

CURRICULUM VITAE  
**Tom C. Nguyen, MD, FACS, FACC**

<b>TITLE</b>	Associate Professor, Chief of Cardiac Surgery, Director of Minimally Invasive Valve Surgery and Co-Director of Structural Heart Program for the Department of Cardiothoracic and Vascular Surgery, McGovern Medical School at The University of Texas Health Science Center at Houston (UTHealth)  Chief of Cardiac Surgery, Memorial Hermann Memorial City Medical Center.
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<b>CITIZENSHIP</b>	USA

## **EDUCATION**

- B.A. Rice University, Houston, Texas  
Economics and Asian Studies (Honors), 1996  
(Omicron Delta Epsilon, International Honors Society in Economics)
- M.D. The Johns Hopkins School of Medicine, Johns Hopkins University,  
Baltimore, Maryland, Doctor of Medicine, 2002

## **POSTGRADUATE TRAINING**

- 2002-2003 Internship, General Surgery  
Stanford Department of General Surgery, Stanford University  
Stanford, California
- 2004-2006 Post-Doctoral Research Fellow  
Stanford Department of Cardiothoracic Surgery, Stanford  
University  
Stanford, California
- 2007-2008 Residency, General Surgery  
Stanford Department of General Surgery, Stanford University  
Stanford, California
- 2009-2010 Chief Resident (Administrative), General Surgery  
Stanford Department of General Surgery, Stanford University  
Stanford, California
- 2010-2012 Fellowship, Cardiothoracic Surgery  
Columbia Presbyterian Hospital, Columbia University  
New York, New York

## **ACADEMIC and ADMINISTRATIVE APPOINTMENTS**

- 2012-2013 Associate Faculty in Cardiothoracic Surgery  
Division of Cardiothoracic Surgery, Emory University  
Atlanta, Georgia
- 2013-2017 Assistant Professor  
Department of Cardiothoracic and Vascular Surgery  
McGovern Medical School at UTHealth  
Houston, Texas
- 2017-present Associate Professor  
Department of Cardiothoracic and Vascular Surgery  
McGovern Medical School at UTHealth  
Houston, Texas
- 2013-present Director, Minimally Invasive Valve Surgery  
Department of Cardiothoracic and Vascular Surgery  
McGovern Medical School at UTHealth

Houston, Texas

- 2013-present      Co-Director, Structural Heart Program  
Department of Cardiothoracic and Vascular Surgery  
Division of Cardiology  
McGovern Medical School at UTHealth  
Houston, Texas
  
- 2014-present      Director, Associate Cardiothoracic Residency Program  
MD Anderson Cancer Center  
Department of Cardiothoracic and Vascular Surgery  
Houston, Texas
  
- 2018-present      Chief of Cardiac Surgery  
Memorial Hermann Memorial City Medical Center  
Department of Cardiothoracic and Vascular Surgery  
Houston, Texas
  
- 2018-present      Medical Director, Cardiothoracic Surgery  
Memorial Hermann Memorial City Medical Center  
Department of Cardiothoracic and Vascular Surgery  
Houston, Texas

#### **HOSPITAL APPOINTMENTS**

- 2012-2013      Attending Physician  
Division of Cardiothoracic Surgery  
Emory University, Atlanta, Georgia
  
- 2013-present      Attending Physician  
Department of Cardiothoracic and Vascular Surgery  
Memorial Hermann Hospital, Texas Medical Center (TMC)  
Houston, Texas
  
- 2014-present      Attending Physician  
Department of Cardiothoracic and Vascular Surgery  
Memorial Hermann Southeast Hospital  
Houston, Texas
  
- 2014-present      Attending Physician  
Department of Cardiothoracic and Vascular Surgery  
Lyndon B. Johnson General Hospital  
Houston, Texas
  
- 2015-present      Attending Physician  
Department of Cardiothoracic and Vascular Surgery  
St. Joseph Medical Center  
Houston, Texas
  
- 2018-present      Attending Physician  
Department of Cardiothoracic and Vascular Surgery  
Memorial Hermann Memorial City Medical Center

Houston, Texas

### **BOARD of DIRECTORS**

2017-present	International Society of Minimally Invasive Cardiothoracic Surgery
2017-present	CTSNet.org
2018-present	21 <sup>st</sup> Century Cardiothoracic Surgery Society (Treasurer)
2018-present	21 <sup>st</sup> Century Cardiothoracic Surgery Society (President Elect)

### **LICENSURE**

2004	California Medical License (Certification #A85689)
2010	New York Medical License (Certification #256151)
2012	Georgia Medical License (Certification #67852)
2013	Texas Medical License (Certification #P7170)

### **BOARD CERTIFICATION**

2013	American Board of Thoracic Surgery Written Exam (First Attempt)
2014	American Board of Thoracic Surgery Oral Examination (First Attempt)
2014	American Board of Thoracic Surgery (Certification #8062)

### **PROFESSIONAL ASSOCIATIONS**

#### **Regional**

2013-present	Southern Thoracic Surgical Association
2018-present	Texas Surgical Society

#### **National**

2009-2013	Thoracic Surgery Residents Association
2012-present	American College of Cardiology (ACC)
2013-present	Society of Thoracic Surgery (STS)
2013-present	Thoracic Surgery Directors Association (TSDA)
2017-present	Fellow of the American College of Surgeons (FACS)
2017-present	Fellow of the American College of Cardiology (FACC)

#### **International**

2012-present	International Society of Minimally Invasive Cardiothoracic Surgery
2016-present	21 <sup>st</sup> Century Cardiothoracic Surgical Society
2017-present	American Association for Thoracic Surgery (AATS)

### **HONORS and AWARDS**

1992	American Legion Boys State, Nominated as Texas State Treasurer
1992	American Legion Boys State, Texas Delegate
1992	Robert A. Welch Research Scholar, Texas Tech University
1996	Omicron Delta Epsilon, International Honors Society in Economics
1996	UTSPH Outstanding Student Full Tuition Scholarship
2001	Lawrence Katz Thoracic Surgery Award, The Johns Hopkins School of Medicine
2002	American Board of Surgery In-Training Exam (ABSITE) Stanford Award
2003	Surgical Resident of the Year Award, Stanford University
2004	Outstanding Critical Care Resident Award, Stanford University

2004-2007	McConnell Cardiovascular Research Fellow, Stanford Department of Cardiothoracic Surgery
2006	Society of Thoracic Surgeons (STS) Looking to the Future Scholarship
2007	Bay Area Society of Thoracic Surgery (BASTS), Research Award
2007	Vivian Thomas Young Investigator Award (Finalist), American Heart Association
2007	Walt Lillehei Young Investigator Award (Finalist)
2007	Stanford Department of Surgery Research Award
2008	New Era Cardiac Care Resident Scholarship
2009	Johnson & Johnson Physician Scholar in International Health and Humanitarian Aid, Asmara, Eritrea
2010	American College of Surgeons Resident Award for Exemplary Teaching (Finalist)
2010	Arnold P. Gold Foundation's Humanism and Excellence in Teaching Award by Stanford Medical Students
2011-2012	Secretary, Thoracic Surgery Residents Association
2012-2013	President, Thoracic Surgery Residents Association
2014	Houston Business Journal's Top 40 Under 40 Award
2015	Super Doctors, Texas Monthly
2016	ISMICS Robert Emery Young Investigator Award (Finalist)
2016	21 <sup>st</sup> Century Cardiothoracic Surgery Society
2016	Benjy F. Brooks Outstanding Clinical Faculty Award, McGovern Medical School at UTHealth
2017	ISMICS Best Manuscript Award
2017	Texas Monthly "Top Doctors in Texas Rising Stars"
2017	1 <sup>st</sup> Place, American College of Cardiology Section Awards, Transcatheter Heart Valve Handbook
2018	Houston Business Journal Healthcare Heroes Award
2019	\$25,000 STS Thoracic Surgery Foundation Robotic Research Grant
2019	ABTS Oral Examination Committee
2021	STS University Program Chair
2022	STSA Program Committee
2022	STSA Co-Chair Program Committee

### **Research Experience and Clinical Awards**

1992	Sub-Picosecond Quantum Radiation Laboratory, Texas Tech University
1993	MD Anderson Cancer Center, Houston, Texas
1994	Texas Heart Institute, Houston, Texas
1995	Keck Center for Computational Biology, Rice University, Houston, Texas
1998	Johns Hopkins Hospital Healthcare Administration Internship
2004-2007	Stanford Cardiothoracic Surgery Transplantation Procurement, Stanford, California

### **Media Coverage**

2014	Fox 26 News Feature—Performed the first TAVR in a patient partially awake in the Texas (aired January 8)
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- 2015 Moderator/Panelist (CTSNet Roundtable Discussion) Giants of Cardiothoracic Surgery Interview: Michael Reardon (<http://www.ctsnet.org/article/giants-cardiothoracic-surgery-interview-michael-reardon>)
- 2015 Patient story after minimally invasive heart Valve Repair (<https://www.youtube.com/watch?v=VzGNr6Zaon4>)
- 2016 Deborah Duncan Show (KHOU Channel 11)—Guest Physician Minimally Invasive Valve Surgery ([https://www.dropbox.com/s/mgzqb0c20edccrq/KHOU\\_06-27-2016\\_09.20.33.mp4?dl=0](https://www.dropbox.com/s/mgzqb0c20edccrq/KHOU_06-27-2016_09.20.33.mp4?dl=0))
- 2016 Deborah Duncan Show (KHOU Channel 11)—Expert Doctor's Roundtable Discussion (<https://www.youtube.com/watch?v=u1NMncFH7b8>)
- 2016 Moderator/Panelist (CTSNet Roundtable Discussion) The Future of Aortic Stenosis Treatment: Sternotomy, Minimally Invasive, or TAVR (<http://www.ctsnet.org/article/future-aortic-stenosis-treatment-sternotomy-minimally-invasive-or-tavr>)
- 2016 Creation of a YouTube video for patients and families to understand aortic stenosis. ([https://www.youtube.com/watch?v=hgIK\\_I\\_8xQY](https://www.youtube.com/watch?v=hgIK_I_8xQY))
- 2017 Deborah Duncan Show (KHOU Channel 11)—Guest Physician Minimally Invasive Valve Surgery (<http://www.khou.com/entertainment/television/programs/great-day-houston/memorial-hermann-1/408609134>)
- 2017 Deborah Duncan Show (KHOU Channel 11)—Expert Doctor's Roundtable Discussion (<http://www.khou.com/entertainment/television/programs/great-day-houston/medical-hot-topics-021517/408611503>)
- 2017 Scoop Article on Benjy F. Brooks Teaching Award ([https://med.uth.edu/news/2017/05/18/benjy-f-brooks-m-d-outstanding-clinical-faculty-award-tom-c-nguyen-m-d/?utm\\_source=newsletter&utm\\_medium=email&utm\\_campaign=Scoop\\_May\\_18,2017](https://med.uth.edu/news/2017/05/18/benjy-f-brooks-m-d-outstanding-clinical-faculty-award-tom-c-nguyen-m-d/?utm_source=newsletter&utm_medium=email&utm_campaign=Scoop_May_18,2017))
- 2017 Houston Chronicle Newspaper: "Allergy symptoms point to more serious diagnosis for Memorial Hermann Northeast patient" (<http://www.chron.com/neighborhood/humble/news/article/Allergy-symptoms-point-to-more-serious-diagnosis-11745632.php#photo-13664791>)
- 2017 CTSNet Featured Profile Article (<https://www.ctsnet.org/article/featured-profile-and-interview-tom-c-nguyen-md>)
- 2017 Washington Post published my drone footage of Hurricane Harvey ([https://www.washingtonpost.com/video/local/weather/see-flooding-near-the-texas-medical-center-from-the-air/2017/08/29/0bf92990-8ce4-11e7-9c53-6a169beb0953\\_video.html?utm\\_term=.abb5b661850d](https://www.washingtonpost.com/video/local/weather/see-flooding-near-the-texas-medical-center-from-the-air/2017/08/29/0bf92990-8ce4-11e7-9c53-6a169beb0953_video.html?utm_term=.abb5b661850d))
- 2017 Deborah Duncan Show (KHOU Channel 11)—Guest Physician Minimally Invasive Repair of an Atrial Septal Defect (<http://www.khou.com/entertainment/television/programs/great-day-houston/memorial-hermann-120617/497312526>)

- 2017 CTSNet Roundtable Moderator (Barcelona, Spain, March)  
(<https://www.ctsnet.org/article/sponsored-roundtable-discussion-how-new-technologies-can-facilitate-surgical-mitral-repair>)
- 2018 KHOU TV (Channel 11 News)—Puerto Rican Heart Surgeon comes to Houston for Heart Surgery  
(<http://www.khou.com/mobile/article/news/health/puerto-rican-heart-surgeon-comes-to-houston-for-heart-surgery/504934223>)
- 2018 Fox News Feature—Coronary Artery Disease and the “Widowmaker”  
(<http://mms.tveyes.com/MediaCenterPlayer.aspx?u=aHR0cDovL21lZGhlY2VudGVyLnR2ZXllcy5jb20vZG93bmxxvYWRnYXRld2F5LmFzcHg%2FVXNlcklEPTM1MDI3MiZNRlEPTkzMzgzNjYmTURtZWVhPTIwNDgmVHlwZT1NZWRpYQ%3D%3D>)
- 2018 Patient Stories (Memorial Hermann Heart & Vascular Institute)  
(<http://heart.memorialhermann.org/patient-stories/saving-george-grabowski%E2%80%99s-heart/>)
- 2018 CTSNet Roundtable Discussion with journal editors:  
(<https://www.ctsnet.org/article/discussions-our-journal-editors-past-present-and-future>)
- 2019 Fox News: Valvular Heart Disease and Mick Jagger:  
(<http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=633eb3f1-2cbc-4938-a3bc-0cb20502c78d>)
- 2019 Featured on The H-Podcast (podcast about the people and places that Make Houston Houston)  
<https://theh.simplecast.com/episodes/a-heart-for-houston-with-dr-tom-nguyen>
- 2019 ABC News “Dad of 10’s minimally invasive heart surgery cuts recovery time” (<https://abc13.com/dad-of-10s-minimally-invasive-heart-surgery-cuts-recovery-time/5364160/>)
- 2019 FoxNews “CyFair principal has lots to be thankful for”  
(<https://www.iqmediacorp.com/ClipPlayer?ClipID=1f28b246-047d-4a6b-8871-d4b36d2c0326&TE=%7B0%7D>)
- 2020 ABC News “Man who died mid-race went to every doctor before marathon”  
(<https://abc13.com/community-events/man-who-died-mid-race-went-to-every-doctor-before-marathon/5865790/>)
- 2020 Wallstreet Journal “The Pandemic’s Most Powerful Writer is a Surgeon” (In reference to quote I provided about Dr. Craig Smith at Columbia)
- 2020 Months out of heart surgery, North Houston Man Tackles Even Greater Goals  
<https://www.houstonchronicle.com/lifestyle/renew-houston/fitness/article/Months-out-of-heart-surgery-North-Houston-man-15196567.php>

## EDITORIAL POSITIONS

### Manuscript Reviewer

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|--------------|--|
| 2007-present | Annals of Thoracic Surgery                     |
| 2007-present | Journal of Thoracic and Cardiovascular Surgery |

2009	Journal of Heart Valve Disease
2009	Academic Psychiatry
2010-present	European Journal of Cardiothoracic Surgery
2011-present	Expert Review of Cardiovascular Surgery
2016-present	Circulation
2016-present	Innovations
2017-present	Journal of Heart Valve Disease
2017-present	Heart Surgery Forum
2018-present	Annals of Cardiothoracic Surgery
2019-present	American College of Surgeons Scientific Forum

### **Editorial Board**

2008-2013	CTSNet
2011-2013	Thoracic Surgery Residents Association
2013-present	American College of Cardiology, Editor Clinical Topics Collection
2016-present	Journal of Thoracic Disease
2017-present	International Society for Minimally Invasive Cardiac Surgery
2017-Present	CTSNet JANS (Journal and News Scan)
2017-present	ACC.org Cardiac Surgery Editorial Board
2018	Guest Editor, Annals of Cardiothoracic Surgery “Emerging Technologies in Mitral Valve Surgery”
2018-present	Cardiovascular Research Technologies (CRT)
2018-present	Cardiovascular Revascularization Medicine
2018-present	Innovations
2019-present	Journal of Heart Valve Disease
2020-present	CTSNet Journal and News Scan Editor

### **SERVICE on NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES**

#### **Cardiology**

2012-2013	American College of Cardiology Championing Aortic Stenosis Faculty
2013-present	American College of Cardiology (ACC) Surgeon’s Council
2013-present	American College of Cardiology (ACC) Early Career Leadership Council
2013	American College of Cardiology (ACC) Fellow-in-Training Surgeon’s Leadership Council
2015	Peer-Reviewer: ACC/AHA Valvular Heart Disease Guidelines
2017-2019	Chair Data Monitoring Committee for Edwards M3 Docking System
2020-present	HARPOON RESTORE IDE Trial – Steering Committee

#### **Education**

2009-2012	Accreditation Council for Graduate Medical Education (ACGME) and Residency Review Committee (RRC) Committee for Thoracic Surgery
2010	AATS/TSDA/RRC Committee on 6-year Integrated Cardiothoracic Surgery Residency
2009-2012	Accreditation Council for Graduate Medical Education (ACGME) Council of Review Committee of Residents (CRR)



2010-2011	Executive Committee, Thoracic Surgery Residents Association (TSRA), peer-elected
2010-2011	Chair of Communication Committee, Thoracic Surgery Residents Association (TSRA), Thoracic Surgery Directors Association (TSDA) Curriculum Committee (STS 2011, AATS 2011, STS 2012)
2011-2012	Secretary, Thoracic Surgery Residents Association
2011-2012	AATS Education Committee, Resident Representative
2012-2013	President, Thoracic Surgery Residents Association
2013-present	Proctor for TAVR, Train programs across the country on the implementation of transcatheter valves
2014-present	Texas Medical Board Case Reviewer
2014-present	SESATS 12 Question Writing Committee
2013-2015	STS TAVR/TEVAR Table Instructor (STS 49 <sup>th</sup> , 50 <sup>th</sup> and 51 <sup>st</sup> Annual Meeting)
2015	Vice Chair, Thoracic Education Cooperative Group (TECoG)
2018	SESATS 13 Question Writing Committee, Sub-Section Editor

### **Abstract and Program Committee**

2009-2012	RRC/ACGME Case Log Committee
2013	ISMICS Electronic Content and Technology Committee
2014	ISMICS Program Committee
2014	STS Abstract Reviewer
2014	AATS Abstract Reviewer
2014	AATS Program Committee
2014	ISMICS Program Committee
2015	STSA Program Committee
2015	STSA Abstract Reviewer
2015	STS Strategic Planning Session
2017	STS Tech-Con Program Committee
2018	STS Course Director—Minimally Invasive Valve Surgery
2018	ACC Abstract Reviewer
2018	ISMICS Program Committee
2018	STS Tech-Con, Co-Chair
2018	TVT Abstract Reviewer
2019	STS PUF Adult Cardiac Review Committee
2019	ISMICS Co-Chair, Program Committee
2019	TVR Abstract Reviewer
2019	American Heart Association Abstract Reviewer
2019	James L. Cox Fellowship application review
2019-2021	STS Program Committee
2019-2021	Workforce on Annual Meeting (STS University Task Force, [Co-Chair])
2019-2021	STS Workforce on Annual Meeting (Program Task Force)
2019-2022	STS Workforce on Media Relations and Communications
2020-2021	STS Workforce on Annual Meeting
2020	Heart Valve Society Scientific Program Committee, Abu Dhabi, United Arab Emirates
2020	AATS—North American Early-Career Scholarship Committee
2020	ISMICS Program Committee (Warsaw, Poland)
2020	Southern Thoracic Surgery Surgical Association (STSA)

**Invited Moderator/Discussant (National)**

2013	Houston Aortic Symposium, Houston, Texas
2014	American College of Cardiology (ACC)
2014	Houston Aortic Symposium, Houston, Texas
2015	American College of Cardiology (ACC)
2015	Houston Aortic Symposium, Houston, Texas
2015	Southern Society of Thoracic Surgery (STSA), Lake Buena Vista, Florida
2015	American Heart Association (AHA)—"Surgical and Percutaneous Therapies for Aortic Stenosis"
2015	AHA—"TAVR Outcomes and Complications"
2016	Emory EPIC-SEC, Atlanta, Georgia
2016	ACC Valvular Heart Disease—"Bicuspid Aortic Valve Disease, Low Gradient Preserved EF"
2016	Houston Aortic Symposium, Houston, Texas
2016	Southern Society of Thoracic Surgery (STSA), Naples Grand Beach Resort, Florida
2016	International Society of Minimally Invasive Surgery—Winter Workshop
2016	Edwards Lifesciences Cardiothoracic Surgery Fellows Program, Invited Faculty
2017	Emory EPIC-SEC, Atlanta, Georgia
2017	Houston Aortic Symposium, Houston, Texas
2017	Southern Society of Thoracic Surgery (STSA), San Antonio, Texas
2017	Texas Surgical Society, Midland, Texas
2017	Texas Surgical Society, San Antonio, Texas
2017	Society of Thoracic Surgery, Invited Presentation, "Cardiologists and Surgeons Tackling Complex Clinical Scenarios as a Heart Team"
2017	EPIC (Emory Practical Intervention Course)—Structural Heart Session
2017	American College of Cardiology, Invited Talk, "A Challenging Case: Heart Team to the Rescue"
2017	ACC—Moderator Session, "TAVR Outcomes Prognostication"
2017	American College of Surgeons—Moderator, Cardiac Surgery Session
2018	Vietnamese American Medical Association (VAMA), Philadelphia, Pennsylvania
2018	Cardiovascular Research Technologies (CRT), Washington, D.C.
2018	Society for Thoracic Surgery, Fort Lauderdale, Florida
2018	Emory EPIC-SEC, Atlanta, Georgia
2018	Southern Society of Thoracic Surgery (STSA), Amelia Island, Florida
2018	Houston Aortic Symposium, Houston, Texas
2019	Society for Thoracic Surgery, San Diego, California
2019	Texas Surgical Society, McAllen, Texas
2019	Cardiovascular Research Technologies (CRT), Washington, D.C.
2019	Mitral Conclave, New York City, New York

### **Invited Moderator/Discussant (International)**

2016	ISMICS Winter Workshop, Kyoto, Japan
2017	The Heart Surgery Forum, Zagreb, Croatia
2017	50 <sup>th</sup> Anniversary Scientific Congress, Hanoi, Vietnam
2017	New Trends in Management of Cardiovascular Disease Congress, Saigon, Vietnam
2018	ISMICS Annual Meeting, Vancouver, Canada
2018	21CCSS, Cancun, Mexico
2019	Singapore LIVE, Singapore, Malaysia
2019	21CCSS, Honolulu, Hawaii
2019	AATS, Toronto, Canada

### **COMMITTEES for THE UNIVERSITY of TEXAS HEALTH SCIENCE CENTER at HOUSTON**

2014-present	Quality Assurance Committee, Memorial Hermann Hospital
2014-present	Operating Room Committee, Memorial Hermann Hospital
2015-present	Credentialing Committee, Memorial Hermann Hospital
2015-present	CPC Cardiothoracic Surgery, Memorial Hermann Hospital
2015-present	Cardiovascular and Thoracic Surgery Clinical Programs Committee
2016	Blood Conservation Committee, Memorial Hermann Hospital
2016	Length of Stay Committee, Memorial Hermann Hospital
2017-present	Memorial Hermann Quality Assurance (QA) Committee
2018-present	Co-Chair Cardiovascular and Thoracic Surgery Clinical Programs Committee
2019-present	Physician Lead Memorial City ACO

### **COMMITTEES for THE UNIVERSITY OF TEXAS MEDICAL SCHOOL at HOUSTON**

2013-present	Student Interviewer
2013-present	School Preceptor
2013-2015	Resident Interviewer, Cardiothoracic Surgery
2013-2015	Resident Interviewer, Vascular Surgery
2015	Curriculum Committee

### **COMMUNITY SERVICE**

#### **Local**

2013-present	Radio Talk Show (900 AM)—Monthly talk show on cardiovascular disease
2014-present	TV Show (Saigon TV)—Quarterly TV show on cardiovascular disease

#### **External**

1993-1994	Policy Intern, James A. Baker Institute for Public Policy, Rice University—Served as the first student intern for the James A. Baker Institute for Public Policy
1996-1998	Executive Director, Houston Asian Chamber of Commerce—Served as the youngest elected officer and executive arm of Houston's Asian Chamber of Commerce. Helped organize an Asian Charity Gala raising more than \$50,000 for Asian Charities

2002-2008	Created pocketScalpel, a handbook for surgery residents that was ultimately published by Elsevier and translated into different languages
2002, 2008	Stanford Department of Surgery Residency Review Committee—elected by peers
2009-2010	Administrative Chief Resident, Department of Surgery, Stanford Hospital
2002-2010	Developed website ( <a href="http://scalpel.stanford.edu">scalpel.stanford.edu</a> ) for Stanford Department of General Surgery
2002-2010	Developed website ( <a href="http://cardiac.stanford.edu">cardiac.stanford.edu</a> ) for Stanford Department of Cardiothoracic Surgery
2009-present	Rice University—Undergraduate Student Interviewer
2011-2012	Chief Cardiothoracic Surgery Resident, Columbia University
2012-present	STS Looking to the Future Scholarship Committee
2014	STS Looking to the Future Medical Student Mentor
2015	Texas Medical Board Expert Reviewer
2016-2018	STS Workforce on Annual Meeting (Tech-Con Task Force)
2018-2020	STS Workforce on Annual Meeting (Program Task Force)
2018-2022	STS Workforce on Media Relations and Communications
2019-present	STS Access and Publications Research Program
2019-present	STS Leadership Development Course, Faculty

### International

1997	World Health Organization (WHO)—Worked with the WHO in collaboration with the Vietnamese Ministry of Health to develop a national framework for universal health insurance, Geneva, Switzerland
2009	Volunteer Surgeon—Worked as a general surgeon (1 out of 5) for a population of 6 million in Asmara, Eritrea,
2017-present	International Society of Minimally Invasive Cardiac Surgery—Mentoring Task Force
2019-present	International Andreas Gruentzig Society
2019-present	AATS Online Committee

### TEACHING RESPONSIBILITIES

2013-present	Cardiothoracic Surgery Fellows (n=4), 7 days/week, approximately 12 hours/day
2013-present	General Surgery Interns (n~20), 7 days/week, approximately 2 hours/day
2013-present	General Surgery Residents (n=12), 7 days/week, 5 hours/day
2013-present	Vascular Surgery Resident (n=2), 7 days/week, 5 hours/day
2013-present	Aortic Surgery Advanced Fellows (n=2), 7 days/week, approximately 8 hours/day
2013-present	Coordinate 52-week didactic curriculum for cardiothoracic surgery fellows
2013-present	Cardiothoracic didactic lectures to fellows (n=4), 1.5 hours/week
2014-present	Associate Program Director, Cardiothoracic Surgery Residency Program

### MENTORING ACTIVITIES

Date	Trainee, Position
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2002-2010	Elizabeth Stephens, Fellow, Columbia Presbyterian Cardiothoracic Surgery
2010-present	V. Tchantchaleishvili, Cardiothoracic Surgery Fellow
2013	Brayden Chavis, Post Oak School. Student at Rice University
2013-2015	Robert Rice, Cardiothoracic Surgeon (Augusta, Georgia)
2013-2015	Jonathan Spicer, Academic Cardiothoracic Surgeon (Montreal, Canada)
2014-2016	Eric Sceusi, Cardiothoracic Surgeon (Atlanta, Georgia)
2014-2016	Awad El-Ashry, Cardiothoracic Surgeon (Meridian, Mississippi)
2014-present	Matthew Terwelp, Student, McGovern Medical School at UTHealth
2014-present	Monica Justo, Student, Rice University
2015-present	Justin Pham, Student, McGovern Medical School at UTHealth
2015-present	Andrei Loghin, University of Texas Undergraduate Student
2015-present	Nidal Ganim, University of Texas Cardiology Fellow
2015-present	Zoya Mohammad, Student, McGovern Medical School at UTHealth
2015-present	Carson Hoffman, Student, McGovern Medical School at UTHealth
2015-present	Mia Nishikawa, Yale University Undergraduate Student
2017-present	Alex Nissen, Surgery Resident, San Antonio, Texas
2018-present	Stephanie Nguyen, Student, McGovern Medical School; Fellow, Columbia Presbyterian, New York, New York
2017-present	Juan Umana, Fellow, Cardiothoracic Surgery, Cleveland Clinic, Cleveland, Ohio
2019-present	Benjamin Cohn, Student, McGovern Medical School at UTHealth

## RESEARCH INTERESTS

Transcatheter Aortic Valve Replacement (TAVR)  
 Transcatheter Mitral Valve Replacement (TMVR)  
 Mitral Valve Disease  
 Surgical Simulation and Education  
 Left Ventricular Volume Overload  
 Ischemic Mitral Regurgitation  
 Left Ventricular and Cardiac Mechanics, Bioenergetics, Physiology, and Pathophysiology  
 Passive Ventricular Constraint for Heart Failure  
 Transmural Left Ventricular Cardiac and Sheet Strains, Thickening, Myolaminar Fiber-Sheet Mechanics  
 Patent Disclosure: "An Adjustable Device for Ischemic Mitral Regurgitation" (Stanford Office of Technology Licensing, Docket S06-384)

## GRANT SUPPORT

### Current

Study: A Novel Surgical Planning Strategy for Optimal Mitral Intervention  
 Role: CO-Investigator  
 Sponsor: American Heart Association – Transformational Project Award  
 Period: 2019-present

Study: APOLLO  
 Role: CO-Principal Investigator

Sponsor:	Medtronic
Study:	ExCEED Clinical Trial, Prospective Single Arm Multicenter Trial of the CENTERA THV in intermediate risk patients
Role:	Principal Investigator
Sponsor:	Edwards
Study:	ExCEED Clinical Trial
Role:	Co-Investigator
Sponsor:	Edwards
Study:	Clinical Trial of the On-X valve using Low Dose Anticoagulation
Role:	Co-Investigator
Period:	2001-present
Study:	Mitral Valve Dynamics Analysis and Potential Clinical Implications
Role:	Co-Investigator
Sponsor:	National Institutes of Health: 5R01HL109597-04
Period:	2011-present
Study:	Synchronized Pulsatile Valveless Support Device for the Failing Heart
Role:	Co-Investigator
Sponsor:	NIH STTR Grant 1 R42 HL 117446-01
Period:	2013-Present
Study:	PARTNER II Trial Nested Registries for Patients with Aortic Stenosis and Intermediate Risk
Role:	Co-Investigator
Sponsor:	Edwards Lifesciences
Period:	2013-present
Study:	A Prospective Randomized Controlled Trial on Effectiveness of Extended Release Liposomal Bupivacaine in Postoperative Pain Control
Role:	Co-Investigator
Period:	2014-Present
Study:	A Risk Stratified Comparative Study Between Intermediate Risk Conventional AVR, Mini-AVR, and TAVR
Role:	Primary Investigator
Period:	2015-present
Study:	On-X Aortic Prosthetic Heart Valve Low Dose Warfarin Post Approval Clinical Study
Role:	Primary Investigator
Sponsor:	Cryolife
Period:	2015-present
Study:	Early Feasibility Study of the CardiAQ Transcatheter Mitral Valve Implantation System

Role: Co-Investigator  
Sponsor: Edwards Lifesciences  
Period: 2016-present

Study: 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, Symptomatic Aortic Stenosis

Role: Co-Investigator  
Sponsor: Edwards Lifesciences  
Period: 2016-present

Study: Percutaneous Transcatheter Mitral Valve Replacement via Transseptal or Transapical Approach in Patients Who Are Prohibitive Risk for Surgery

Role: Co-Investigator  
Period: 2016-present

Study: Evaluation of Human Amniotic Membrane Allograft for Prevention of New Onset Postoperative Atrial Fibrillation: A Multicenter Phase I/II Trial

Role: Primary Investigator  
Period: 2016-present

Study: The EXCEED Study  
Role: Primary Investigator  
Sponsor: Edwards

### **Past**

Study: Left Ventricular Restraint for Ischemic Mitral Regurgitation  
Role: Primary Investigator  
Sponsor: American Heart Association (AHA)  
Period: 1998

Study: Mitral Valve Annular Dynamics  
Role: Primary Investigator  
Sponsor: Bayer Pharmaceuticals Educational Grant  
Period: 2004

Study: Developing Handheld Tools for Surgical Education  
Role: Primary Investigator  
Sponsor: Schering Plough Educational Grant  
Period: 2005

Study: Fiber Sheet Strain with Ischemic Mitral Regurgitation  
Role: Primary Investigator  
Sponsor: Wyeth Pharmaceutical Educational Grant  
Period: 2007

Study: Developing a Pocket Handbook for Surgical Education

Role: Primary Investigator  
 Sponsor: Elsevier Publication Grant  
 Period: 2007

Study: Mitral Annular Dynamics After Ischemic Mitral Regurgitation in an Ovine Model

Role: Primary Investigator  
 Sponsor: Thoracic Surgery Foundation Research Endowment  
 Period: 2005-2006

Study: Fiber Sheet Dynamics of Pure Volume Overload after Mitral Regurgitation in an Ovine Model

Role: Primary Investigator  
 Sponsor: National Institutes of Health  
 Period: 2005-2007

Study: Novel Use of Cardiac Simulators for Cardiothoracic Surgery Education

Role: Primary Investigator  
 Sponsor: Columbia University  
 Period: 2010

Study: Use of Coronary Anastomosis Simulator for the Training of Cardiothoracic Surgery Residents—Deliberate Practice Model

Role: Primary Investigator  
 Sponsor: Thoracic Surgery Foundation Research Endowment Simulation Grant  
 Period: 2011

## PUBLICATIONS

**Abstracts** (Excludes titles presented or published as articles)

1. Cheng A, **Nguyen TC**, Malinowski M, Criscione JC, Daughters GT, Ingels NB, Miller DC. Passive Ventricular Constraint Prevents Transmural Shear Strain Progression in Left Ventricle Remodeling. 78<sup>th</sup> Annual Scientific Sessions of the American Heart Association. Dallas, Texas. (November 2005)
2. Cheng A, **Nguyen TC**, Malinowski M, Criscione JC, Daughters GT, Ingels NB, Miller DC. Effects of Undersized Mitral Annuloplasty on Regional Transmural LV Wall Strains and Wall Thickening Mechanisms. 78<sup>th</sup> Annual Scientific Sessions of the American Heart Association. Dallas, Texas. (November 2005)
3. Cheng A, **Nguyen TC**, Malinowski M, Criscione JC, Daughters GT, Ingels NB, Miller DC. Heterogeneity of LV Wall Thickening Mechanisms. 78<sup>th</sup> Annual Scientific Sessions of the American Heart Association. Dallas, Texas. (November 2005)
4. Cheng A, Langer F, Malinowski M, **Nguyen TC**, Criscione JC, Daughters GT, Ingels NB, Miller DC. Transmural Shear Strain Alteration Adjacent To And Remote From Infarcted Myocardium. 3<sup>rd</sup> Biennial Society for Heart Valve Disease Meeting. Vancouver, British Columbia, Canada. (June 2005) (Winner of Walt Lillehei Resident Presentation)



5. Cheng A, **Nguyen TC**, Malinowski M, Criscione JC, Daughters GT, Ingels NB, Miller DC. Undersized Mitral Annuloplasty Inhibits Basal Transmural LV Wall Thickening. 3<sup>rd</sup> Biennial Society for Heart Valve Disease Meeting. Vancouver, British Columbia, Canada. (June 2005)
6. Holcroft C, Driggers RW, **Nguyen TC**, Hutchins GM, Blakemore K. A Severe Case of Prune Belly with an Unusual Pathogenesis. 19<sup>th</sup> International Fetal Medicine and Surgery Society Meeting. Nantucket Island, Massachusetts. (September 2000)
7. **Nguyen TC**, Blakemore K, Hutchins GM. Obstructive Phimosis as the Cause of Severe Prune Belly Syndrome. 25<sup>th</sup> Biannual Society for Fetal Urology Conference. Chicago, Illinois. (October 2000)
8. **Nguyen TC**, Sohn TA, Cameron JL, Lillemoe KD, Campbell KA, Coleman J, Sauter PK, Abrams RA, Hruban RH, Yeo CJ. Standard Versus Radical Pancreaticoduodenectomy for Periapillary Adenocarcinoma: A Prospective Randomized Trial Evaluating Quality of Life in Pancreaticoduodenectomy Survivors. Digestive Disease Week 2002. San Francisco, California (May 2002)
9. Rodriguez F, **Nguyen TC**, Morton JM. Gastrointestinal Complications Following Coronary Artery Bypass Grafting: A National Study of Clinical Outcomes and Mortality Predictors. Submitted to Journal of Gastrointestinal Surgery. Digestive Disease Week 2005. Chicago, Illinois. (May 2005)
10. Langer F, Rodriguez F, Ortiz S, Cheng A, **Nguyen TC**, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Subvalvular Repair: The Key to Repairing Ischemic Mitral Regurgitation? 77<sup>th</sup> Annual Scientific Sessions of the American Heart Association. New Orleans, Louisiana. (November 2004) (Winner of the Vivien Thomas Resident Award)
11. Langer F, Rodriguez F, Cheng A, Ortiz S, **Nguyen TC**, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Posterior Mitral Leaflet Extension—An Adjunctive Repair Option for Ischemic Mitral Regurgitation? 85<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery. San Francisco, California. (April 2005)
12. **Nguyen TC**, Cheng A, Langer F, Rodriguez F, Criscione JC, Daughters GT, Ingels NB, Miller DC. Effects of Preload Reduction on Transmural End-Diastolic Fiber Length and Systolic Fiber Shortening. 78<sup>th</sup> Annual Scientific Sessions of the American Heart Association. Dallas, Texas. (November 2005)
13. **Nguyen TC**, Cheng A, Langer F, Rodriguez F, Oakes RA, Itoh A, Daughters GT, Ingels NB, Miller DC. Altered End-Systolic Shear Strains are Associated with LV Remodeling in Ischemic Mitral Regurgitation. Society of Thoracic Surgeons 42<sup>nd</sup> Annual Meeting. Chicago, Illinois. (January 2006)
14. Wigstrom L, Ennis DB, **Nguyen TC**, Miller DC, Ingels NB. The Visible Heart – Analysis of Myocardial Fiber Structure Using Three-Dimensional Histology. Experimental Biology. San Francisco, California. (April 2006)

15. **Nguyen TC**, Ennis DB, Riboh JC, Harrington KB, Wigstrom L, Daughters GT, Miller DC, Ingels NB. Regional Heterogeneity of Myofiber Orientation in the Ovine Left Ventricle. Experimental Biology. San Francisco, California. (April 2006)
16. Ennis DB, Wigstrom L, **Nguyen TC**, Skare S, Bammer R, Ingels NB, Miller DC. Structural Basis for Regional Heterogeneity of Left Ventricular Function? ISMRM 14<sup>th</sup> Scientific Meeting. Seattle, Washington. (May 2006)
17. **Nguyen TC**, Cheng A, Itoh A, Oakes RA, Liang D, Daughters GT, Ingels NB, Miller DC. Does Septal Lateral Annular Cinching (SLAC) Affect Left Ventricular Strains? 5<sup>th</sup> EACTS/ESTS. September 2006. (Stockholm, Sweden)
18. Itoh A, **Nguyen TC**, Cheng A, Oakes RA, Ennis DB, Kameda Y, Daughters GT, Ingels NB, Miller DC. Dobutamine Myocardial Strain Rate Response is Transmurally Inhomogeneous. 79<sup>th</sup> Annual Scientific Sessions of the American Heart Association. Chicago, Illinois. (November 2006)
19. Kindberg K, Carlhall CJ, **Nguyen TC**, Cheng A, Langer F, Rodriguez F, Daughters GT, Ingels NB, Karlsson M, Miller DC. Alterations in Diastolic Left Ventricular Transmural Strains from the Early to Late Postoperative Period. 79<sup>th</sup> Annual Scientific Sessions of the American Heart Association. Chicago, Illinois. (November 2006)
20. **Nguyen TC**, Cheng A, Itoh A, Oakes RA, Liang D, Daughters GT, Ingels NB, Miller DC. Transmural Strain Perturbations Following Septal-Lateral Annular Cinching. Bay Area Society of Thoracic Surgery. San Francisco, California. (January 2007)
21. Blazejewski J, **Nguyen TC**, Miller DC, Grande-Allen J. Ovine Myocardial and Valvular Changes After Experimental Mitral Regurgitation. 24<sup>th</sup> Annual Houston Conference on Biomedical Engineering Research. Houston, Texas. (February 2007)
22. **Nguyen TC**, Itoh A, Oakes RA, Tibayan FA, Kameda Y, Liang DL, Karlsson MO, Daughters GT, Ingels NB, Miller DC. Fixed Anterior Leaflet Edge 3D Position During End-Systole: An Important Component of Mitral Regurgitation. Experimental Biology. Washington DC. (April 2007)
23. **Nguyen TC**, Itoh A, Oakes RA, Timek TA, Ennis DB, Liang D, Daughters GT, Ingels NG, Miller DC. The Effects of "Pure" Mitral Regurgitation on Mitral Annular Dynamics. 87<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery. Washington DC. (May 2007)
24. Blazejewski J, **Nguyen TC**, Miller DC, Grande-Allen J. Ovine Valvular Changes after Experimental Mitral Valve Regurgitation. 4<sup>th</sup> Biennial Meeting of The Society for Heart Valve Disease. New York, New York. (June 2007)
25. Bothe W, Carlhall C, **Nguyen TC**, Itoh A, Timek TA, Lai D, Ingels NB, Miller DC. Early Mitral Leaflet Opening During Acute Ischemic Mitral Regurgitation. 4<sup>th</sup> Biennial Meeting of The Society for Heart Valve Disease. New York, New York. (June 2007)
26. Itoh A, **Nguyen TC**, Ennis DB, Bothe W, Carlhall CJ, Rodriguez F, Ingels NB, Miller DC. Papillary Muscle Torsion: A Potential Role in Ischemic Mitral Regurgitation. 4<sup>th</sup>

Biennial Meeting of The Society for Heart Valve Disease. New York, New York.  
(June 2007)

27. **Nguyen TC**, Itoh A, Oakes RA, Ennis DB, Liang D, Daughters GT, Ingels NB, Miller DC. Acute Mitral Regurgitation: Geometric Changes and Reduction with Inotropy. 4<sup>th</sup> Biennial Meeting of The Society for Heart Valve Disease. New York, New York. (June 2007)
28. Stephens EH, **Nguyen TC**, Miller DC, Grande-Allen J. Remodeling in an Ovine Mitral Valve Regurgitation Model. Biomedical Engineering Society Meeting. Los Angeles, California. (September 2007)
29. Bothe W, **Nguyen TC**, Ennis DB, Carlhall CJ, Itoh A, Lai D, Ingels NB, Miller DC. Regional and Temporal Insights into Mitral Orifice Area During Acute Ischemic Mitral Regurgitation. 21<sup>st</sup> EACTS Annual Meeting. Geneva, Switzerland. (September 2007)
30. Ho Y, **Nguyen TC**, Itoh A, Yeung AC, Fearon WF. Invasive Assessment of the Coronary Microcirculation: Novel Thermodilution Based Measure of Absolute Microvascular Resistance. American Heart Association Scientific Sessions. Orlando, Florida. (November 2007)
31. Stephens EH, **Nguyen TC**, Itoh A, Miller DC, Grande-Allen K. Mitral Leaflet Remodeling: Response to Isolated Mitral Regurgitation. American Heart Association Scientific Sessions. Orlando, Florida. (November 2007)
32. **Nguyen TC**, Carlhall CJ, Itoh A, Oakes RA, Ennis DB, Bothe W, Liang D, Daughters GT, Ingels NB, Miller DC. Alterations in Transmural Myocardial Strain: An Early Marker of Left Ventricular Dysfunction in Mitral Regurgitation? American Heart Association Scientific Sessions. Orlando, Florida. (November 2007) (Vivien Thomas Young Investigator Award Finalist)
33. Ennis DB, **Nguyen TC**, Itoh A, Carlhall CJ, Oakes RA, Bothe W, Liang D, Miller DC, Ingels NB, Miller DC. Non-uniform Transmural Remodeling in Ovine Chronic Mitral Regurgitation. FASEB. San Diego, California. (2008)
34. **Nguyen TC**, Carlhall CJ, Itoh A, Oakes RA, Ennis DB, Bothe W, Liang D, Daughters GT, Ingels NB, Miller DC. Transmural Myocardial Strain Perturbations in Asymptomatic Mitral Regurgitation. New Era Cardiac Care Conference as an Edwards Scholar. Carlsbad, California. (January 2008)
35. Itoh A, Ennis DB, Bothe W, Swanson JC, Krishnamurthy G, **Nguyen TC**, Ingels NB, Miller DC. Is Mitral Valve Hinge Motion Important for Leaflet Closure? American Association for Thoracic Surgery. San Diego, California. (May 2008) (Walt Lillehei Resident Presentation Finalist)
36. Bothe W, **Nguyen TC**, Roberts ME, Timek TA, Itoh A, Ingels NB, Miller DC. Presystolic Mitral Annular Septal-Lateral Shortening is Independent from Left Atrial and Left Ventricular Contraction During Acute Volume Depletion. 22<sup>nd</sup> Annual Meeting of the European Association for Cardiothoracic Surgery. Lisbon, Portugal. (September 2008)

37. Lee JT, **Nguyen TC**, Teshome M, Qiu M, Raghavan S, Dalman RL, Morton J. Is Carotid Artery Stenting Being Performed Preferentially in High Risk Surgical Patients? Society for Clinical Vascular Surgery. Ft. Lauderdale, Florida. (March 2009)
38. Ennis DB, **Nguyen TC**, Barnard GR, Itoh A, Skare S, Bothe WB, Ingels NB, Miller DC. Twelve Weeks of Chronic Mitral Regurgitation Alters Myocardial Structure as Measured by Diffusion Tensor MRI. International Society for Magnetic Resonance in Medicine (ISMRM). Honolulu, Hawaii. (April 2009)
39. Kung G, **Nguyen TC**, Itoh A, Skare S, Ingels NB, Miller DC, Ennis DB. Diffusion Tensor MRI Mapping of Two Local Myocardial Sheet Orientations with Histological Validation. Annual Biomedical Engineering Society. Austin, Texas. (October 2010)
40. **Nguyen TC**, Sonett J. Catamenial Pneumothorax: Intraoperative Identification, Treatment, and Avoidance of Pitfalls. Southern Thoracic Surgical Association. San Antonio, Texas. (November 2011)
41. Babaliaros B, Thourani V, Lerakis S, Mavromatis K, **Nguyen TC**, Shults CC. Is it Safe to Stretch a SAPIEN Valve? A Case of Successful Valve-in-Valve TAVR to Correct Severe Paravalvular Leak in a Patient with Undersized Aortic Valve. Transcatheter Cardiovascular Therapeutics (TCT). Miami, Florida. (October 2012)
42. Thourani VH, Gunter RL, Neravetla S, Block P, Guyton RA, Kilgo P, Devireddy C, Leshnower B, Mavromatis K, Stewart J, Simone A, Keegan P, Merlino J, Lerakis S, **Nguyen TC**, Babaliaros V. Transcatheter Aortic Valve Replacement Since US FDA Approval: Use of Non-Transfemoral Techniques (Transaortic, Transapical, and Transcarotid) in Inoperable Patients. 59<sup>th</sup> Annual Meeting of the Southern Thoracic Surgical Association. Naples, Florida. (November 2012)
43. **Nguyen TC**, Babaliaros VC, Kilgo PD, Guyton RA, Devireddy CM, Shults CC, Mavromatis K, Kanitkar M, Block PC, Lerakis S, Thourani VH. Preoperative Chronic Kidney Dysfunction: Does Transcatheter Aortic Valve Replacement Provide a Benefit Compared to Surgical Aortic Valve Replacement? AATS. Minneapolis, Minnesota. (2013)
44. **Nguyen TC**, Babaliaros VC, Kilgo PD, Guyton RA, Devireddy CM, Shults CC, Mavromatis K, Kanitkar M, Block PC, Lerakis S, Thourani VH. Transcatheter Aortic Valve Replacement Risk Neutralizes the Increased Mortality in Extremes of Body Mass Index Compared to Surgical Aortic Valve Replacement. SHVD. Venice, Italy. (June 2013)
45. **Nguyen TC**, Babaliaros VC, Kilgo PD, Guyton RA, Devireddy CM, Shults CC, Mavromatis K, Kanitkar M, Leshnower BG, Block P, Lerakis S, Thourani VH. Transcatheter Aortic Valve Replacement in Nonagenarians. SHVD. Venice, Italy. (June 2013)
46. **Nguyen TC**. Transcatheter Aortic Valve Migration and Embolization. Clinical Focus Session. ACC. San Francisco, California. (2013)

47. **Nguyen TC**, Babaliaros VC, Kilgo PD, Devireddy CM, Leshnower B, Mavromatis K, Guyton RA, Kanitka M, Block P, Lerakis S, Merlino J, Chen EP, Thourani VH. TAVR has Improved Short-term, But Similar Mid-Term Outcomes in Patients Undergoing Surgical Aortic Valve Replacement Following Prior CABG. Southern Society of Thoracic Surgery. Scottsdale, Arizona. (November 2013)
48. **Nguyen TC**, Razavi SA, Halkos ME, Kilgo PD, Puskas JD, Guyton RA, Lattouf OM, Leshnower B, Chen EP, Thourani VH. Incidence of Postoperative Stroke using the Heartstring Device in 1380 CABG Patients with Mild to Severe Atherosclerosis of the Ascending Aorta. Southern Society of Thoracic Surgery. Scottsdale, Arizona. (November 2013)
49. Thourani VH, Maas A, Devireddy C, Lerakis S, Kilgo P, Leshnower B, Mavromatis K, **Nguyen TC**, Kanitkar M, Block P, Guyton RA, Li C, Ford L, Peterson D, Merlino J, Babaliaros V. Comparison of Cost-Effectiveness of Transcatheter Aortic Valve Replacement Using the Minimalist or Standard Approaches. TCT. San Francisco, California. (2013)
50. Babaliaros V, Lerakis S, Devireddy C, Leshnower B, Mavromatis K, Guyton R, Kanitkar M, **Nguyen TC**, Keegan P, Simone A, Stewart J, Block P, Thourani VH. Comparison of a Minimalist Approach Transfemoral TAVR with Standard Approach Transfemoral TAVR in a US Center. TCT. San Francisco, California. (2013)
51. Thourani VH, Devireddy CM, Lerakis S, Kilgo PD, Leshnower BG, Mavromatis K, **Nguyen TC**, Kanitkar M, Block PC, Guyton RA, Maas AL, Merlino J, Babaliaros V. Comparison of Non-Transfemoral TAVR Techniques: Transapical, Transaortic, and Transcarotid Approaches in High-Risk and Inoperative Patients with Severe Aortic Stenosis. STS. Orlando, Florida. (2013)
52. **Nguyen TC**, Tsai LL, Kilgo PD, Higgins R, Chen EP, Halkos ME, Guyton RA, Thourani VH. Socioeconomic Disparities in Blacks and Whites in Mini versus Standard Aortic Valve Replacements. AHA. Dallas, Texas. (2013)
53. Odell D, Macke R, Tchantchaleishvili V, Loor G, Nelson JS, LaPar DJ, Lazar JF, Wei B, DeNino WF, Berfield K, Stein W, Youssef SJ, **Nguyen TC**. Resident Perceptions of Technical Skills Education in Modern Cardiothoracic Surgery Training: Results from the 2013 In-Training Examination Survey. STS. Orlando, Florida. (2014)
54. **Nguyen TC**. Aortic Stenosis: Where we've been; Where we are; Where we're going. Houston Aortic Symposium. Houston, Texas. (March 2014)
55. Estrera AL, **Nguyen TC**. There's no I in TEAM or TAVR: Building an Transcatheter Aortic Valve Program. Texas Surgical Society. Houston, Texas. (April 2014)
56. Sandhu HK, Charlton-Ouw KM, Leak SS, Afifi RO, Azzizadeh A, **Nguyen TC**, Safi, HJ, Estrera AL, Miller CC III. Is the Seasonal Variation in Acute Aortic Dissection Occurrence Associated with Flu Activity? AHA. Chicago, Illinois. (2014)
57. Afifi RO, Sandu HK, Leake SS, Jumar V, Azizzadeh A, Charlton-Ouw JM, **Nguyen TC**, Miller CC, Safi HJ, Estrera AL. Outcomes of Patients with Acute Type B

- (DeBakey III) Aortic Dissection: A 13 Year Single Center Experience. AHA. Chicago, Illinois. (2014)
58. **Nguyen TC**. TAVR: Past, Present, and Future. 24<sup>th</sup> Annual Congress of the Association of Cardiovascular Surgeons of Asia. Vietnam. (2014)
  59. Estrera AL, Sandhu H, **Nguyen TC**, Azizzadeh A, Charlton-Ouw KM, Miller CC III, Safi HJ. Early and Late Outcomes After Complete Aortic Replacement. Southern Thoracic Surgery Association. Arizona (November 2014)
  60. Odell D, LaPar D, Macke RA, Loor G, DeNino WF, Stein B, Nelson JS, Berfield K, Lazar J, Tchantchaleishvili V, Youssef S, **Nguyen TC**. Learning Habits of the Current Cardiothoracic Resident: Analysis of the In-Training Examination Survey. Southern Thoracic Surgery Association. Arizona. (November 2014)
  61. **Nguyen TC**, Odell D, Terwelp M, Stephens EH, Loor G, LaPar DJ, DeNino WF, Wei B, Aftab M, Macke RA, Nelson JS, Berfield K, Lazar J, Stein W, Youssef SJ, Tchantchaleishvili V. Residents' Perceptions of 2 versus 3-year Cardiothoracic Training Programs (2013 and 2014 TSRA/TSDA In-Training Exam Survey). Southern Thoracic Surgery Association. Arizona. (November 2014)
  62. Stephens EH, LaPar DJ, Odell DD, Stein W, Aftab M, Berfield KS, Eilers AL, Groth SS, Lazar JF, Robich MP, Shah AA, Smith DA, Stephens EH, Stock CT, DeNino WF, **Nguyen TC**. A Decade of Change: Training and Career Paths of Cardiothoracic Surgery Residents 2003-2014. STS. San Diego, California. (January 2015)
  63. Tchantchaleishvili V, LaPar DJ, Odell DD, Stein W, Aftab M, Berfield KS, Eilers AL, Groth SS, Lazar JF, Robich MP, Shah AA, Smith DA, Stephens EH, Stock CT, DeNino WF, **Nguyen TC**. Predictors of Career Choice Among Cardiothoracic Surgery Trainees. STS. San Diego, California. (January 2015)
  64. Rice R, Sandhu HK, Leake SS, Azizzadeh A, Charlton-Ouw KM, **Nguyen TC**, Miller CC III, Safi HJ, Estrera AL. Is Total Arch Replacement Associated with Worse Outcomes During Repair of Acute Type A Aortic Dissection? STS. San Diego, California. (January 2015)
  65. Afifi RO, Sandhu H, Leake S, Azizzadeh A, Charlton-Ouw KM, Miller CC III, **Nguyen TC**, Estrera AL, Safi HJ. Determinants of Operative Mortality in Patients with Acute Ruptured Type A Aortic Dissection. STS. San Diego, California. (January 2015)
  66. Kim H, Choi A, **Nguyen TC**, McPherson DD. Neochordoplasty Versus Quadrangular Resection for Ruptured Chordae Treatment: A Virtual Mitral Valve Repair Study. Mitral Conclave. New York, New York. (April 2015)
  67. Balan P, **Nguyen TC**, Estrera AL, Smalling R. STS Risk Score as Predictor of 30-day TAVR Mortality. Society for Cardiovascular Angiography and Interventions Annual Scientific Sessions. San Diego, California. (May 2015)

68. Choi A, **Nguyen TC**, McPherson DD, Kim H. Virtual Mitral Valve Repair for Improved Pre-surgical Planning: Quantitative Evaluation of Neochordoplasty versus Leaflet Resection. AHA. Orlando, Florida. (2015)
69. Macaluso A, Martin RE, **Nguyen TC**, Sheinbaum R, Miller CC, Masters K, Patel B. Strategic and Integrated Continuous Quality Improvement Successfully Reduces Post-op CABG Ventilation Hours Below the STS Benchmark. UHC. Orlando, Florida. (2015)
70. Ramm CJ, Vavalle JP, **Nguyen TC**, Sampson AJ, Huang P, Foster JA, Thourani VH, Krishnaswamy A, Demyanenko V, Wang TY. Cardiologists Refer Patients with Aortic Stenosis Later and with Symptoms Than Non-Cardiologists. American Heart Association QCOR. Phoenix, Arizona. (February 2016)
71. **Nguyen TC**, Thourani V, Yelin Z, Pham JQ, Terwelp MD, Balan P, Ocazonez D, Estrera A, Lamelas J. Traditional Sternotomy versus Minimally Invasive Aortic Valve Replacement in Patients with Left Ventricular Dysfunction. ISMICS. Montreal, Canada. (2016)
72. **Nguyen TC**, Thourani V, Zhao Y, Terwelp MD, Balan, Ocazonez D, Estrera A, Smalling R, Babaliaros VC, Lamelas. Comparison of Surgical Aortic Valve Replacement, Minimally Invasive Valve Replacement, and Transcatheter Aortic Valve Replacement in 2571 Patients. AATS. Baltimore, Maryland. (2016)
73. **Nguyen TC**. Building a Minimally Invasive Valve Program. The Houston Aortic Symposium. Houston, Texas. (March 2016)
74. **Nguyen TC**. Past, Present, and Future of Valvular Heart Disease. 7<sup>th</sup> Annual Re-Evolution Summit, Minimally Invasive Cardiac Surgery: The Ultimate Hands on Experience. Houston, Texas. (March 2016)
75. Balan P, Zhao Y, Arain S, Loyalka P, Kar B, Estrera TE, Smalling R, **Nguyen TC**. STS Risk Score as a Predictor of 30-day Mortality in Transcatheter versus Surgical Aortic Valve Replacement. ACC. Chicago, Illinois. (2016)
76. Ramm CJ, Vavalle JP, **Nguyen TC**, Sampson AJ, Huang PH, Foster JA, Thourani VH, Krishnaswamy A, Demyanenko V, Wang TY. Cardiologists Refer Patients with Aortic Stenosis Later and with More Symptoms Than Non-Cardiologists. ACC. Chicago, Illinois. (2016)
77. **Nguyen TC**, Thourai VT, Terwelp MD, Zhao Y, Balan P, Loghin C, Ocazonez D, Estrera AL, Smalling R, Babaliaros VC, Lamelas J. Comparison of Surgical Aortic Valve Replacement, Minimally Invasive Valve Replacement, and Transcatheter Aortic Valve Replacement in 2571 Patients. AATS. Baltimore, Maryland. (2016)
78. **Nguyen TC**, Thourani V, Pham JQ, Zhao Y, Terwelp MD, Balan P, Ocazonez D, Loghin C, Smalling R, Estrera AL, Lamelas J. Traditional Sternotomy versus Minimally Invasive Aortic Valve Replacement in Patients with Left Ventricular Dysfunction. ISMICS. Montreal, Canada. (2016)

79. Bader A, **Nguyen TC**, Estrera AL, Safi HJ, Body SC, Prakash S. Influence of Aortic Size on Elective Aortic Surgery: Insights from GenTAC and BAVCon. GENTAC. Washington DC. (September 2016)
80. Landinez G, **Nguyen TC**, Zhao MS, Balan P, Smalling R, Kar B, Loyalka P, Swob J, Ocazionez. Increased Need of Temporary or Permanent Electrophysiologic Support after Transcatheter Aortic Valve Replacement in Patients with Calcified Plaque Extending from the Aortic Annulus to the Left Ventricular Outflow Tract. North American Society of Cardiovascular Imaging. Baltimore, Maryland. (October 2016)
81. **Nguyen TC**, Terwelp MD, Thourani VH, Zhao Y, Balan B, Justo M, Ganim J, Lamelas J. Clinical Trends in Surgical, Minimally Invasive, and Transcatheter Aortic Valve Replacement in 2,571 patients. European Association for Cardiothoracic Surgery. Barcelona, Spain. (October 2016)
82. **Nguyen TC**. Trends in Minimally Invasive Mitral Valve Surgery. International Society of Minimally Invasive Cardiothoracic Surgery. Kyoto, Japan. (October 2016)
83. **Nguyen TC**. Building a Minimally Invasive Valve Program. International Society of Minimally Invasive Cardiothoracic Surgery. Kyoto, Japan. (October 2016)
84. Antonoff MB, Luc J, **Nguyen TC**, Fowler C, Eisenberg SB, Wolf RK, Estrera AL, Vaporciyan. Implementation of a Novel Debate Style Cardiothoracic Surgery Journal Club for Trainee Acquisition and Application of Seminal Literature: Results of a Pilot Curriculum. Society of Thoracic Surgery. Houston, Texas. (January 2017)
85. Ekeruo IA, Firstenberg M, Mehran R, Fullerton D, Thourani V, Mitchell K, De La Guardia G, Balan P, Philips A, Hurwitz J, **Nguyen TC**. Timing and Algorithm of Permanent Pacemaker Implantation after TAVR. ACC. Washington DC. (March 2017)
86. Tjaden B, Charlton-Ouw K, **Nguyen TC**, Estrera AL, Azizzadeh A. Endovascular Retrieval of a Foreign Body. Society for Clinical Vascular Surgery, 45<sup>th</sup> Annual Symposium. Lake Buena Vista, Florida. (March 2017)
87. Arain S, Zhao Y, Al-Khafji J, Lambeth K, Dhoble A, **Nguyen TC**, Kar B, Smalling RW, Balan P. Transapical TAVR is Associated with Higher Morbidity and Mortality Compared to Transfemoral TAVR in Men But Not in Women. American College of Cardiology. Washington DC. (March 2017)
88. Ocazionez D. **Nguyen TC**, Balan P, Au J, Chaturvedi A, Vargas D. Hanna M, Kicska G. Imaging Assessment of Postprocedural Complications after Transcatheter Aortic Valve Replacement. 4<sup>th</sup> World Congress of Thoracic Imaging. Boston, Massachusetts. (June 2017)
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### Book Chapters

1. Lillemoe K, **Nguyen TC**. Bile Duct Injuries and Strictures. *Pocket General Surgery*, 2001.
2. Lillemoe K, **Nguyen TC**. Small Bowel Tumors. *Pocket General Surgery*, 2001.
3. **Nguyen TC**, Section Editor. "ICU Procedures" In Tribble CG, Hobson CE, Thaemert NL. *ICU Recall*, 3<sup>rd</sup> edition. Lippincott Williams and Wilkins, 2009.
4. **Nguyen TC**, Section Editor. "Gastrointestinal Disease" "ICU Procedures" In Tribble CG, Hobson CE, Thaemert NL. *ICU Recall*, 3<sup>rd</sup> edition. Lippincott Williams and Wilkins, 2009.
5. **Nguyen TC**. Mitral Stenosis. In Mery CM, Turek JW (eds). *TSRA Review of Cardiothoracic Surgery*. 1<sup>st</sup> edition. Chicago: Thoracic Surgery Residents Association, 2011.
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### eBooks

1. **Nguyen TC**, Editor. *pocketScalpel (Surgery Handbook)*. 1<sup>st</sup> ed. Palo Alto, Ca; 2003.
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7. **Nguyen TC**. Adult Trauma Guidelines: Stanford Training Programs. 1<sup>st</sup> ed. Palo Alto, Ca; 2010.
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#### INVITED LECTURES/PRESENTATIONS

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|------|--|
| 2014 | Association of Thoracic and Cardiovascular Surgeons of Asia, "Minimally Invasive Approaches to the Treatment of Aortic and Mitral Disease." ( <b>Hanoi, Vietnam</b> )                |
| 2015 | University of Texas Family Medicine Grand Rounds, "Future of Structural Heart Disease." ( <b>Houston, Texas</b> )  |
| 2015 | Houston Club, Distinguished Leadership Panel, "Signs and Symptoms of Valvular Heart Disease." ( <b>Houston, Texas</b> )  |
| 2015 | Texas Fresh Air, "The Future of Valvular Heart Disease." ( <b>Austin, Texas</b> )  |
| 2015 | EPIC-SEM, "Complex TAVR—Balloon Expandable Valve." ( <b>Atlanta, Georgia</b> )   |
| 2015 | New Trends in the Management of Cardiovascular Diseases, "Advances in Valvular Heart Disease." ( <b>Saigon, Vietnam</b> )  |
| 2015 | EPIC-SEM, "New Guidelines for SAVR and TAVR." ( <b>Atlanta, Georgia</b> )  |
| 2016 | ACC 2016, "Mitral Valve Endocarditis in a Young Woman of Child Bearing Age with Recent Hemorrhagic CVA." ( <b>Chicago, Illinois</b> )  |
| 2016 | 18 <sup>th</sup> South China International Congress of Cardiology, "Minimally Invasive Valve Surgery—Past, Present, and Future." ( <b>Guangzhou, China</b> )                         |
| 2016 | Beijing Medical School, "Pearls and Pitfalls of Transcatheter Aortic Valve Therapies." ( <b>Beijing, China</b> )   |
| 2016 | International Society of Minimally Invasive Cardiothoracic Surgery (ISMICS) Winter Workshop, "Future of Transcatheter Therapies for Valvular Heart Disease." ( <b>Kyoto, Japan</b> ) |
| 2017 | EPIC-SEM, "Technical Considerations—Transcatheter Aortic Valve-in-Valve." ( <b>Atlanta, Georgia</b> )  |
| 2017 | The Heart Surgery Forum, "Minimally Invasive Mitral Surgery: Should this be the New Gold Standard." ( <b>Zagreb, Croatia</b> )   |
| 2017 | Cardiovascular Surgery and Cardiac Intervention, "Technical Considerations—Transcatheter Aortic Valve-in-Valve." ( <b>Hanoi, Vietnam</b> )   |
| 2017 | New Trends Congress, "Minimally Invasive Aortic Valve Replacement with the Sutureless Aortic Valve." ( <b>Saigon, Vietnam</b> )  |
| 2019 | Singapore Live, "Fracturing transcatheter heart valve." ( <b>Singapore, Malaysia</b> )   |

- 2020 Society of Thoracic Surgeons (STS) 56<sup>th</sup> Annual Meeting and Exhibition, Leadership Academy 2020, "Finding Joy and Purpose in Life." (**New Orleans, Louisiana**)
- 2020 Society of Thoracic Surgeons (STS) 56<sup>th</sup> Annual Meeting and Exhibition, "Building and Promoting Your Brand." (**New Orleans, Louisiana**)
- 2020 Society of Thoracic Surgeons (STS) 56<sup>th</sup> Annual Meeting and Exhibition, Tech-Con 2020, "Will transcatheter mitral technology take off like TAVR." (**New Orleans, Louisiana**)