# Divyakant B. Gandhi, MD FACS FRCS (Eng.) FRCS(Ed.) 3917 Hemmingway Dr.

3917 Hemmingway Dr. Okemos, MI 48864-3758 (517) 256-0503

ictvsurgeon@gmail.com

Web Site: cardiacsurgeongandhi.com

Oual	ifications			
<b>C</b>	Board Re-Re-Cert.	American Board of Thoracic Surgery	Dec.	2012
	CAPPM	American Academy of Medical Manager	ment	Oct.
2003	Board	Certification American Board of Surgery		
June	1994			
	FRCS (Eng.)	Royal College of Surgeons, England	Jan.	1982
	FRCS (Ed.)	Royal College of Surgeons, Edinburgh	Nov.	1981
	LRCP, MRCS	Conjoint Examining Board, London	May	1980
	MB BS	Mumbai University, India	Oct.	1976
Surg	ical Experience			
	-	icic & Vascular Surgeon		
	McLaren Greater La	nsing (MGL previously IRMC) MI	July 1993 - P	resent
	Hayes Green Beach	Hospital, Charlotte, MI	Aug. 1995	- 2010
		ofessor, Dept. of Osteopathic Surgical Specialties,		
	Michigan State Univ		Oct. 2007 - I	Present
		ofessor of Surgery, College of Human Medicine,		
	Michigan State Univ		Oct. 2001 - I	
	McLaren Regional M	Medical Center, Flint, MI	Oct. 2004 – Dec	
	EMC II.	. 1. T	Sept. 2019 - P	
	E.W. Sparrow Hospi	· · · · · · · · · · · · · · · · · · ·	July 1993 - Sept	
	Memoriai HealthCar	e Center, Owosso, MI	Oct. 1995 - Dec.	2000
Surg	ical Log (Jul. 1993	3 - Jun. 2021)		
	Cardiac Surgery			5452
	Mitral Valve	Repair		342
		estoration (TRISVR, CORRESTOR, etc.)		92
		Replacement +/- CABG		565
		Replacement with Stentless Bioprosthesis		103
		Replacement +/ Replacement of Ascending Aorta		173
		Revascularization (On & Off Pump)		<b>7</b> 00
	` •	al IMA's, IMA's with Radial Art.)		580
		Surgery for Atrial Fibrillation		174
	Miscellaneou	is √ Replacement, Cox-Maze IV, Tricuspid Repair, A	SD ASD)	3423
	(CADO, MI	Replacement, Cox-Maze IV, Illeuspiu Repail, A	(SD, VSD)	3423
	Thoracic Surgery			2351
		ery for Lung, Esophageal and Mediastinal Conditi		223
	• •	geal Operations including Cancer Hernia Repair e	etc.	113
	• •	Pneumonectomy		423
	Sleeve Lobec Miscellaneou	cotmy, Resection of Sup. Sulcus Tumor		38

(Wedge Resection, Decortication, VATS, Resection of Zenker's, etc.)

1667

Vascular Surgery (Open Repair AAA, Carotid Endarterectomy Etc.) 467 **Practice Management & Other Achievements** - Private practice Jul. 1995 - Nov. 2005 Average increase in Surgical Volumes by 8-12% per year A direct result of building referral relationships by providing excellent, timely, efficient, & compassionate surgical service - Developed outreach clinics - Mobile home services Aug. 1995 - July 1996 - Weekly/Monthly Out patient Clinics at Jackson, Charlotte, Alma, Owosso, Mt. Pleasant & Flint July 1996 - Nov. 2004 - Developed Vascular Lab of Mid Michigan Jan. 2002 - Nov. 2005 - A Mobile service providing Echocardiography & Arterial and Venous Doppler evaluations at 4-5 Family Practice clinics and one Hospital. - Director, Multidisciplinary Thoracic Oncology Conference & Clinic at MGL Jul. 1996 - Present - Spearheaded and directed development of multidisciplinary approach to treatment of Thoracic Cancers 1996 - Development of Multidisciplinary Lung Cancer Conference 2001 - Institution of Hospital sponsored Lung Cancer Screening Program with Low Dose Helical CT Scan 2011 - Started & developed Afib Center at IRMC in conjunction with EP Colleague Dr J Ip Aug. 2007 Have performed over 100 Minimally Invasive Afib surgeries with 85% long-term success Totally Thoracoscopic Principal Co-Investigator Loop Recorder Implantation post-Afib surgery for long term monitoring of freedom from Afib by unique, innovative tracking of P-Wave potentials Feb. 2008 Delivered 15 Community and Physician Education Seminars - Started Robotic Thoracic Surgery Program at IRMC May 2008 Have performed 223 Totally Robotic Thoracic Surgeries including Lobectomies, Radical Thymectomies, Heller Myotomy & Paraesophageal Hernia's - MGL Medical Staff Committee Member - Continuing Medical Education, Quality Assurance & Privileges Jan. 2006 - Present - Critical Care Jan. 2010 - Dec. 2019 - Medical Director, Cardio-Thoracic & Vascular Surgery, MGL Nov. 2014 - Jan. 2019 - Chief, Division of Cardio-Thoracic & Vascular Surgery, MGL Jan. 2015 - Present - Physician Champion, MSTCVS Quality Collaborative Project Jan. 2015 - Present - Physician Liasion Officer - Commission on cancer for MGL Jun.2012 - Nov. 2017 - Member at Large – Mclaren Greater Lansing Executive Committee Jan. 2014 - Dec. 2019 - Chief of Staff – Elect & Chair person Credentialing Committee Jan. 2020 - Dec. 2021 - Chief of Staff Jan. 2021 - Dec. 2023 - Top Doctor Award - Cardio-Thoracic Surgery 2021

- The Inner Circle: Pinnacle Professional Member, Continental Who's Who

## 2021

### **Surgical Residency**

Thoracic Surgery	Medical College of Wisconsin, Milwaukee, WI	July 1991 - June 1993
General Surgery	Bronx-Lebanon Hospital, Bronx, NY	Jan. 1986 - June 1991
Surgical Registrar	St. Bartholomew's Hospital, Rochester, Kent, U.K.	Nov. 1983 - June 1985
Registrar, Gen. Surgery	Birch Hill Hospital, Rochdale, Lancs. U.K.	May 1982 - Oct. 1983
SHO, Gen. Surgery/E.R.	. Birch Hill Hospital & Rochdale Infirmary	June 1980 - Apr. 1982
Registrar, CVT Surg.	K.E.M. VII Memorial Hospital, Mumbai, India	Feb. 1978 - May 1979
HO, Surgery	K.E.M. VII Memorial Hospital, Mumbai, India	May 1976 - Jan. 1978

#### **Unaccounted Periods**

June 1979 - Dec. 1979 Emigrating to the U.K., completing requirements for UK licensure
Jan. 1980 - Apr. 1980 Primary FRCS Course, Royal College of Surgeons, London, U.K.
July 1985 - Dec. 1985 Emigrating to the U.S.A., completing Visa & Licensure for the U.S.A.

#### Research

- Development of techniques and production of Glutaraldehyde preserved stented Homograft and Xenograft Aortic valves and Bovine Pericardial valves

with Prof. Sharad Panday, KEM Hospital, Mumbai, June 1978 - May 1979

- Clinical Evaluation of various Graduated Compression Stocking for DVT Prophylaxis during the Peri-operative period

with Mr. I Schraibman, Birch Hill Hospital, Rochdale, U.K Mar. 1981 - Feb. 1982

- Development of Chordally supported Quadricusp Mitral Valve and evaluating hemodynamic profiles of different valvular configurations and

mechanisms causing Mitral valvular dysfunction

July 1979 - Mar. 1980

- Utilization of Implanted Loop-Recorders for Long-Term Surveillance of Patients to assess the efficacy of Epicardial Ablation of Pulmonary Veins for Atrial Fibrillation

with Prof. Robert W.M. Frater, A.E.C.O.M., Bronx, N.Y.

with Dr. John Ip, I.R.M.C., Lansing, MI Sept. 2007 - Dec. 2010

#### **Publications**

- 1. Panday S, Karbhase JN, **Gandhi DB** et al. Surgical Management of VSD's following Myocardial Infarction. *Indian Heart Journal*. 1980 July;32(4);253-6
- 2. Panday S, Karbhase JN, Shah SK, **Gandhi DB**, Shroff RF. Superior Mesenteric Artery Aneurysm after resection of Left Ventricular Aneurysm. *International Surgery*. 1982 Oct-Dec;67(4 Suppl):491-2
- 3. **Gandhi DB**, Palmar JR, Lewis B, Schraibman IG. Clinical Comparison of Elastic supports for venous diseases of the lower limb. *Postgraduate Medical Journal*. 1984 May;60(703):349-52
- 4. **Gandhi DB**, Frater RWM. Stentless, Chordally Supported Quadricusp Mitral Bioprosthesis. *Poster Presentation 29th Annual STS Meeting*. 1993 Jan. 25-27
- 5. **Gandhi DB.** Recent Advances in Management of Lung Cancer. *Health Bulletin, Lansing State Journal*. 1996 April
- 6. **Gandhi DB.** Atrial fibrillation A new, minimally invasive procedure could be a relief for those who suffer. *Healthy & Fit*, 2007 Oct.
- 7. Gandhi DB. A Heart to Heart Foir Mitrla Valve Disorders: Should we Repair or Replace? Healthy & Fit.

- 2007 Nov.
- 8. **Gandhi DB.** Congestive Hearts Knowing what you are dealing with could help with treatment. *Healthy Fit* 2008 Jan.
- 9. **Gandhi DB.** Heart Surgery Surgical options in management of Congestive Heart Failure. *Healthy & Fit* Feb. 2008
- 10. Punnam SR, Hadia T, Franklin PB, **Gandhi DB,** Abela GS, Shah DO, Prieto AA. Shaft aneurysm of femoropopliteal expanded ploytetrafluoroethylene graft treated with a covered stent. *Vasc. Endovascular Surg.* 2008 Aug-Sep;42(4):386-40.
- 12. **Gandhi DB** et al. Continuous Atrial Fibrillation Surveillance Post Atrial Fibrillation-Ablation Using Implantable Loop Recorder: A Novel Approach. *Poster presentation: 30<sup>th</sup> Annual Meeting HRS*, Boston May 13-16 2009
- 13. **Gandhi DB** et al. Limited Thoracotomy Approach for Pulmonary Vein Isolation in Patients with Symptomatic Refractory Atrial Fibrillation: Clinical Outcomes, *Poster Presentation:* 58<sup>th</sup> Annual Meeting ACC, Orlando Mar. 28-31 2009
- 14. **Gandhi DB** et al. Continuous Surveillance of Atrial Fibrillation Recurrence after Pulmonary Vein Isolation: A Novel Approach using Implantable Loop Recorder, *Poster Presentation:* 58<sup>th</sup> Annual Meeting ACC, Orlando Mar. 28-31 2009
- 15. Viqar M, **Gandhi DB**, Grimes D, Boak J, Cousineau S, Ip J. Surveillance of AF recurrence post-AF ablation using Implantable Loop Recorder. *Presentation: 31st Annual Scientific Sessions Heart Rhythm Society* Denver, Colorado 2010 May 12-15
- Gandhi DB et al. Clinical Outcomes of Minimally Invasive Surgical Ablation for Isolated Atrial Fibrillation PRESENTATION: 20<sup>th</sup> World Congress, World Society of Cardiothoracic Surgeons, Chennai, India Oct. 20-23, 2010
- 17. **Gandhi DB** et al. Assessment of factors Responsible for Establishment of a Successful Robotic-Assisted Thoracic Surgery Program at a Small Community Hospital,

  \*Poster Presentation, Annual Meeting International Society of Minimally Invasive Cardio-Thoracic Surgery, Washington D.C. June 8-11, 2011
- 18. Ip JH, Viqar-Syed M, Grimes D, Xie Y, Jager K, Boak J, **Gandhi DB.** Surveillance of AF recurrence post-surgical AF ablation using implantable cardiac monitor. *Journal of Interventional Cardiac Electrophysiology*. 2012 Jan;33(1):77-83
- 19. Patel AJ, Mehta RM, **Gandhi DB,** Bossone, Mehta RH. Coronary aneurysm and purulent pericardial effusion: old disease with an unusual cause. *Ann Thorac Surg.* 2013 May;95(5):1791-3
- 20. Philpott JM, Zemlin CW, Cox JL, Stirling M, Mack M, Hooker RL, Morris A, Heimansohn DA, Longoria J, **Gandhi DB,** McCarthy PM. The ABLATE Trial: Safety and Efficacy of Cox-Maze-IV Using a Bipolar Radiofrequency Ablation System. *Ann Thorac Surg.* 2015 Nov;100(5):1541-6; discussion 1547-8
- 21. Strobel RJ, Harington SD, Hill C, Thompson MP, Cabrera L, Theurer P, Wilton P, **Gandhi DB**, DeLucia A, Paone G, Wu X, Zhang M, Krein SL, Prager RL, Likosky DS; MSTCVS-QC. Evaluating the impact of PneumoniaPrevention Recommendations After Cardiac Surgery. *Ann Thorac Surg.* 2020 Sep;110(3):903-910
- 22. Soos M, Rahman M, Laxina I, Gonzalez-Morales D, **Gandhi DB,** Kang A, Kanjwal K. Retropectoral Hematoma: A rare complication following biventricular implantable cardiac defibrillator upgrade. *Heart Rhythm*. Case Rep. 2021 Feb 3;7(4):255-258
- 22. Bond CJ, Milojevic M, He C, Theurer PF, Clark M, Pruitt AL, **Gandhi DB**, DeLucia A, Dabir R, Quality Improvement: Arterial Grafting Redux, 2010:2019. Ann Thorac Surg. 2021 Jul;112(1):22-30
- 22. Brescia AA, Clark MJ, Theurer PF, Lall SC, Nemeh HW, Martin DE, Dabir, RR, Asfaw ZE, Robinson PL, Harrington SD, **Gandhi DB**, Walijee JF, Englesbe MJ, Brummett CM, Prager RL, Likosky DS, Kim KM, Lagisetty KH, (MSTCVS-QC); Michigan Opioid Prescribing Engagement Network (Michigan OPEN). Establishment and Implementation of Evidence-Based Opioid Prescribing Guidelines in Cardiac Surgery

23. Wagner C, Clark MJ, Theurer PF, Lall SC, Nemeh HW, Downey RS, Martin DE, Dabir RR, Asfaw ZE, Robinson PL, Harrington SD, **Gandhi DB,** Waljee JF, Englesbe MJ, Brummett CM, Prager RL, Likosky DS, Kim KM, Lagisetty KH, Brescia AA. Predictors of Discharge Home Without Opioids After Cardiac Surgery: A Multicenter Analysis. *Ann Thorac Surg.* In Press

## **Lectures & Presentations**

<ul> <li>Mechanisms of Residual Obstruction following commissurotomy for Mitral Stenosis         Grand Rounds - Albert Einstein College of Medicine, NY</li> <li>Cost Effective Management of Spontaneous Pneumothorax</li> </ul>	- Research Apr.	h findings 1991
Surgical Grand Rounds - Medical College of Wisconsin - Management of Infective Endocarditis - Surgical Options	June	1992
CT Surgery Grand Rounds - Milwaukee County Medical Complex - Therapeutic Options for management of Stage IIIA NSCLC	Oct.	1992
CT Surgery Grand Rounds - Milwaukee County Medical Complex	Jan.	1993
- Surgical management of Valvular Diseases	<b>a</b> .	1002
Seminar - Care of Cardiac Patient for family practice, IRMC, Lansing - Management of Pulmonary Nodules	Sept.	1993
Seminar - Pulmonary Care for Primary Care Physician - Surgical Management of Esophageal Cancer	July	1994
Nursing Grand Rounds - IRMC	Sept.	1994
- Critical Care: Management of Ventricular Hemodynamics	•	
Resident Lecture - IRMC	Dec.	1996
- Evaluation and Management of Lower Extremity Arterial Insufficiency		
Michigan State University Osteopathic Resident Grand Rounds	Dec.	1998
- Program Director & Moderator		
Pulmonary & Lung Cancer Conference, IRMC	Mar.	2004
- Moderator, Emerging Therapies for Heart Failure TRISVR Surgical	0.4	2004
Ventricular Restoration- Lorenzo Menicanti, Cleveland, OH	Oct.	2004
- Changing Paradigms in Cardiac Surgery  Cardiology Rounds - HGB Hospital	Dec.	2005
- Application of Minimally Invasive Robotic Technology to Thoracic Surgical Procedu		2003
Presentation to McLaren Hospital Executive Committee – Flint, MI	Feb.	2006
- New Horizons in Surgical management of Cardiovascular Conditions	100.	2000
AORN Grand Rounds	Apr.	2006
- Evaluations of Lung Lesions & Multi-disciplinary approach to management	•	
of Lung Cancer Seminar - Care of the Cancer Patient, Lansing Apr.	2006	
- Lung Cancer Management - Some personal observations	2006	
Family Practice Grand Rounds, Lansing  Aug.  Challenges in Seminal Management of Conding Valuation Conditions  Aug.	2006	
- Challenges in Surgical Management of Cardiac Valvular Conditions		

Grand Rounds, Cardiology Section - TCI, Lansing	Dec.	2006
- Management of and Minimally Invasive Surgical Approach for Epicardial Ablation Community Educational Event – IRMC Nov. 2007 &	Feb.	2008
- Development of Robotic – Assisted Cardio-Thoracic Surgery Program at IRMC Presentation to IRMC CT Surgery Steering Committee	Feb.	2008
- Application of Robotic- Assisted Technology to Thoracic Surgical Procedures Presentation at IRMC Pulmonary Presentation Conference	Feb.	2008
- Protocol for Development of Robotic-Assisted Cardio-Thoracic Surgery Program Presentation to IRMC Credentialing Committee	Mar.	2008
- Management of and Minimally Invasive Surgical Approach for Epicardial Ablation Physician Lecture – Mt. Pleasant, Michigan	Apr.	2008
- Management of and Minimally Invasive Surgical Approach for Epicardial Ablation Physician Lecture – Eaton Rapids/Charlotte	Apr.	2008
- Management of and Minimally Invasive Surgical Approach for Epicardial Ablation Physician Lecture – Owosso, Michigan	Apr.	2008
- Management of and Minimally Invasive Surgical Approach for Epicardial Ablation Physician Lecture – Lansing, Michigan Nov. &	Dec.	2008
- Management of and Minimally Invasive Surgical Approach for Epicardial Ablation Physician Lecture – CME Program, Mt. Pleasant, Michigan	Jan.	2009
- Management of and Minimally Invasive Surgical Approach for Epicardial Ablation Community Educational Event – IRMC	Feb.	2009
- Management of and Minimally Invasive Surgical Approach for Epicardial Ablation Community/Physician Educational Event - MSU Kellogg Center	May	2009
- Management of and Minimally Invasive Surgical Approach for Epicardial Ablation Presentation at Grand Rounds, St. Joe Mercy Hospital - Ypsilanti, MI	June	2009
- Atrial Fibrillation Program @ Ingham Regional Medical Center  Presentation Meeting at Atricure Facility - Cincinnati, OH	July	2009
	•	
- Management of and Minimally Invasive Surgical Approach for Epicardial Ablation		
Physician Lecture – Dearborn, Michigan Aug.  Management of and Minimally Investiga Survival Approach for Enjagedial Ablation	2009	
- Management of and Minimally Invasive Surgical Approach for Epicardial Ablation  Community Educational Event – MSU Kellogg Center	Sept.	2009
- Clinical Management of Atrial Fibrillation – State of the Art  CME Lecture – IRMC	Sept.	2009
- The Future of Robotics	- T	
Community Educational Event – Okemos High School – Okemos, MI	Nov.	2009
- Non-Small Cell Lung Cancer – A Changing Paradigm CME Physician Lecture – IRMC	Oct.	2010
- Clinical Outcomes of Minimally Invasive Surgical Ablation for Isolated Atrial Fibrillation	on	
Presentation of Accepted Paper at World Society of Cardiothoracic	0-4	2010
Surgeons, 20 <sup>th</sup> World Congress - Chennai, India - Management of and Minimally Invasive Surgical Approach for Epicardial Ablation	Oct.	2010
Community Educational Event – IRMC	Feb.	2011

# Meetings, Symposia & Seminars attended

The American College of Surgeons, San Francisco, CA	Oct.7-12, 1990
76 <sup>th</sup> Annual Clinical Congress & Post Graduate Course, Cardiac Sur	gery
The American College of Surgeons, New Orleans, LA	Oct.11-16, 1992
78 <sup>th</sup> Annual Clinical Congress & Post Graduate Course, Cardiac Su	rgerv
The Society of Thoracic Surgeons, San Antonio, TX	Jan. 25 - 27, 1993
29 <sup>th</sup> Annual Meeting & Postgraduate Program	,
The Society of Thoracic Surgeons, Orlando, FL	Jan. 29 - 31, 1996
32 <sup>nd</sup> Annual Meeting & Postgraduate Program	,
Peter Lowe: Success 1996, Grand Rapids, MI	March 18, 1996
With Zig Ziglar "See You over the Top"	,
Minimally Invasive Thoracic Surgery, Boston, MA	Sept. 13 - 14, 1996
Interest Group International Symposium	1
Current Practice of Vascular Ultrasound, Chicago, IL	Apr. 18 - 20, 1997
By Institute of Advanced Medical Education	1
Stephen Covey: Solving the Puzzle, Grand Rapids, MI	Oct. 27, 1998
How to unleash Your Team's Potential	
Mitral Valve Repair VIII, Orlando, FL	Apr. 15 - 16, 1999
By Alain Carpentier, MD, PhD	•
Mitral Valve Repair IX, Washington, D.C	Oct. 16 - 17, 2000
By Alain Carpentier, MD, PhD	
The Society of Thoracic Surgeons, Fort Lauderdale, FA	Jan. 31 - Feb. 2, 2000
38th Annual Meeting & Post-Graduate Program	
Multidisciplinary, Merged & Managed CT Surgery Coding &	June 23 - 24, 2000
Reimbursement In the Post Y2K Era, New York, NY	
Advanced Freestyle Medtronic Valve Training, Ann Arbor, MI	July 11, 2000
Michael Deeb MD, FACS	
Bob Nelson: Lessons in Leadership, Lansing, MI	July 17, 2000
The Rewards of Recognition: How to Generate the Energy	
Your Organization needs	
Evolutions & Revolutions in TMR, Dallas, TX	Sept. 12, 2000
Accelerated Clinical Improvement, Lansing, MI	Mar. 21, 2001
@ Sparrow Health System	
Current Practice of Vascular Ultrasound, Chicago, IL	Apr. 20 - 22. 2001
4th International Symposium, San Diego, CA	May 3 - 5, 2001
Stentless Bioprosthesis	
American Association for Thoracic Surgery, San Diego, CA	May 7 - 9, 2001
Annual Meeting & Adult Cardiac Surgery Symposium	
OPCRES Training Program, Las Vegas, NV	Nov. 29 - 30, 2001
Off- Pump CABG + Endoscopic Vein Harvesting Techniques	

A Symposium on Valvular Heart Disease, Toledo, OH Medical College of Ohio	Apr. 19 - 20, 2002
Aortic Surgery Symposium VIII, New York, NY	May 2 - 3, 2002
Mt. Sinai School of Medicine	34 22 24 2002
General Thoracic Surgery Course, Cambridge, MA	May 23 - 24, 2002
Massachusetts General Hospital	June 10 20 2002
Surgical Treatment of Atrial Fibrillation, New York, NY 2 <sup>nd</sup> Annual Conference	June 19 - 20, 2002
Surgical Ventricular Restoration, Birmingham, AL	Aug. 28, 2002
with the CorRestore System	
Self-Education Self Assessment in Thoracic Surgery - SESATS VII	Dec. 2, 2002
Valve Disease - Options & Outcomes, Toronto, ON	Oct. 1 - 2, 2004
Heart Failure & Rotary Blood Pump Summit, Cleveland, OH	Oct. 7 - 10, 2004
The Cleveland Clinic	,
Da Vinci Surgical System, Columbus, OH	Nov. 30, 2005
Training Program for Console Surgeon	·
Heart Valve Club Mt. Sinai Medical Center, New York, NY	Oct. 13 - 14, 2006
With Dr. Alain Carpentier	,
Arrhythmias & the Heart, Big Island of Hawaii, HA	Jan. 22 - 25, 2007
14 <sup>th</sup> Annual Mayo Clinic Symposium	,
Florida Valve Symposium, Tampa, FL	Apr. 1-2, 2007
Controversies in Valve Management	1
American Association for Thoracic Surgery, Washington, DC	May 5 - 9, 2007
Annual Meeting	•
The Ross Summit I, Atlanta, GA	Oct. 9 - 12, 2008
Toward a Pulmonary Graft Renaissance	
American College of Cardiology, Orlando, FL	Mar. 27 - 31, 2009
09/i2 Summit - Stroke Prevention,	
Managing Afib, Complex Afib Cases, Heart Disease	
American Association for Thoracic Surgery, Boston, MA	May 9 - 13, 2009
Annual Meeting	
Heart Rhythm Society, Boston, MA	May 13 - 16, 2009
Annual Scientific Meeting	
Clinical Robotic Surgery Association, Chicago, IL	Oct. 9 - 10, 2009
1 <sup>st</sup> Worldwide Meeting	
Institue for Advanced Medical Education, Las Vegas, NV	Oct. 23 - 25, 2009
Current Practice of Vascular Ultrasound	25, 2009
Team Echocardiography, Hilton Head, SC	Apr. 22 – 25, 2010
The Heart of Cardiovascular Medicine	11p1. 22 23, 2010
Heart Rhythm Society, Denver, CO	May 12 – 15, 2010
Annual Scientific Meeting	1114 12 15, 2010
CSTAR Advanced VATS Update, London, Ontario	June 9 – 10, 2010
The Ross Summit III, Atlanta, Georgia	Oct. 14 – 16, 2010
Toward A Pulmonary Autograft Renaissance	
World Society of Cardiothoracic Surgeons, Chennai, India	Oct. $19 - 26, 2010$
20 <sup>th</sup> World Congress	, -
<u> </u>	

May 3 - 5, 2011

May 7 - 11, 2011

Annual Meeting	., .
International Society of Minimally CT Invasive Surgery, Washington, Annual Meeting	D.C. June 8 – 11, 2011
Society of Thoracic Surgeons, Ft. Lauderdale, Florida	Jan. 28 – Feb. 1, 2012
Annual Meeting	
Heart valve Summit, Chicago, Illnois	Oct. $1 - 3$ , 2015
Annual Meeting	
American College of Surgeons, Chicago, Illinois,	Oct. $5 - 9$ , $2015$
Annual Meeting	
Society of Thoracic Surgeons, Fort Lauderdale, Florida Annual Meeting	Jan. 28.–Feb.3, 2018
Quarterly MSTCVS Meetings as Surgeon Champion	Jan. 2016 – Present
Annual MSTCVS Summer Meetings	Aug. 2016 - Present

Advanced Techniques in Cardiac Surgery, New York, New York

American Association for Thoracic Surgery, Philadelphia, PA

## **References:**

Available upon Request