4D Flow MRI Improves Dissection Flap Fenestration Detection and Characterization in Type B Aortic Dissection. RSNA 2018 Conference. Nov. 2018. Chicago, IL
 39. V. Thouranai*, **SC Malaisrie**, et al. Association of Volume and Outcomes in 234,556 Patients undergoing Surgical Aortic Valve Replacement in North America: A Society of Thoracic Surgeons Adult Cardiac Surgery Database Analysis. STS 55th Annual Meeting. San Diego, CA. Jan 2019.
 40. M. Elbaza*, **SC Malaisrie**, et al. 4D Flow v Cath: A novel virtual catheter technique for assessing hemodynamics in aortic valve disease. SCMR 22nd Annual Scientific Sessions Conference. Feb. 2019. Bellevue, Washington.
 41. Bahira Shahim, S. Chris Malaisrie, Isaac George, Vinod H. Thourani, Angelo B Biviano, Mark Russo, David L. Brown, Vasilis Babaliaros, Robert A. Guyton, Susheel K Kodali, Tamim M. Nazif, James M. McCabe, Mathew Williams, Philippe Genereux, Michael Lu, Xiao Yu, Maria Alu, John G Webb, Michael J Mack, Martin B. Leon, Ioanna Kosmidou, Impact of Preexisting Atrial fibrillation on Clinical Outcomes After Transcatheter or Surgical Aortic Valve Replacement for Severe AS: an analysis from the PARTNER 3 trial. Atrial Fibrillation and TAVR or SAVR

b. Poster Presentations

1. **Malaisrie SC***, M McCarthy PM, McGee EM, Lee R, Rigolin V, Davidson CJ, Rajamannan NM, Bonow RO. Contemporary perioperative results of isolated aortic valve replacement for aortic stenosis: Implications for transcatheter aortic valve implantation. *Circulation*. 28 Oct 2008; 118: A2307. 81st Annual Scientific Session of the American Heart Association. New Orleans, LA

2. **Malaisrie SC***, Yip B, Danielson DS, Carr J, Mikati I, McGee EC, Lee R, McCarthy PM. Preoperative identification of bicuspid aortic valves: Cardiac magnetic resonance imaging versus two-dimensional echocardiography. *J Am Coll Cardiol.* 10 Mar 2009; 53(10):A282-A282. 58th Annual Scientific Session of the American College of Cardiology. Orlando, Florida. Mar 2009.
3. **Malaisrie, SC***, et al. Quality of life before and after isolated cardiac surgery: Does the MAZE procedure offer the greatest improvement? (Poster Presentation) 58th Annual Scientific Session of the American College of Cardiology.
4. **Malaisrie, SC***, et al. Successful Transcatheter Aortic Valve Implantation in a
5. **Malaisrie, SC***, et al. Management of the Distal Ascending Aorta during Aortic Root Replacement. American Association for Thoracic Surgery – Aortic Symposium. May 2010. New York City, New York
6. Tempelhof M, Beohar N, **Malaisrie SC***, McCarthy P, Davidson C. Balloon aortic valvuloplasty as a bridging therapy to aortic valve replacement or transcatheter aortic valve implantation. *J Am Coll Cardiol.* 2011 Nov 8; 58(20):B199-B199. 23rd Annual Transcatheter Cardiovascular Therapeutics (TCT) Symposium. Nov. 2011. San Francisco, CA
7. Tempelhof M, Beohar N, **Malaisrie SC***, McCarthy P, Davidson C. Improvements in LV function and afterload with TandemHeart for the treatment of refractory cardiogenic shock. *J Am Coll Cardiol.* 2011 Nov 8; 58(20):B128-B129. 23rd Annual Transcatheter Cardiovascular Therapeutics (TCT) Symposium. San Francisco, CA
8. Childers CP, **Malaisrie SC***, McCarthy PM, Suspaus A, Andrei AC, Lapin B, Lindquist L, Lee R, McGee EC, Grady KL. Frailty predicts outcomes in elderly patients undergoing cardiac surgery. *Circulation*, 22 Nov 2011; 124: A16622. American Heart Association Scientific Sessions. Nov. 2011. Orlando, FL
9. Susupaus A, McCarthy PM, McGee EC, Lee R, Russell HM, Andrei AC, Lapin B, **Malaisrie SC***. Reoperative aortic surgery: Improved late survival in patients with prior aortic surgery compared to non-aortic cardiac surgery. Aortic Symposium 2012. New York, NY. April 2012.
10. Rinewalt D*, Badiwala M, **Malaisrie SC**, Russell HM, Abicht TO, Clennon C, Kruse J, Puthumana JJ, Fedak PW, Bonow RO, McCarthy PM. AATS Aortic Symposium 2014. April 2014, New York, NY.
11. Badiwala MV*, Rinewalt D, Kruse J, Li Z, Andrei A, McCarthy PM, **Malaisrie SC**. The Addition of Hemi-arch Replacement to Aortic Root Surgery Does Not Increase Operative Mortality. AATS Aortic Symposium 2014. April 2014, New York, NY.
12. Kruse J*, Andrei AC, Li Z, **Malaisrie SC**, Russell H, Abicht T, McCarthy PM. Gender Differences Exist in Health Related Quality of Life Before and After Atrial Fibrillation Surgery. American Association of Thoracic Surgery 95th Annual Meeting 2015. April 2015, Seattle, WA.
13. **Malaisrie SC***. 4D flow based characterization of aortic morphometry and flow parameters: impact of age, aortic dilatation and valve morphology. ISMRM 2015 Annual Meeting. May 2015, Toronto, Ontario Canada.
14. Huded CP*, Huded JM, Lindquist LA, Holly TA, Sweis RN, Ricciardi MJ, **Malaisrie SC**, et al. Abstract 10342: Frailty Status and Outcomes Following Trans-catheter Aortic Valve Replacement. *Circulation.* 2015;132(Suppl 3):A10342-A.
15. Freidman J*, **Malaisrie SC**, et al. Improvement of Left Ventricular Diastolic Function 30 Days after Transcatheter Aortic Valve Replacement for Severe Aortic Stenosis. American College of Cardiology 65th Annual Scientific Session. Chicago, IL. April 2016.

16. **Malaisrie SC***, et al. Permanent Pacemaker After Surgical and Catheter Atrial Fibrillation Ablation: Incidence, Indications and Outcomes. AATS 96th Annual Meeting. Baltimore, Maryland. May 2016.
17. Van Ooij P*, **Malaisrie SC**, et al. Aortic 3D Wall Shear Stress in Aortopathy in Patients with Bicuspid Aortic Valves Compared to Tri-leaflet Aortic Valves A 4D flow MRI Study in 618 subjects. 28th SMRA Annual International Conference. Chicago, IL. Sept 2016.
18. **S. Malaisrie***, B. D. Allen, A. A. Rahsepar, A. J. Barker, J. C. Carr, M. Markl, J. D. Collins. 4D flow MRI May Improve Surgical Planning through Flap Fenestration Detection in Type B Aorta Dissection. AATS Aortic Symposium 2018. New York, NY. April 2018.
19. J. Campo*, J. Kruse, A. Andrei, M. Liu, A. Churyla, J. Nakano, P. McCarthy, **S. Malaisrie**. Outcomes after Aortic Valve Salvage in Valve-Sparing Aortic Root Replacements. AATS Aortic Symposium 2018. New York, New York. April 2018.
20. T. Howard*, **SC Malaisrie**, et al. TAVR Outcomes in Patients with Chronic Total Occlusion. The Structural Heart Disease Summit. June 2018. Chicago, IL.
21. P Peri-Okonny*, **S. Chris Malaisrie**, et al. Association of Statin and Mortality after Transcatheter Aortic Valve Replacement. TCT 2018 Conference. Sept. 2018. San Diego, CA.
22. A. Abutaleb*, **S. Chris Malaisrie**, et al. Left ventricular end diastolic pressure (LVEDP) and TAVR outcomes. TCT 2018 Conference. Sept. 2018. San Diego, CA.
23. M. Scott*, **SC Malaisrie**, et al. Relationship between left ventricular function and aortic hemodynamics in 100 healthy age and sex stratified controls. SCMR 22nd Annual Scientific Sessions Conference. Feb 2019. Bellevue, WA
24. M. Scott*, **SC Malaisrie**, et al. Aortic 4D hemodynamics during healthy aging: changes in aortic velocity and 3D wall shear stress in 100 age and sex stratified healthy controls. SCMR 22nd Annual Scientific Sessions Conference. Feb 2019. Bellevue, WA
25. M. Scott, M. Quinn, A. Esteva Sanders, K. Subedi, R. Avery, P. Fedak, SC Malaisrie, P. McCarthy, A. Barker, M. Markl, B. Allen., Increased Ascending Aorta Area With Elevated 4D Flow MRI-Derived Wall Shear Stress is Associated With Progression to Aortic Surgery in Bicuspid Aortic Valve Patients., NASCI 2020 Annual Meeting
26. **[FIND AUTHOR NAMES]**, Malaisrie SC. 4D Flow MRI Derived Hemodynamic Parameters Are Associated with False Lumen Thrombus Status in Descending Aortic Dissection. SCMR 26th Annual Scientific Sessions Conference. Jan 2023. San Diego, CA.

MEDIA COVERAGE AND APPEARANCES:

- Facebook Page: Dr. Chris
- Twitter Handle: @ChrisMalaisrie
- Media and Social Media:

Sept 2013 Featured Heart Valve Surgeon on HeartValveSurgery.com

Dec 2013 Video. "A TAVR Patent Success Story: Northwestern
Medicine's Dr. S. Chris Malaisrie and Dr. James D. Flaherty

discuss the "revolutionary" TAVR, Transcatheter Aortic Valve Replacement, in a video featuring our patient John Gerlits."

- Jan 2015 Video. "TAVR Patient Success: Stella McClellan," HeartValveSurgery.com
- Oct 2015 Video. "Exploration Health.TV," Heart Valve Disease
- Jan 2016 Article. "Priceless Gifts", on multi-organ transplantation. Northwestern Medicine's News Center.
- Jan 2016 Video. "MitraClip Patient Success Story: Charlotte Cummings". HeartValveSurgery.com.
- Mar 2016 Video. "From Immediate Bed Rest to "Valve-in-Valve" Procedure, This is Jesse's Story," HeartValveSurgery.com
- May 2016 Article. "Evaluating an Alternative to Open-Heart Surgery," Northwestern Medicine's News Center.
- Jul 2016 Article. "Latest Heart Valve Replacement Technology Improves Outcomes for High-Risk Patients," Northwestern Medicine's News Center.
- Sept 2016 Article. "Couple Celebrates 60th Wedding Anniversary, Life-Saving Valve Replacement on Same day," Northwestern Medicine's News Center.
- Feb 2017 Video. "Transcatheter Mitral "Valve-in-Valve" Replacement: Patient Success Story," HeartValveSurgery.com.
- Feb 2017 Video. "One Man's Story of CTEPH," On LivingHealthyTV.com
- May 2017 Video. "BCVI Second Opinion," Northwestern Medicine, YouTube
- Jun 2017 Article. "On-the-mend Stacy Keach talks about his on-stage heart attack," Chicago Sun Times.
- Jun 2017 Article. "On Father's Day, an ordinary man lives an extraordinary life," Pantagraph.
- Nov 2017 Featured Heart Valve Surgeon on HeartValveSurgery.com
- Dec 2017 Article. "Northwestern Memorial Hospital Surgeon First in Illinois to Repair Damaged Aorta with "Frozen Elephant Trunk" Graft," Cision.

- Jan 2018 News Radio. “The Opening Bell: Elephant Trunk Graft in Surgery,” WGN Radio Chicago.
- Jan 2018 Featured Heart Valve Surgeon on HeartValveSurgery.com
- Jan 2018 Article. “Surgical Left Atrial Appendage Occlusion in AF Seen to Cut Thromboembolic Risk,” Medscape Medical News.
- Mar 2018 Article. “Northwestern Memorial Hospital Surgeon First in Illinois to Repair Aortic Valve with Novel Ring,” Cision.
- Apr 2018 Newscast. “Local surgeon first in US to repair aortic valve with novel ring,” Fox 32 News Chicago.
- May 2018 Article. “Technology Update: How did 4D-MRI Help John Time his Heart Surgery?” HeartValveSurgery.com.
- Feb 2020 Open Heart Surgery, “#InsideTheOR”, Northwestern Medicine, YouTube. 4.3 million views as of March 2022.
- Feb 2021 Video. “Saved His Lungs to Save His Heart, The Story of Mike Barr,” Northwestern Medicine, YouTube / TV Commercial.
- Feb 2022 Video. “Marfan Syndrome: What you need to know – Cardiac Surgery,” Syndrome Management: Back to Basics Webinar by The Marfan Foundation.
- Jul 2022 Video. “JOCS Live Talk: Valve Sparing vs Valve Replacing Aortic Root Surgery,” Gianluca Torregrossa, YouTube.
- Aug 2022 Video. “Surgical Treatment of Bicuspid Aortic Valve (BAV),” Northwestern Medicine, YouTube.
- Aug 2022 Video. “Aortic Valve Reconstruction: Patient Advantages for Keeping Your Own Heart Tissue Valve,” Northwestern Medicine, YouTube.

TEACHING:

June 2009 – August 2009

Eric Taday

Past Medical student, PhD candidate

3 publications

Currently in Division of Cardiology at Johns Hopkins Baltimore, MD

January 2010 – December 2010

John Kubasiak

Past Medical student

1 publication; Co-author on a book chapter; presented oral abstract at AHA
Currently in General Surgery at Rush Chicago, IL

June 2010 – August 2010

Serena Wang

Past Medical student

No publications

Currently in Pediatric Ophthalmology at Children's Medical Center Plano, TX

July 2010 – June 2011

Attapoom Susupaus

Past Research fellow

Two publications on transcatheter heart valves

Currently in Cardiac Surgery at Rajavithi Hospital, Bangkok, Thailand

August 2010 – December 2010

Katie Kaenkumchorn

Past Undergraduate Student

Contributed to a book chapter

Currently in residency at Rush Medical College Chicago, IL

June 2011 – August 2011

Chris Childers

Past Medical student

1 publication; presented poster abstract at AHA

Currently in General Surgery Residency at UCLA Health Los Angeles, CA

July 2011 – June 2012

Dan Rinewalt

Past Resident in General Surgery

1 publication to date; 1 publication pending; presented oral abstract at ASAIO

Currently at Brigham and Women's Hospital Boston, MA

June 2012 – August 2012

Krishna Bandi

Past Medical student

1 publication; presented poster abstract at AHA

Currently in Radiology at MacNeal Memorial Hospital Berwyn, IL

Ongoing research with cardiac surgery

Jan 2012 – May 2016

Andrea Tsoris

Past AOSC medical student

No publications to date

Completed medical school at Northwestern

Sept 2014-May 2018

John Campo

Past AOSC medical student

One publication resulted
Completed medical school at Northwestern

Mar 2016-Mar 2017
Pat Swanpitak
Past Cardiac Surgery Research Fellow from Thailand
No publications resulted

TRAINEES

Thoracic Surgery Traditional Fellows

2008 Daren Danielson. Sacramento Cardiovascular Surgeons
2009 Hyde Russell. NorthShore University Health System
2010 Umraan Ahmad. St. Anthony's Heart & Vascular Institute. St. Louis, MO
2011 Chadrick Cross. Cardiothoracic and Vascular Surgical Associates-
Oak Lawn, IL
2012 Joshua Kindelan. Naval Medical Center San Diego
2013 Travis Abicht. University of Kansas
2014 Emily Cassidy. Ochsner Medical Center
2016 Andrei Churyla. Attending at Northwestern Medicine NMH
2017 Bryan Payne Stanifer. Columbia University Medical Center
2018 Jonathan Tomasko. Attending at Northwestern Medicine CDH
2020 Austin Ward. Private Practice. Paduca, KY
2021 Anthony Mozer. Cardiac Surgical Associates – Resurrection Hospital. Chicago, IL

Thoracic Surgery Integrated Residents

2017 Danielle Smith. Attending, Oregon Health & Science University
2018 Daniel Enter. Private practice. Dallas, TX
2019 Christopher Mehta. Attending, Northwestern Medicine
2020 Eriberto Michel. Attending. Massachusetts General Hospital
2021 Bart Imielski. Advanced Fellow, Cornell University
2022 Azad Karim
2023 Andre Son
2023 Paul Devlin
2024 J. Mark Erfe
2025 Aaron Clark
2026 Sandeep Bharadwaj
2027 Sarah Nisivaco

Advanced Fellows

2008 Jacques Kpodonu. Beth Israel Deaconess Medical Center, Harvard Medical School
2008 Masami Takagaki. Cleveland Clinic
2009 Yan Li. National Heart Center & Fuwai Hospital
2009 Diyar Saeed. Heinrich-Heine University of Düsseldorf
2009 Soren Schenk. Sana Heart Center Cottbus, Germany

- 2010 Umraan Ahmad. St. Anthony's Cardiothoracic Surgery
- 2010 Rony Atoui. Health Sciences North. Ontario, Canada
- 2010 Truc Ly. Cardiovascular and Thoracic Institute of Texas
- 2011 Kevin Richardson. New Mexico Heart Institute.
- 2011 Ramesh Pamula. Ramesh B Pamula, MD. Inc
- 2011 Larry Cohler. Cardiothoracic & Vascular Surgical Associates, S.C.
- 2012 Koji Takeda. Columbia University.
- 2012 Attapoom Susupaus. Cardiothoracic Unit ,Rajavithi Hospital
- 2012 Virna Sales. U of Wisconsin-Madison
- 2013 Emmanuel Amulraj. OSF HealthCare - Cardiovascular Institute
- 2013 Hirohisa Ikegami. Rutgers Robert Wood Johnson Medical School
- 2013 Bill Kent. University of Calgary
- 2014 Karen Thompson. Surgeon in Rockford, IL
- 2014 Ivan Gambardella. Attending, Cornell University
- 2014 Mitesh Badiwala. Toronto General Hospital.
- 2014 Hiroshi Kagawa. University of Pittsburgh Medical Center.
- 2015 Michael Yamashita. Division of Cardiovascular Surgery, University of British Columbia
- 2015 Stephane Leung Wai Sang. Spectrum Health. Grand Rapids, Michigan
- 2015 Jennifer Higgins. Attending at St. Mary's Hospital in Ontario
- 2016 Jota Nakano. Attending at Northwestern Memorial Hospital.
- 2017 Russell McElveen. Attending, University of Illinois - Carbondale
- 2017 Erik Orozco-Hernandez. Attending, University of Alabama
- 2018 Daniel Holloway. Attending, University of Calgary
- 2019 Yuji Kaku. Attending, Columbia University
- 2019 Ryo Suzuki. Fellow, Stanford University
- 2019 Panos Vardas. Attending, University of Alabama
- 2020 Jonathan Hong. Attending. University of Manitoba
- 2020 Janet Ngu. Attending. University of British Columbia
- 2021 David Drullinsky. Attending. London, Ontario
- 2021 Andres Jadue Tobar. Attending. Charleston, SC

Medical Students M4

- 2011 Joseph Hanna. Cardiology Fellow at UCLA.
- 2012 Silviu Diaconu. PGY4 General Surgery Resident at George Washington U.
- 2013 Sarah Ward. PGY3 I-6 Resident at University of Michigan.
- 2014 Christopher Latz. General Surgery Resident at Mass General
- 2014 Hanjay Wang. I-6 Resident at Stanford
- 2014 Bryan Wilner. Internal Medicine Resident at UT Southwestern
- 2014 Malini Daniel. I-6 Resident at Upenn
- 2014 Andrew Tang. General Surgery Resident at Cleveland Clinic
- 2014 Kevin Hodges. I-6 Resident at Cleveland Clinic
- 2014 Paul Devlin. I-6 Resident at Northwestern
- 2015 Austin Culver. Medical Student at Northwestern
- 2015 Mark Hanscom. Medical Student at Northwestern
- 2015 Parth Sharma. Medical Student at Northwestern
- 2015 Addie Boone. Medical Student at Northwestern
- 2015 Parth Patel. Medical Student at Indiana

2015 Alan Pang. Medical Student at Chicago Medical School
 2015 Kelly Brown. Medical Student at Tufts
 2015 Brad Faliks. Medical Student at Hofstra
 2015 Kimberly Shemanski. Medical Student at Georgetown
 2015 Grace O'Flanagan. Ireland Medical Student
 2015 Lucia Abascal. Mexico Medical Student
 2016 William Melvin. Ohio State,
 2016 Benjamin Zambetti. Tennessee State
 2016 Andre Son. New York Medical School
 2016 Jeremy Le. University of Illinois – Peoria
 2016 Christopher Stahl. Cincinnati
 2016 Chase Corvin. Georgetown
 2016 Michael Rogers. Louisville
 2016 Ruth Emmanuel. Ireland
 2016 Matthew Ogbeide. Creighton
 2016 Ana Rivera Garcia Granados. Universidad Panamericana
 2017 Marc Phillipps. Charite Universitatsmedizin Berlin
 2017 Paul Baek. Charite Universitatsmedizin Berlin
 2017 John Campo. Northwestern University
 2017 Jonathan Labin. Washington University STL
 2017 Amber Moyer. Lewis Katz School of Medicine
 2017 Catherine Wetzel. Texas Tech University HSC School of Medicine
 2017 Michael Javorski. Loyola University School of Medicine
 2017 Emily Cerier. Ohio State University
 2017 Alicia Tasse. University of Arizona
 2017 Zachary Tran. University of Texas

Medical Students M3

2013 T.J. Smith. Surgery Resident at Loyola
 2013 Ken Zhao. Radiology Resident at NYU
 2013 Soraya Johnson. Surgery Resident at East Carolina
 2013 Bryce Merritt. Radiology Resident at UCSF
 2013 Clarabelle DeVries. Ortho Resident at WashU
 2013 Natalie Homer. Ophthalmology Resident at Harvard
 2013 Adam Haag. Emergency Medicine Resident at Brown
 2013 Anaar Siletz. Surgery Resident at UCLA
 2013 Ron Li. Internal Medicine Resident at Stanford
 2013 Travis Sims. OB-GYN Resident at UT Southwestern
 2013 Jasmine Rassiwalla. Internal Medicine Resident at UCSF
 2013 Katie McDonald. OB-GYN Resident at Baylor
 2013 Mindy Hoffman. Psychiatry Resident at SIU
 2013 Julie Wolfe. Psychiatry Resident at U Colorado
 2013 Sabrina Jones. Internal Medicine Resident at Rush
 2013 Alexander Sheu. Radiology Resident at Stanford
 2013 Dominic Fullenkamp. Internal Medicine Resident at Northwestern
 2013 Douglas Curphey. Anesthesiology Resident at UPMC
 2014 Kyle Lehenbauer. Internal Medicine Resident at Wisconsin
 2014 Lilyana Nezirova. Internal Medicine Resident at Loyola

2014 Ina Jani. OB-GYN at Lutheran General
2014 Sonja Skljarevski. Internal Medicine Resident at Cambridge, MA
2014 Norman Nicolson. Surgery Resident at Yale
2014 Paul Trinquero. Emergency Medicine Resident at Northwestern
2014 Eric Ahlstrom. Emergency Medicine Resident at Beaumont
2014 Matthew O'Connor. Emergency Medicine Resident at Wisconsin
2014 Paul Jansson. Emergency Medicine Resident at Brigham
2014 Patrick Bender. Emergency Medicine Resident at U Washington
2014 Annie Reihman. Internal Medicine Resident at Duke
2014 Neil Khanna. Emergency Medicine Resident at U Michigan
2014 Marina Bayeva. Psychiatry Resident at Northwestern
2014 Hannan Qureshi. Otolaryngology Resident at U Washington
2014 Xiaoying Lou. I-6 Resident at Emory
2014 Grant Senyei. MD/MBA student at Northwestern
2014 Elena Fradkov. Internal Medicine Resident at NYU
2014 Anshika Kaushik. Pediatrics Resident at NYP- Cornell
2014 Edson Carias. Internal Medicine Resident at NYU
2014 Lukasz Cerbin. Internal Medicine Resident at Duke
2014 Oyinlolu Adeyanju. Internal Medicine Resident at Northwestern
2015 Austin Culver. Northwestern
2015 Mark Hanscom. Northwestern
2015 Parth Sharma. Northwestern
2015 Addie Boone. Northwestern
2015 Parth Patel. Indiana University
2015 Alan Pang. Chicago Med
2015 Kelly Brown. Tufts
2015 Brad Faliks. Hofstra North Shore- LIJ
2015 Kimberly Shemanski. Georgetown
2015 Grace O'Flanagan. Ireland
2016 Lucia Abascal. Mexico
2016 Anthony Zaki. Northwestern
2016 William Melvin. Ohio State University
2016 Matthew Ogbeide. Creighton
2017 Oyunomin Zolburen. Peking University – China
2017 Yuki Horinouchy. Keio University

OTHER:

Patents:

Provisional patent. "SURGICAL BIOPROSTHESIS FOR TRICUSPID VALVE REPLACEMENT" EFS ID: 43772597, Application # 63244425

Visiting Professor:

July 2010 Faculty of Medicine Ramathibodi Hospital, Mahidol University.
Bangkok, Thailand

Aug 2011 Division of Cardiothoracic Surgery, Department of Surgery, Faculty of Medicine at Chulalongkorn University. Bangkok, Thailand

Conferences:

- Sep 2022 5th North American Aortic Valve Repair Symposium. University of Pennsylvania. Philadelphia, PA
- Aug 2022 4th Annual Catheter and Surgical Therapies for Atrial Fibrillation (CAST-AF) Conference. Northwestern University. Chicago, IL
- Aug 2022 CSANZ 70th Annual Scientific Meeting. Gold Coast, Australia
- Jul 2022 The Marfan Foundation Annual Conference. Newport Beach, CA
- May 2022 AATS 102nd Annual Meeting. Boston, MA
- Apr 2022 Minimally Invasive Valve Surgery Symposium. Artivion. Houston, TX
- Apr 2022 ACC 2022 Annual Scientific Session. Houston, TX
- Mar 2022 14th Annual Houston Aortic Symposium. Houston, TX
- Mar 2022 Heart Valve Society 2022 Annual Scientific Meeting. Miami Beach, FL
- Oct 2021 Heart Valve Insights Summit. CryoLife. Las Vegas, NV
- Nov 2021 STSA 59th Annual Meeting. Atlanta, GA
- Jan 2019 STS 55th Annual Meeting. San Diego, CA
- Nov 2018 AMICS 2018 Annual Meeting. Moscow, Russia
- Nov 2018 STSA 65th Annual Meeting. Amelia Island, FL

Oct 2018 5th Annual Chicago Case-Based Coronary and Structural Heart Intervention Update (CSI). Northwestern University.
Chicago, IL

Sept 2018 40th Annual Echo NU Conference. Northwestern University.
Chicago, IL

June 2018 Midwest Valve Symposium. Edwards (Faculty Member and Speaker)
Chicago, IL

Apr 2018 AATS 98th Annual Meeting.
San Diego, CA

Mar 2018 ACS Surgical Simulation Summit.
Chicago, IL

Feb 2018 21st Century Cardiothoracic Surgical Society Annual Meeting.
Cancun, Mexico

Jan 2018 STS 24th Annual Meeting.
Ft. Lauderdale, FL

Dec 2017 13th Annual Heart Failure Holiday Symposium. Northwestern University.
Chicago, IL

Sept 2017 21st Century Cardiac Surgeons Society Fall Meeting.
Coronado, CA

June 2017 WTSA 2017 Annual Meeting.
Colorado Springs, CO

May 2017 AATS 2017 Annual Meeting.
Boston, MA

Mar 2017 2017 STS Symposium on Robotic Mitral Valve Repair.
Chicago, IL

Mar 2017 ASCVTS 2017 Annual Meeting.
Seoul, Korea

Mar 2017 NUvention Medical Advisory Board Final Pitch Event. Northwestern
University.
Evanston, IL

Feb 2017 TPAA 2017 Convention.
Bangkok, Thailand

Jan 2017 STS 53rd Annual Meeting.
Houston, TX

- Dec 2016 12th Annual Heart Failure Holiday Symposium. Northwestern University.
Chicago, IL
- Oct 2016 30th EACTS Annual Meeting
Barcelona, Spain
- Sept 2016 3rd Annual Chicago CSI Case-Based Coronary and Structural Heart
Intervention (CSI) Update. Northwestern Medicine.
Chicago, IL
- Sep 2016 28th Annual International Conference. Society for Magnetic Resonance
Angiography. Northwestern Medicine.
Chicago, IL
- Sept 2016 Silicon Valley Disruptive Technology Symposium. 21CCSS.
Palo Alto, CA
- Aug 2016 2016 Thai Samakkee Summit
Los Angeles, CA
- June 2016 ISMICS 2016 Annual Meeting
Montreal, Canada
- May 2016 AATS 96th Annual Meeting
Baltimore, MD
- May 2016 Heart Failure Symposium 2016. Northwest Indiana Heart and Vascular at
Methodist Hospitals.
Merrillville, IN
- May 2016 AATS Aortic Symposium 2016
New York, NY
- Feb 2016 21st Century Cardiothoracic Surgical Society 2016 Annual Meeting
Cancun, Mexico
- Jan 2016 STS 52nd Annual Meeting
Phoenix, AZ
- Dec 2015 11th Annual Heart Failure Holiday Symposium. Northwestern Medicine
Chicago, Illinois
- Oct 2015 68th Annual Scientific Meeting of the Japanese Association for Thoracic
Surgery
Kobe, Japan
- Oct 2015 2015 Cardiothoracic Surgery in the Future course: 2015 American College
of Surgeons Clinical Congress Meeting.

- Chicago, IL
- Aug 2015 The 2015 Samakee Summit - Thai Americans For The Future
Chicago, IL
- Aug 2015 The Marfan Foundation: 31st Annual Family Conference.
Chicago, IL
- July 2015 TPAA Western Chapter Presents 2015 Education Meeting: Perception VS
Reality: What is your investment personality?
City of Industry, CA
- July 2015 4th Annual Chicago Cardiovascular Update
Chicago, IL
- May 2015 Heart Valve Society 2015 Annual Scientific Meeting
Monte Carlo, Monaco
- May 2015 27th Annual William E. Van Fleit, MD Symposium for Cardiovascular
Medical Education - Saint Joseph Regional Medical Center
Mishawaka, IN
- May 2015 American Society of Neurophysiological Monitoring Annual Meeting
Chicago, IL
- Apr 2015 Society for the Advancement of Blood Management Inc. International
Hemostatic Expert Panel
Washington, D.C.
- Apr 2015 AATS 95th Annual Meeting
Seattle, WA
- Mar 2015 Joint TPAA-Chula International Medical Congress
Bangkok, Thailand
- Jan 2015 STS 51st Annual Meeting and STS University
San Diego, California
- Dec 2014 39th Annual Northwestern Vascular Symposium- Northwestern University
Feinberg School of Medicine
Chicago, Illinois
- Dec 2014 Dallas-Leipzig Alive Valve Conference
Dallas, Texas
- Dec 2014 TPAA Western Chapter Presents 2014 Education Meeting: Update in
Diabetes Mellitus and Treatment Options.
City of Industry, California

Dec 2014 Tenth Annual Heart Failure Holiday Symposium- Northwestern Medicine
Chicago, Illinois

Nov 2014 American Heart Association Scientific Sessions 2014
Chicago, IL

Oct 2014 28th EACTS Annual Meeting
Milan, Italy

Sept 2014 Methodist Hospitals Cardiovascular Symposium 2014: Care at the
Crossroads.
Merrillville, Indiana

Aug 2014 2014 Thai Physicians of America Association All Chapters Annual Meeting
Mackinac Island, Michigan

July 2014 3rd Annual Chicago Cardiovascular Update
Chicago, Illinois

June 2014 36th Annual TPAA Thailand Convention
Bangkok, Thailand

June 2014 57th Annual Meeting of Kansai Thoracic Surgical Association
Osaka, Japan

April 2014 AATS Aortic Symposium
New York, New York

April 2014 The Cardiac Team Approach to Cardiovascular Disease Conference
Nashville, Tennessee

Jan 2014 The STS 50th Annual Meeting and Exhibition
Orlando, FL

Dec 2013 38th Annual Northwestern Vascular Symposium
Chicago, Illinois

Dec 2013 The Ninth Annual Heart Failure Holiday Symposium
Chicago, Illinois

Nov 2013 AHA Scientific Sessions 2013
Dallas, TX

Oct 2013 American College of Surgeons Annual Clinical Congress
Washington, DC

Sept 2013 20th Annual Surgeons as Educators. American College of Surgeons- Division
of Education
Atlanta, GA

- May 2013 AATS Annual Meeting 2013
Minneapolis, MN
- Mar 2013 The Arthur C. Nielsen, Jr. Vascular Medicine Symposium: A clinical update
on vascular disease and surgery
Chicago, IL
- Jan 2013 Society of Thoracic Surgeons (STS) 49th Annual Meeting
Los Angeles, CA
- Nov 2012 AHA Scientific Sessions 2012
Los Angeles, CA
- Oct 2012 Vascular InterVentional Advances (VIVA)
Las Vegas, Nevada
- Oct 2012 34th Annual Echo Northwestern 2012
Chicago, Illinois
- Sept 2012 The American College of Surgeons Annual Clinical Congress
Chicago, Illinois
- July 2012 Joint Council on Thoracic Surgery. Educate the Educators
Chapel Hill, North Carolina
- Apr 2012 Aortic Symposium 2012
New York City, New York
- Apr 2012 32nd Annual Meeting and Scientific Sessions of the International Society for
Heart and Lung Transplantation
Prague, Czech Republic
- Feb 2012 2012 Thai Physicians Association Annual Convention
Krabi, Thailand
- Jan 2012 48th Annual Meeting of the Society of Thoracic Surgeons
Fort Lauderdale, Florida
- Dec 2011 35th Annual Northwestern Vascular Symposium. Northwestern University
Feinberg School of Medicine
Chicago, Illinois
- Dec 2011 Seventh Annual Heart Failure Holiday Symposium. Northwestern University
Feinberg School of Medicine
Chicago, Illinois
- Nov 2011 American Heart Association Scientific Sessions 2011
Orlando, Florida

July 2011 24th Annual Meeting of the European Association for Cardio-Thoracic Surgery
Geneva, Switzerland

July 2011 27th Annual Conference of the National Marfan Foundation
Portland, Oregon

Feb 2011 33rd Annual Convention of the Thai Physicians Association of America
Cha-Am, Petchburi, Thailand

Nov 2010 American Heart Association Scientific Sessions 2010
Chicago, Illinois

April 2010 American Association for Thoracic Surgery – Aortic Symposium 2010
New York City, NY

April 2010 Valves in the Heart of the Big Apple VI: Evaluation & Management of
Valvular Heart Disease 2010
New York City, NY

Feb 2010 Thai Physicians Association of America - Annual Convention
Chiang Rai, Thailand

Jan 2010 46th Annual Meeting of the Society of Thoracic Surgeons
Fort Lauderdale, Florida

Nov 2009 American Heart Association – Scientific Sessions 2009
Orlando, Florida

Sept 2009 Thai Physicians Association of America. All Chapters Convention
Garden Grove, California

Aug 2009 National Marfan Foundation 25th Annual Conference
Rochester, Maine

May 2009 American Association of Thoracic Surgery 89th Annual Meeting
Boston, Massachusetts

April 2009 29th Annual Scientific Sessions Meeting of the International Society for Heart
and Lung Transplantation.
Paris, France

Mar 2009 58th Annual Scientific Session of the American College of Cardiology
Orlando, FL

Nov 2008 81st Annual Scientific Session of the American Heart Association
New Orleans, Louisiana

May 2008 American Association for Thoracic Surgery 88th Annual Meeting
San Diego, California

- May 2008 American Association for Thoracic Surgery. Aortic Symposium 2008
New York City, New York
- Mar 2008 American College of Cardiology 57th Annual Scientific Session
Chicago, Illinois
- Jan 2008 Society of Thoracic Surgeons 44th Annual Meeting and Exhibition
Fort Lauderdale, Florida
- April 2007 27th Annual Meeting of the International Society for Heart and Lung
Transplantation.
San Francisco, California
- April 2006 American Association for Thoracic Surgery Annual Meeting
Philadelphia, Pennsylvania
- Nov 2005 Southern Thoracic Surgical Association
Orlando, Florida
- June 2005 31st Annual Meeting of the Western Thoracic Surgical Association
Victoria, Canada
- April 2005 85th Annual Meeting of the American Association for Thoracic Surgery
San Francisco, California
- Nov 2003 111th Scientific Session of the Western Surgical Association
Tucson, Arizona

Additional Training Courses:

- Jan 2022 EVOQUE Eos MISCEND EFS Physician Training. Edwards Lifesciences.
Chicago, IL.
- Jun 2021 Fellows Program and Advanced Ablation Course. AtriCure.
Chicago, IL.
- Feb 2019 HVT Advisory Meeting. Edwards Lifesciences.
Irvine, CA
- Feb 2019 Physician TAVR Proctor Meeting. Edwards Lifesciences.
Irvine, CA
- Jan 2019 PASCAL Tricuspid and Cardioband training. Edwards.
Irvine, CA
- Sep 2018 Case observation with Dr. Michael Madani. UCSD.
La Jolla, CA

Sep 2018	Cardioband Tricuspid EFS Training. Edwards. Irvine, CA
Jun 2018	ACS Surgeons as Leaders Conference. Durham, NC
Sep 2017	Society of University Surgeons Leadership Agility Program. Northwestern University. Evanston, IL
Jul 2017	Aegis SupraSternal Access Training. Synecor. Raleigh, NC
Jul 2017	Intuity Training. Edwards. Miami, FL
Jun 2017	INTREPID TMVR Training. Medtronic. Minneapolis, MN
Mar 2017	TBE Investigator Training. GORE. Phoenix, AZ
Jan 2017	CardiAQ Training. Edwards. Atlanta, GA
Oct 2016	Evolut Training. Medtronic. Milwaukee, WI
Jul 2016	MitraClip® Course 202 Training Program. Abbott Vascular. Minneapolis, MN
Feb 2016	Impella Heart Team Certification Program. Abiomed Boston, MA
Sep 2015	PTEA Training – UC San Diego La Jolla, California
Jul 2015	TIARA-I training. Neovasc Minneapolis, MN
Jul 2015	21st Century Innovators Valve Repair Forum and Wet Lab. Admedus Bloomington, MN
Oct 2014	AATS Clinical Trials Methods Course 2014 Chicago, IL
Mar 2014	Product and Procedural Training. CoreValve Atlanta, GA

- Oct 2013 Impella Skills Lab
Washington, DC
- Jul 2013 Hands on Science Lab. CorMatrix
Atlanta, GA
- Nov 2012 Impella 5.0 Skills Lab. Abiomed
Atlanta, GA
- Oct 2012 Transcatheter Heart Valve Training. Edwards
Rosemont, IL
- Jul 2011 3f Aortic Bioprosthesis Education Program Training. Medtronic
New York, NY
- Feb 2009 Talent Thoracic Physician Training #1. Medtronic
Atlanta, GA

Industry Meetings:

- Oct 2022 Speaker. “Left Atrial Appendage Closure Discussion”. 2022 Surgical
Medical Advisory Board Meeting. Edwards Lifesciences.
Washington, D.C.
- Feb 2019 Speaker. “Managing Thoracic Aortic Disease”. Dinner Talk. Terumo
Aortic.
Chicago, IL
- Jan 2019 Speaker “Comparative effectiveness of LAA occlusion among patients with
AF”. LAA Webcast. AtriCure.
San Diego, CA
- Oct 2018 TAVR Leadership Series. Edwards.
Denver, CO
- Sep 2018 STS 55th Annual Program Planning Committee Meeting. STS
Headquarters.
Chicago, IL
- Mar 2018 Heart Valve Therapy Advisory Meeting. Edwards Lifesciences.
Irvine, CA
- Mar 2018 Aortic Symposium. Cryolife.
Atlanta, GA
- Mar 2018 Instructor. MitraClip Course 101 training program. Abbott.
Chicago, IL
- Mar 2017 Surgery Advisory Board Meeting. Abiomed.

Boston, MA

Sep 2016 HVT Advisory Board Meeting. Edwards.
Irvine, CA

Apr 2016 PARTNER 3 – Low Risk Trial Investigator Meeting. Edwards.
Huntington Beach, CA

Apr 2016 Hybrid IDE Study: Clinical Investigator Meeting. Thoraflex.
Houston, Texas

Nov 2015 Surgeon Advisory Forum. Abbott.
New York, NY

Oct 2015 Surgeon Advisory Forum. Edwards.
Irvine, CA

June 2015 Speaker. A Programmatic Approach to Aortic Stenosis. Midwest Valve
Symposium. Edwards.
Chicago, IL

July 2014 Medical Advisory Board Meeting. Edwards.
Salt Lake City, UT

Mar 2012 Procedural Deep-Dive & Challenging Scenarios, Part II. Edwards
Lifesciences.
Irvine, California

Mar 2012 Developing a TAVR Program: Setting-Up the Multi-Disciplinary Team.
Edwards Lifesciences.
Irvine, California

Feb 2010 Physician Roundtable. Edwards Lifesciences.
Dallas, TX

Dec 2009 Clinical Collaboration on Aortic Stenosis. Medtronic.
San Francisco, CA

Oct 2009 BioSurgery Products in Cardiac Surgery and (Q & A). Baxter BioSurgery
New Hire Sales Training. BioSurgery/MarCam.
Chicago, Illinois

Sept 2009 SPIN Advisory Board Meeting & Hands-on Lab. Baxter Healthcare
Corporation
Chicago, Illinois

Sept 2009 LVADs and Complex Aortic Repairs. Baxter BioSurgery New Hire Sales
Training. BioSurgery/MarCam.
Chicago, Illinois

Oct 2008 Aortic Valve Disease and Surgery. Edwards Lifesciences Fellows Program.
Irvine, California

Oct 2008 Transcatheter Aortic Valve Therapy. Edwards Lifesciences Fellows Program.
Irvine, California

June 2008 PARTNER Trial Investigator Meeting. Edwards Lifesciences
Seattle, WA

Outreach:

Oct 2018 Speaker. “Valve repair for Aortic Valve and Bicuspid Aortic Valve disease”. Northwestern CME networking dinner.
Munster, IN

July 2018 Qatar and UAE Embassy Visits. Northwestern Medicine International Health Department.
Washington, DC