

# Keith B. Allen, MD

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## PRACTICE

St. Luke's Mid America Heart & Vascular Institute Clinical Associate Professor of Surgery, University of Missouri at Kansas City Director of Cardiovascular/Thoracic Research Surgical Co-Director Structural Heart Program	Kansas City, MO 2007 - Present
Private practice	Indianapolis, IN 1994 – 2007

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## RESIDENCY

Rush-Presbyterian-St. Luke's Medical Center Cardiothoracic Surgery (1992 – 1994) Vascular Surgery (1991 - 1992)	Chicago, IL
Emory University Affiliated Hospitals Alfred A. Davis Fellow of Surgical Anatomy and Technique (1990 – 1991) General Surgery (1986 – 1991)	Atlanta, GA

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## EDUCATION

Henry W. Bloch School of Management, University of Missouri at Kansas City (2015-16)	Kansas City, MO
Doctor of Medicine, University of Kansas School of Medicine (1982 – 1986)	Kansas City, KS
BA Chemistry and Biology, University of Kansas (1978 – 1982)	Lawrence, KS

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## ORGANIZATIONS

American Association of Thoracic Surgeons (AATS)  
Society of Thoracic Surgeons (STS)  
International Society for Minimally Invasive Cardiac Surgery (ISMICS), Board of Directors 2010-2013  
Society of Vascular Surgery (SVS)  
FDA Circulatory Device Ad Hoc Panel Member (2007-present)

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## CERTIFICATIONS

Licenses: KS (04-32311), MO (2007010370)  
Am Board of Surgery 1992 (#37370), Recertified 2001, 2009  
Am Board of Vascular Surgery 1995 (#100605), Recertified 2003, 2012  
Am Board of Thoracic Surgery 1995 (#5600), Recertified 2004, 2013

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## AWARDS

University of Kansas School of Medicine  
Alpha Omega Alpha, Junior  
Merck Award, Outstanding Scholastic Achievement  
University of Kansas College of Liberal Arts  
Valedictorian  
Phi Beta Kappa, Junior Year  
Mortar Board  
Omicron Delta Kappa  
Phi Kappa Phi  
Summerfield Scholar  
Olathe High School  
Valedictorian

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## PERSONAL

Born Kansas City, KS, December 20, 1960  
Family: Alison and Children – T.K. (4/19/92,), Kelsey (5/22/93), Alex (3/16/95), Blair (1/9/98), Marielle (4/13/99)

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## **NATIONAL INSTITUTE HEALTH (NIH/NHLBI) GRANTS**

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**Grant Number:** 2UM1HL117924-06

The NIH grant involves creation of five Linked Clinical Research Centers (LCRC). Our LCRC is between the University of Southern California (USC) and Saint Luke's Mid America Heart Institute (MAHI). The LCRC's will be part of the Cardiothoracic Surgery Network (CTSN) and will increase the capacity of the CTSN to not only conduct clinical trials, but also educate the next generation of physician-scientists. The PI at USC is Dr. Michael Bowdish and the PI at MAHI is Dr. Keith B. Allen.

3/2019-3/2026  
\$5 Million Grant

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## **FDA CLINICAL TRIALS**

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CLASP: Multicenter trial of percutaneous repair of tricuspid regurgitation (sub PI 2020).

PASCAL: Multicenter RCT comparing Mitraclip to PASCAL clip for severe MR (sub PI 2019).

NIH Trial: Anticoagulation for new-onset post-operative atrial fibrillation after CABG (CTSN multicenter trial (PI 2019)

SECURE Multicenter Trial to evaluate real world experience with rigid sternal fixation (National PI 2019).

QUARK acute kidney injury double blind RCT (PI 2019)

SUMMIT Trial: Implantation of Abbott Tendyne Transcatheter Mitral Valve. (PI2018)

CryoLife PerClot IDE Study (PI 2017)

PARTNER III CT Sub Study: Continued access TAVR in patients at low risk for SAVR. (PI 2017)

PARTNER Asymptomatic Aortic Stenosis Trial (PI 2018)

PARTNER III Trial: Surgical versus transcatheter aortic valve replacement in patients at low risk for SAVR. (PI 2016)

A Phase 3 Double-Blind, Randomized, Placebo-Controlled study to Evaluate the Safety and Efficacy of AMG001 in Subjects with Critical Limb Ischemia. (PI 2015)

LEVO-CTS. Randomized evaluation of levosimendan in patients undergoing cardiac surgery who have low ejection fractions. (PI 2014)

Portico™ Re-sheathable Transcatheter Aortic Valve System (PORTICO) St. Jude US IDE Trial (PI 2014)

PARTNER II: Placement of Aortic Transcatheter Valves Trial II using Edwards Sapien XT & S3 heart valves (PI 2013)

Surgical Replacement and Transcatheter Aortic Valve Implantation in moderate risk patients. Medtronic SURTAVI Trial (PI, 2013)

MarrowStim™ PAD Kit for the Treatment of Critical Limb Ischemia (CLI) in Subjects with Severe Peripheral Arterial Disease (IDE 13996) (PI 2013)

Sternotomy closure: rigid sternal fixation versus wire: A RCT to evaluate bone healing. Biomet. (National PI 2013)

Cormatrix Carotic Patch during Carotid endarterectomy: FDA post approval trial. (PI 2012)

PARTNER II Trial: Percutaneous aortic valve replacement using transfemoral and transapical approaches. (PI 2012)

Aastrom Multicenter, randomized, double-blind trial to evaluate the efficacy, safety and tolerability of autologous tissue repair cells in patients with critical limb ischemia and no options for revascularization. (PI 2012)

EXCEL Clinical Trial: Evaluation of XIENCE PRIMETM or XIENCE V® versus Coronary Artery Bypass Surgery for Effectiveness of Left Main Revascularization. (CoPI 2011)

Cormatrix pericardial patch versus no pericardial closure in preventing post-operative atrial fibrillation: A Multicenter, RCT. (PI 2011)

Multicenter RCT comparing Mitroflow versus Magna pericardial aortic valve replacement. (PI 2010)

Factor VIII (Octapharma): RCT comparing Factor VIII to FFP in reversing Coumadin prior to emergent surgery. (PI 2010)

Multicenter trial evaluating autologously concentrated stem cells to treat critical limb ischemia in patients without revascularization options (PI 2009)

Acadesine: RCT evaluating its efficacy at reducing cardiovascular mortality in high risk patients ndergoing CABG. (PI 2009)

Multicenter prospective placebo controlled to evaluate the efficacy of a Staph a. vaccine in patients undergoing elective cardiac surgery. (PI 2008, Scientific Advisory Board)

PARTNER I Trial: Percutaneous aortic valve replacement using transfemoral and Transapical approaches. (PI 2008)

Multicenter, RCT to evaluate AL-208, a novel nueroprotective drug in patients undergoing elective open heart surgery. (PI 2007)

RCT to evaluate the efficacy of omega-3 at preventing atrial fibrillation following cardiac surgery. (PI 2007)

Recombinant FactorXIII: Multicenter, dose escalation trial on safety and pharmacokinetics in patients undergoing CABG requiring CPB. (PI 2006)

MEND-CABG II Trial: RCT to evaluate the cardioprotective effect of MC-I in patients undergoing high risk CABG surgery (PI 2006)

Mitroflow Synergy Pericardial Bioprosthesis IDE Trial for Aortic Valve Replacement. (sub investigator 2005)

St. Jude Medical Toronto stentless aortic valve: An observational, non-randomized, multicenter, prospective evaluation. (sub investigator 2005)

Bivalirudin: Phase II study evaluating safety and efficacy in patients with HIT undergoing CABG on CPB. (PI 2005)

Pexelizumab: Phase III RCT in patients undergoing CABG on CPB. (PI 2005)

Enoxaparin: A Prospective, Multi-Center safety Study during Outpatient use in Bridging Therapy in Patients on Long-Term Oral Anticoagulants Who Require Interruption of Treatment. (PI 2004)

PREVENT IV: A phase III, double-blind, RCT of ex vivo treatment of saphenous vein grafts with E2F decoy in patients undergoing CABG. (PI 2004)

Cardica Sutureless Anastomotic System for creating distal coronary anastomoses: Phase I study to evaluate safety and performance. (PI 2004)

Bivalirudin: A Phase II study comparison to heparin in patients undergoing cardiac surgery using CPB. (PI 2004)

AtriCure Bipolar Sytem: Prospective, multi-center, case matched study to evaluate its safety and efficacy in the treatment on continuous atrial fibrillation as an adjunct during cardiac surgery. (sub investigator 2004)

Cardeon® Cobra™ Catheter: A phase II multicenter, prospective, RCT in CABG patients for stroke prevention. (sub-investigator 2003)

Pexeluzumab: Phase III Double-Blind, RCT evaluating All-Cause Mortality and Myocardial Infarction in Patients Undergoing CABG. (PI 2003)

Hemolink™ (o-rafinosse cross-linked human hemoglobin): Phase II, RCT evaluating its Efficacy and Safety in Subjects Undergoing CABG. (PI 2002)

Cariporide (a  $Na^+H^+$  exchange inhibitor): Double-Blind, RCT to investigate its treatment effect on all-cause mortality and non-fatal MI in patients undergoing CABG. (PI 2002)

EMBOL-X Arterial Cannula/filter System: RCT evaluating its safety and efficacy in patients undergoing CABG requiring CPB. (National PI, successful PMA presentation to FDA 2001)

ATS Open Pivot Bileaflet™ Valve: Multi-center IDE Trial. (PI 2000)

Phase II double-blind, RCT of the effect of h5G1.1-ScFv on total mortality and adverse cardiovascular ischemic outcomes in patients undergoing CPB. (PI 2000)

Safety and efficacy of Parecoxib 40 MG Q 12H followed by Valdecoxib 40 MG Q 12H in patients who have CABG via median sternotomy. (PI 2000)

Phase II, double-blind, pilot study to determine the safety and tolerability of two doses of VML 588 (a selective endothelin A-receptor antagonist) in patients undergoing CABG. (PI 2000)

Study of the safety and efficacy of TMR performed with the Eclipse Holmium Laser System in patients with unstable angina. (PI 1998)

RCT of the efficacy and safety of TMR plus CABG versus CABG alone in patients who would be incompletely revascularized by CABG alone. (National PI 1998)

Safety of recombinant human hemoglobin in patients undergoing CPB (sub-investigator 1998).

RCT of the efficacy and safety of maximal medical management versus TMR using the Eclipse Holmium Laser System in patients with Class IV angina. (National PI, successful PMA presentation to FDA 1998)

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## BIBLIOGRAPHY

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Bhardwaj B, Cohen DJ, Vemulapalli S, Kosinski AS, Xiang Q, Li Z, **Allen KB**, Kapadia S, Aggarwal K, Sorajja P, Chhatriwalla AK. Outcomes of Transcatheter Aortic Valve Replacement for patients with severe aortic stenosis and concomitant aortic insufficiency: Insights from the TVT Registry. American Heart Journal. 2020. DOI: <https://doi.org/10.1016/j.ahj.2020.07.010>

Janaschke K, Hoover N, Calkins K, Eshcol J, Jones PG, **Allen KB**, Saxon JT, Cohen DJ, Chhatriwalla AK. Patient recovery following transcarotid and transthoracic TAVR. JACC Intervention 2020 (submitted).

**Allen KB**, Chhatriwalla AK, Saxon MD, Sathananthan J, Dvir D, Webb JG. Transcatheter Valve-in-Valve Procedures for Failed Aortic Bioprostheses. Operative Techniques in Thoracic and Cardiovascular Surgery 2020 (in press).

**Allen KB**, Chhatriwalla AK, Saxon MD, Sathananthan J, Dvir D, Webb JG. Bioprosthetic Valve Fracture to Facilitate Valve-In-Valve TAVR. Annals of Cardiothoracic Surgery (in press).

**Allen KB**, Young C, Alexander JE, Gabriel S. Clinical and Economic Burden in the 90 Days Following Acute Myocardial Infarction: Redefining the Risk Period. Circulation: CV Quality and Outcomes.

(submitted)

Sreedharan S, Sellers SL, Ithdayhid AR, Landes U, Blanke P, **Allen KB**, Chhatriwalla AK, Pibarot P, Wood DA, Webb JG. Bioprosthetic Valve Fracture to Facilitate Valve-in-Valve Transcatheter Aortic Valve Replacement. *Structural Heart* 2020 (in press).

**Allen KB**, Brovman E, Greco KJ, Chhatriwalla AK, Urman R. Impact of Opioid Related Adverse Events on Cardiac Surgery Service Line. *Semin Cardiothorac Vasc Anesth* 2019; doi: 10.1177/1089253219888658

Chhatriwalla A, **Allen KB**, Saxon J, et al. Bioprosthetic valve fracture (BVF) improves the hemodynamic results of valve-in-valve transcatheter aortic valve replacement with durable results at 30-days and 1-year. *JACC Intervention* (submitted).

Kirker E, Korngold E, Hodson R, Jones B, McKay R, Cheema M, Heimansohn D, Moainie S, Hermiller J, Chhatriwalla AK, **Allen KB**. Transcarotid Transcatheter Aortic Valve Replacement Access Compared to Subclavian/Axillary Access Using Propensity Matched TVT Registry Data. *Annals of Thoracic Surgery* (in press).

Gerdisch MW, **Allen KB**. Orthopedic principles to facilitate enhanced recovery after cardiac surgery. *Critical Care Clinics* (in press).

**Allen KB**, Colby JA, Ruiz K, Bitoy V, Gabriel S. Major adverse cardiovascular events following acute myocardial infarction in multivessel disease: a systematic literature review. *JACC* (submitted).

**Allen KB** and Alexander J. Preventing Recurrent Cardiovascular Events Through Plaque Stabilization: A New Dimension in Cardiovascular Medicine. *Journal of Managed Care* 2020;1:4-11.

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Saxon JT, Fendler TJ, Main ML, Nassif ME, Magalski A, **Allen KB**, Chhatriwalla AK. Iatrogenic Aorta to Right Ventricular Fistula following TAVR. *Structural Heart* 2020. Doi.org/10.1080/24748706.2020.1754536.

Sathananthan J, Fraser R, Hensey M, Hatoum H, Barlow AM, Stanová V, Dipl-Ing, Uri Landes, Alkhodair A, Sellers S, Cheung A, Ye J, **Allen KB**, Chhatriwalla A, Blanke P, Rieu R, Pibarot P, Dasi LK, Søndergaard L, Leipsic J, Wood D, Webb J. Bioprosthetic valve fracture performed pre versus post valve-in-valve transcatheter aortic valve replacement: Insights from bench testing Eurointervention (in press).

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Hawa Z, Hawa A, Mitchell J, **Allen KB**. TAVR in a patient with a Membranous Ventricular Septal Aneurysm identified during Cardiac CT. *BMJ Case Reports* DOI:10.1136/bcr-2019-231215.

Saxon JT, **Allen KB**, Cohen DJ, Whisenant B, Ricci J, Barb I, Gafoor S, Harvey J, Dvir D, Chhatriwalla AK. Complications of Bioprosthetic Valve Fracture as an Adjunct to Valve in Valve TAVR. *J of Structural Heart* 2019. doi.org/10.1080/24748706.2019.1578446.

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- Allen KB**, Borkon AM, Aggarwal S, Davis JR, Pak AF, Thompson E, Heimes J. Sternal Dehiscence: Successful Management Using Modification of Robichek Weave Incorporating Rigid Linear Fixation in progress)
- Saxon JT, **Allen KB**, Cohen DJ, Chhatriwalla A. Bioprosthetic Valve Fracture (BVF) During VIV TAVR: Bench to Bedside. *Interventional Cardiology Review* 2018;13(1):20–6. DOI: 10.15420/icr.2017:29:1
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McCabe JM, Huang PH, Cohen DJ, Blackstone EH, Welt FGP, Davidson MJ, Kaneko T, Eng MH, **Allen KB**, Xu K, Lowry AM, Lei Y, Rajeswaran J, Brown DL, Mack MJ, Webb JG, Smith CR, Leon MB, Eisenhauer AC; PARTNER Trial Investigators.. Surgical Versus Percutaneous Femoral Access for Delivery of Large-Bore Cardiovascular Devices (from the PARTNER Trial). *Am J Cardiol*. 2016 May 15;117(10):1643-1650. doi: 10.1016/j.amjcard.2016.02.041. Epub 2016 Mar 2. PubMed PMID: 27036077

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## BOOK CHAPTERS

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## FILMS

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**Allen KB**: Transcarotid TAVR: An emerging technique. STS 2020.

**Allen KB**: Prosthetic Surgical Tissue Valve Enlargement Using High-Pressure Balloon (Fracturing the Ring) to Facilitate Transcatheter Valve-in-Valve Implantation: Benchtop Testing of Commercial US Aortic Tissue Valves. STS 2016.

**Allen KB**: Coronary artery bypass combined with TMR. TMR Symposium, 79th Annual AATS mtg, New Orleans, LA, 1999.

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## **PRESENTATIONS**

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Session Chair TVT Virtual 2020. Current management of degenerative surgical valve.

Bioprosthetic valve fracture (BVF). Edwards Proctor Meeting, Phoenix, AZ. Feb 2020.

Non femoral transcatheter aortic valve replacement using transcarotid access: an emerging technique. STS, New Orleans, LA Feb 2020.

The role of TMR in redo CABG. International Coronary Congress, NY, Dec 2019.

Best evidence and best practice for concomitant CABG/TMR. International Coronary Congress, NY, Dec 2019.

Rigid Plate Fixation of the Sternum Results in Improved Outcomes at 90 Days: Pooled Analysis from 2 Randomized Trials. International Coronary Congress, NY, Dec 2019.

Managing the failing bioprosthetic valve. SLCC Conn Meeting, Overland Park, KS, Dec 2019

DEBATE: Is SAVR dead yet? MO ACC, St. Louis, MO Nov 2019

Transcarotid Access is My Preferred Alternate Non-Femoral Access. TCT San Francisco, CA Sept 2019.

Session Chair: C3 Orlando, FL June 2019

Session Moderator: C3 Orlando, FL June 2019

Complications Following Bioprosthetic Valve Fracture. Orlando, FL C3 June 2019.

Session Chair: TVT Chicago, IL June 2019

Session Moderator: TVT Chicago, IL June 2019

Transcarotid Access is My Preferred Alternate Non-Femoral Access. Orlando, FL, C3 June 2019.

Session Chair: SVS Washington DC June 2019.

Non-femoral vascular access: Thinking out of the box. Society of Vascular Surgery, Washington DC June 2019

Outcomes Following Transcarotid Versus Transapical/Transaortic Access for Transcatheter Aortic Valve Replacement: Results from the Transcatheter Valve Therapy (TVT) Registry. Chicago, IL TVT Late Breaking Clinical Trial June 2019.

Session Chair: TVT June 2019.

Transcarotid Access is My Preferred Alternate Non-Femoral Access. Chicago, IL, TVT June 2019.

Bioprosthetic Valve Fracture to Facilitate VIV TAVR. Chicago, IL June 2019.

Bioprosthetic Valve Fracture to Facilitate VIV TAVR. Santa Clara, CA June 2019.

Bioprosthetic Valve Fracture to Facilitate VIV TAVR. ISMICS, New York, NY May 2019.

Reducing complications following cardiac surgery. AATS, Toronto, CA April 2019.

Session Chair: AATS, Toronto, CA April 2019.

Prosthesis-Patient-mismatch. West Virginia Chapter of ACC, Charleston, WV May 2019

Surgeon's perspective on TAVR for low risk patients. Regional TAVR coordinators mtg, Chicago, IL May 2019.

Prosthesis-Patient-Mismatch. University of MN Valve Symposium. Minneapolis, MN March 2019.

Transcarotid Access. Northwestern Memorial Hospital, Chicago, IL May 2019

SVS @ STS. Chaired Session. STS, Jan 2019, San Diego, CA.

Failing aortic bioprosthesis: Redo AVR versus VIV TAVR with bioprosthetic valve fracture. March 2019, ACC, New Orleans, LS

Reducing Complications in Cardiac Surgery. Jan 2019, STS, San Diego, CA.

Choosing the right valve now for the future. Jan 2019, STS, San Diego, CA.

STS Debate: VIV TAVR vs redo SAVR. Jan 2019, STS, San Diego, CA.

Large bore vascular access: Thinking out of the box. Jan 2019, STS, San Diego, CA.

Reducing Complications in Cardiac Surgery. Dec 2018, South Bend, IN.

Frailty: A surgeon's perspective. Conn Cardiovascular Meeting, Dec 2018, Overland Park, KS.

A comparison of In Hospital and Intermediate Term Outcomes with transapical and transaortic Access. Southern Thoracic Surgical Society Nov 2018, Amelia Island, FL.

Managing the Failing Bioprosthetic Valve. Missouri ACC Nov 3, 2018, Columbia, MO

Bioprosthetic Valve Fracture to Facilitate VIV TAVR. TCT Oct 2018, San Diego, CA.

Transcarotid Access is the preferred alternate access for TAVR. TCT Oct 2018, San Diego, CA

Bioprosthetic Valve Fracture to Facilitate VIV TAVR. ISMICS June 2018, Vancouver BC, Canada

Impact of Opioid Related Adverse Events on Cardiac Surgery Service Line. Western Thoracic Surgical Society June 28, 2018, Santa Barbara, CA.

Bioprosthetic Valve Fracture to Facilitate VIV TAVR: Insights from a multicenter study. Western Thoracic Surgical Society June 28, 2018, Santa Barbara, CA.

STS @ SVS. Society of Vascular Surgeons, June 23, 2018, Boston, MA.

Transcarotid Access in patients that are unsuitable for transfemoral TAVR. TVT June 21, 2018, Chicago IL.

Innovative vascular access in patients unsuitable for transfemoral TAVR. C3 Meeting, June 20, 2018, Orlando, FL.

TAVR complications: Prevention and management. C3 Meeting, June 20, 2018, Orlando, FL.

Bioprosthetic Valve Fracture to Facilitate VIV TAVR. C3 Meeting, June 20, 2018, Orlando, FL.

Sternal Complication Rates and Healing with Wire Closure using a 90-day global period: Pooled Analysis from Three Randomized Trials. ISMICS June 12, 2018, Vancouver, Canada.



Transcarotid Technique. ISMICS June 12, 2018, Vancouver, Canada.

Sternal Dehiscence: Management Using Modification of Robichek Weave Using Rigid Plate Fixation. ISMICS June 12, 2018, Vancouver, Canada.

TMR: Back to the future. Kelowna, BC, Canada, May 23, 2018

TMR: Back to the future. Vancouver, Canada, May 22, 2018

TMR: Back to the future. Indianapolis, IN, April 26, 2018.

Sternotomy Closure Using Rigid Plate Fixation Versus Wire Cerclage: Clinical and Economic Outcomes from A Prospective, Randomized Multi-Center Study. AATS April 22, 2018.

Bioprosthetic Valve Fracture to Facilitate ViV TAVR in Small Surgical Bioprostheses. Heart Valve Society 2018 Annual Meeting, April 14-16, 2018, New York, NY.

Transcarotid TAVR: In Hospital and Intermediate Term Clinical Outcomes. Heart Valve Society 2018 Annual Meeting, April 14-16, 2018, New York, NY.

Bioprosthetic Valve Remodeling (BVR) of Unbreakable Trifecta Surgical Valves to Improve Hemodynamics Following ViV TAVR. Heart Valve Society 2018 Annual Meeting, April 14-16, 2018, New York, NY.

Impact of Opioid Related Adverse Events on Cardiac Surgery Service Line, Tacoma, WA Mar 2018

Impact of Opioid Related Adverse Events on Cardiac Surgery Service Line, Seattle, WA Mar 2018.

Bioprosthetic Valve Fracture to Facilitate ViV TAVR in Small Surgical Bioprostheses. Technical Considerations. 21<sup>st</sup> Century Surgical Society, Cancun, Mexico, Feb 16, 2018.

Bioprosthetic Valve Fracture to Facilitate ViV TAVR in Small Surgical Bioprostheses. Technical Considerations. Houston Aortic Symposium, Houston, TX, Feb 12, 2018

Bioprosthetic Valve Fracture to Facilitate ViV TAVR in Small Surgical Bioprostheses. Technical Considerations. STS/TechCon 2018, Ft. Lauderdale, FL.

Bioprosthetic Valve Fracture to Facilitate ViV TAVR in Small Surgical Bioprostheses: Early Hemodynamic and Echocardiographic Results. STS 2018 Fort Lauderdale, FL.

Impact of Opioid Related Adverse Events on Cardiac Surgery Service Line, Kansas City, MO Jan 2018

Sternotomy Closure Using Rigid Plate Fixation Versus Wire Cerclage: Clinical and Economic Outcomes from A Prospective, Randomized Multi-Center Study. Fort Lauderdale, FL, Jan 2018

Non-Femoral TAVR Using Transcarotid Access. TCT, Denver, CO, Nov 2018

Sternotomy Closure Using Rigid Plate Fixation Versus Wire Cerclage: Patient reported and Clinical and Economic Outcomes from A Prospective, Randomized Multi-Center Study. STSA, San Antonio, TX, Nov 2017.

Reducing complications in cardiac surgery. Barnes Hospital, St. Louis, MO, Aug 2017.

Reducing complications in cardiac surgery. Jacksonville, FL, Aug 2017.

TMR: Back to the future. International Coronary Congress, New York, NY Aug 2017.

Sternal Closure Using Rigid Plate Fixation Versus Conventional Wire Cerclage: Clinical Economic Outcomes from A Prospective, Randomized Multi-Center Study. International Coronary Congress, New York, NY Aug 2017.

Nontuberculous Mycobacterium (NTM) Infections from Contaminated Heater-Cooler Devices Used During Cardiothoracic Surgery. International Coronary Congress, NY, Aug 2017.

Bioprosthetic valve fracture to facilitate transcatheter ViV Implantation: How to do it. C3 Meeting, Orlando, FL June 2017.

Expanding indications for TAVR: ViV, bicuspid, and TPVR. C3 Meeting, Orlando, FL June 2017.

Non-Femoral TAVR Using Transcarotid Access. C3 Meeting, Orlando, FL June 2017.

Improving outcomes in cardiac surgery. Mitigating the risk of sternal wound complications. Boston, MA May 2017.

Non-Femoral TAVR Using Transcarotid, Transapical and Transaortic Access: A Comparison of In-Hospital and Intermediate Term Outcomes. AATS April 2017.

Nontuberculous Mycobacterium (NTM) Infections from Contaminated Heater-Cooler Devices Used During Cardiothoracic Surgery: Epidemiology and Potential Remedies. AATS April 2017.

Improving outcomes in cardiac surgery. Mitigating the risk of sternal wound complications. Asian Society Cardiovascular & Thoracic Surgery (ASCVTS) March 2017 Seoul, South Korea.

Nontuberculous Mycobacterium (NTM) Infections Associated with Heater-Cooler Devices. ASCVTS March 2017 Seoul, South Korea.

Bioprosthetic Valve Fracture (BVF) to Facilitate Transcatheter Valve-in-Valve Implantation: Early clinical experience. ASCVTS March 2017 Seoul, South Korea.

Vascular access for TAVR: Thinking out of the box. ASCVTS March 2017 Seoul, South Korea.

Improving outcomes in cardiac surgery. Mitigating the risk of sternal wound complications. Houston, TX Jan 2017.

Nontuberculous Mycobacterium (NTM) Infections Associated with Heater-Cooler Devices. Society of Thoracic Surgeons, Houston, TX Jan 2017.

Bioprosthetic Valve Fracture (BVF) to Facilitate Transcatheter Valve-in-Valve Implantation: Benchtop Testing of Commercial US Aortic Tissue Valves. Society of Thoracic Surgeons, Houston, TX Jan 2017.

Improving outcomes in cardiac surgery. Mitigating the risk of sternal wound complications. Kansas City, MO Nov 2016.

Sternal Closure Using Rigid Plate Fixation Versus Conventional Wire Cerclage. Grand Rounds Dusseldorf, German Nov 2016.

Sternal Closure Using Rigid Plate Fixation Versus Conventional Wire Cerclage. EACTS, Barcelona, Spain Oct 2016.

Invasive Nontuberculous Mycobacterium Infections Associated with Exposure to Heater-Cooler Units During Cardiac Surgery. CDC Webinar, Aug 2016.

Prosthetic Surgical Tissue Valve Enlargement Using High-Pressure Balloon (Fracturing the Ring) During Transcatheter Valve-in-Valve Implantation: Case Report. C3 Conference, Orlando, FL June 2016.

Thoracic Endovascular Aortic Repair of the Ascending and Descending Thoracic Aorta Utilizing Left Ventricular Transapical Access. Society of Vascular Surgeons, Washington DC, June 2016.

Transcarotid TAVR. C3 Conference, Orlando, FL June 2016.

Endovascular Management of Acute Ascending Aortic Pathology Vascular Access. C3 Conference,

Orlando, FL June 2016.

Endovascular Management of Acute Ascending Aortic Pathology using Transapical and Transcarotid Vascular Access. ISMICS, Montreal, Canada. June 2016.

Sternal Closure Using Rigid Plate Fixation Versus Conventional Wire Cerclage: Results From A Prospective, Randomized Multi-Center Study. AATS, Baltimore, MD. May 2016.

Transcarotid TAVR Utilizing EEG Guided Selective Cerebral Perfusion. Heart Valve Society, New York, NY, March 17-19, 2016.

Perioperative pain management in the elderly following transapical TAVR: Does IV acetaminophen improve outcomes? Heart Valve Society, New York, NY, March 17-19, 2016.

Transcarotid TAVR. 21<sup>st</sup> Century Cardiothoracic Surgical Society Meeting, Cancun, Mexico, Feb 2016.

Transcarotid TAVR. Mercy Medical Center, Springfield, MO. January 2016.

Transcatheter aortic valve replacement. AORN of Greater Kansas City, Jan 2016.

Kansas City, MO TAVR. Bryant Heart Institute. Lincoln, NE. December 2015.

TAVR using the Edwards S3 valve. Omaha, NE. October 2015

“Real World” look at Transmyocardial Laser Revascularization: Results from a Prospective, Multi-Center, Single Arm Registry. AATS International Coronary Congress, New York, August 2015.

The Role of TMR (Stand Alone and Concomitant with CABG) in 2015 and Beyond: The U.S. Experience. AATS International Coronary Congress, New York, August 2015

Closed Incision Negative Pressure Dressing: Does it Reduce Wound Complications in Morbidly Obese Diabetics Who Require Groin Incisions for Large Endovascular Device Delivery? Society of Vascular Surgeons, Chicago, IL, June 2015.

STS @ SVS: Vascular access for TAVR/TEVAR: Thinking out of the box. Society of Vascular Surgeons, June 19, 2015, Chicago, IL

Critical Aortic Stenosis and Acute Ascending Aortic Penetrating Ulcer Managed Utilizing Transapical TAVR and TEVAR. C3 Conference, Orlando, FL, June 2015.

Primary Coarctation of the Aorta Diagnosed in the Older Patient: Endovascular Treatment with Thoracic Covered Stents. SVS, Chicago, IL, June 2015.

Multimodal pain management incorporating intravenous acetaminophen. St. Francis Health System. May 2015, Topeka, KS.

Diagnostic challenge: enlarging neck mass. C3 Conference, Orlando, FL, June 2015.

Multimodal pain management incorporating intravenous acetaminophen. Wesley Medical Center, May 2015, Wichita, KS.

Transcarotid TAVR Utilizing EEG Guided Selective Cerebral Perfusion. C3 Conference, Orlando, FL, June 2015.

Primary Aortic Coarctation: Endovascular Treatment with Thoracic Covered Stents. C3 Conference, Orlando, FL, June 2015.

Multimodal pain management incorporating intravenous acetaminophen. Sanford Health System. May 2015, Sioux Falls, SD.

Combined Transapical TAVR and Ascending Aortic TEVAR. ACC, San Diego, CA 2015.

Multimodal pain management incorporating intravenous acetaminophen. Omaha, NE. May 2015

Current status of transcatheter aortic valve replacement. Kansas Health Care Stabilization Fund Meeting. May, 2015, Overland Park, KS.

SVS @ STS: Vascular access for TAVR/TEVAR: Thinking out of the box. Society of Thoracic Surgeons, Jan 2015, San Diego, CA.

Rigid Sternal Fixation: Pros and Cons. Canadian Thoracic Summit, October 9, 2014, Montreal, Canada.

STS @ SVS: Management of severe carotid stenosis in patients undergoing CABG surgery. Society of Vascular Surgery, June 2014, Boston, MA.

Redo Endovascular Mesenteric Revascularization Utilizing the Descending Thoracic Aorta for Access. C3 Conference, June 23-27, Orlando, FL

TAVR Utilizing The Descending Thoracic Aorta: Forgotten Access for Endovascular Device Delivery. C3 Conference, June 23-27, Orlando, FL

Combined TAVR and TEVAR Utilizing Transapical Access. C3 Conference, June 23-27, Orlando, FL

TMR: Current indications and future directions. Stony Brook Heart Institute. Stony Brook, NY, May 2, 2014.

The Descending Thoracic Aorta: The Forgotten Vascular Access for Endovascular Device Delivery. ISMICS June 2014, Boston, MA .

Direct Iliac Artery Puncture Without A Conduit During TAVR. ISMICS June 2014, Boston, MA.

TMR Training Course, Atlanta, GA. Feb, 2014

TMR Training Course, Atlanta, GA. May, 2014

Thoracic Endovascular Aortic Repair (TEVAR) Utilizing Transapical Access. TCT@ACC-i2, Washington DC, April 2014.

Direct Iliac Artery Puncture During Endovascular Procedures: Are Conduits Really Necessary? ACC, Washington DC, April 2014.

Endovascular device delivery utilizing the descending thoracic aorta. 21st Century Cardiothoracic Surgery Society, Grand Cayman Island, Feb 2014.

TMR Training Course, Atlanta, GA. Feb, 2014

SVS @ STS: Management of severe carotid stenosis in patients undergoing CABG surgery. STS, Orlando, FL, Feb 2014.

Primary Coarctation of the Aorta Diagnosed in the Older Patient: Endovascular Treatment with Thoracic Covered Stents. ISMICS 2013, Prague, Czech Republic.

Venoarterial Extracorporeal Membrane Oxygenation: Simplified Tunneled Technique Using Arterial Grafting and Saphenofemoral Cannulation. ISMICS 2013, Prague, Czech Republic.

TMR Training Course, Atlanta, GA. April, 2013

Current reimbursement and patient-reported outcomes in venous disease: What does the future hold? American Venous Forum 25<sup>th</sup> Annual Meeting, Scottsdale, AZ, Feb 2013.

Cardiothoracic and Vascular Surgery: What's new and exciting. Greater KC Nurses Association. Feb 2013.

TMR Evidence based applications and future directions. Atlanta, GA, Jan, 2013.

Decision making in critical limb ischemia: What a cardiac surgeon needs to know. Society of Thoracic Surgery, LA, CA, Feb 2013

Current management options in patients with diffuse vascular disease, Queen of the Valley Hospital, Napa, CA, Aug 2012.

TMR Evidence based applications and future directions. UC Davis, Sacramento, CA Aug 2012

TMR Evidence based applications and future directions. Atlanta, GA, July, 2012.

Endovascular options for aortic pathology. Midwest Perfusion Society, Kansas City, MO, June 2012

Percutaneous Aortic Valve Replacement: Update and Future Directions. Midwest Perfusion Society, Kansas City, MO, June 2012

Management Options in Patients with Diffuse Coronary Disease. The Valley Heart and Vascular Institute, Newark, NJ, May, 2012

Traumatic Aortic Disruptions Managed Endovascularly with Short Abdominal Aortic Cuffs. ISMICS, Los Angeles, CA, June, 2012.

Primary Coarctation in Older Patients Treated with Thoracic Covered Stents. Aortic Symposium, NY, April 2012.

FDA Circulatory System Device Panel Meeting, Panel member for Heartware Circulatory Assist System, Gaithersburg, MD April 2012

Diffuse vascular disease: Current and future management options. UCLA, Feb 2012

Medimmune US Antibacterial Advisory Board Meeting: Large molecule biologics for serious Staphylococcus aureus infections. Gaithersburg, MD April 2012

Diffuse vascular disease: Current and future management options. Mercy Hospital, Springfield, MO. April 2012

Biomet Advisory Board Meeting: Advantages to rigid sternal fixation following cardiac procedures. Los Angeles, CA. Jan 2012

Diffuse vascular disease: Current and future management options. Kennesaw, GA. April 2012.

Patient Characteristics and Operative Risk With Stand-Alone TMR. ACC 2011.

Hybrid Extracranial Revascularization Utilizing Carotid Endarterectomy, Common Carotid Stenting, and Open Distal Embolic Protection. ACC 2011.

Do Biological Sealants Decrease the Incidence of Persistent Air Leaks Following Pulmonary Resections? ISMICS 2011.

Diffuse vascular disease: Current and future management options. APACVS Meeting, Ft. Lauderdale, FL, Jan 22, 2010

Diffuse vascular disease: Current and future management options. Morton Memorial Heart Institute, Stewart, FL Feb 9, 2010

Diffuse vascular disease: Current and future management options. St. Joseph's Heart Institute, Atlanta, GA, Feb 10, 2010

Management options in patients with diffuse vascular disease. Invited talk South American Congress of Cardiovascular Surgeons, Buenas Aires, Argentina, South American, Oct 13, 2010.

Diffuse vascular disease: Current and future management options. Virginia Commonwealth University, Richmond, VA, Dec 2, 2010.

Diffuse vascular disease: Current and future management options. U of Moscow, Russia, Dec 13, 2010.

Diffuse vascular diseases: Potential use of stem cell therapy. Louisberg, VA. June 3, 2009.

Diffuse vascular diseases: Potential use of stem cell therapy. Missouri Perfusion Society. KCMO, June 15, 2009.

Percutaneous aortic valve replacement. Missouri Perfusion Society. KCMO, June 15, 2009.

Diffuse vascular diseases: Potential use of stem cell therapy. Glendale Memorial Hospital, Los Angeles, CA, July 14, 2009.

Diffuse vascular diseases: Potential use of stem cell therapy. Iowa Heart Center, Des Moines, Iowa, July 18, 2009.

TMR combined with autologous stem cells. St. Louis University, Jan 9, 2008.

TMR combined with autologous stem cells. Christina Hospital, Delaware, January 22, 2008.

Management of diffuse coronary artery disease. Cooper Hospital, Camden, NJ, March 6, 2008.

Management of diffuse coronary artery disease: Potential of stem cell progenitor cells in cardiac surgery. New Horizons in Cardiac Regenerative Medicine: Advancements in Revascularization and Stem Cell Therapy. San Diego, CA, May 11, 2008.

Bone Marrow Concentrate: A Rapid, Point of Care Device for Obtaining Autologous Stem Cells for Cell-Based Therapies. International Society for Cell Therapy, Miami, FL, May 19, 2008

Progenitor Cells in the Treatment of Diffuse Coronary Artery Disease. International Society for Cell Therapy, Miami, FL, May 19, 2008

TMR: Acute Afterload Reduction Through Induction of Systemic Vasodilation. ISMICS, Boston, MA, June 10, 2008.

TMR: Synergistic effect with Autologous Stem Cell Therapy. Southeast Asia Society for Cardiothoracic Surgery, Singapore, March 8, 2008.

Management options for diffuse coronary artery diseases. Milwaukee University Sept 8, 2008

Management options for diffuse coronary artery diseases. U of Brooklyn, Brooklyn, NY, Sept 9, 2008.

Management options for diffuse coronary artery diseases. Albert Einstein College of Medicine, Manhattan, NY. Sept 10, 2008.

Management of diffuse coronary artery disease: Potential of stem cell progenitor cells in cardiac surgery. Transcatheter Therapeutics (TCT). Washington DC, Oct 13, 2008.

Stem Cell Research. Cardiovascular Nurses Conference. KCMO, Oct 25, 2008.

Diffuse vascular diseases: Potential use of stem cell therapy. U of Wisconsin, Madison, WI, Nov 13, 2008.

TMR: Safety and efficacy in RCT's. Current Therapy in Cardiovascular Disease. Sutter Heart Institute, Sacramento, CA, March 2007.

Cell Therapy using Autologous Bone Marrow in the treatment of Diffuse Coronary Artery Disease. University of Prague, Czech Republic, April 11, 2007.

TMR: Synergism with autologous stem cells. University of Krakow, Poland, April, 2007.

TMR: Synergism with autologous stem cells. University of Athens, Greece. April 2007

TMR: Synergism with autologous stem cells. University of Vienna, Austria, April 2007.

Diffuse Coronary Artery Disease: Treatment options and approaches. Dar A Fouad Hospital, Giza, Egypt. May 2007

Autologous Stem Cells in the Treatment of Diffuse Peripheral and CAD. Kuwait, May 4, 2007.

TMR: Synergism with autologous stem cells. Egyptian Cardiothoracic Surgical Society, Alexandria, Egypt, May 5, 2007

Program Committee Member, session Moderator, ISMICS, Rome, Italy, June, 2007.

Activated Recombinant Factor VII: Safety assessment in cardiovascular surgery patients at high risk for postoperative bleeding. A comparative study. ISMICS, Rome, Italy, June, 2007.

Autologous stem cells in the treatment of diffuse CAD. Krakow, Poland, June 25, 2007.

Autologous stem cells in the treatment of diffuse coronary artery disease. APOLLO Hospital, New Delhi, India, Aug 25, 2007.

TMR: Synergism with autologous stem cells. University of Mexico, Mexico City, Mexico, Aug 30, 2007.

Treatment of diffuse vascular disease utilizing autologous stem cells. Vanderbilt University, Nashville, TN, Sept 10, 2007.

Treatment of diffuse vascular disease utilizing autologous stem cells. Memphis, TN, Sept 26, 2007.

TMR. Para-Anesthesia Nursing Association. North Kansas City, MO, Sept 2007.

TMR, PMR, DMR: Time for reconsideration. Advances in Cardiac & Endovascular Therapies (ACE), Oct 9, 2007.

Surgical advances in multivessel disease: Non-stent options. Advances in Cardiac & Endovascular Therapies (ACE), Oct 10, 2007.

Cardiopulmonary bypass-induced vasodilatory hypotension: Predictors and treatment with arginine vasopressin. Am Coll of Chest Physicians, Chicago, IL, Oct 22, 2007

TMR: Safety and efficacy in RCT's. Southern Thoracic Surgical Society Postgraduate Course, Nov, 2007.

Anesthetic Considerations during TMR. Annual Egyptian Cardiothoracic Anesthesia Society, Cairo, Egypt, Feb 15, 2007.

TMR: Synergistic effect with Autologous Stem Cell Therapy. Egyptian Cardiothoracic Anesthesia Society, Cairo, Egypt, Feb 15, 2007.

TMR: Safety and efficacy in RCT's. Egyptian Cardiology Society, Cairo, Egypt, Feb 18, 2007.

TMR: Safety and Effectiveness in Prospective, RCT's. Indiana Academy of Family Physicians, Jan 2006.

Cardiovascular Section Moderator American Heart Association Nov 13, 2005.

Cardiac anastomotic device. Town Hall Medicare meeting, Washington, DC, Feb 16, 2006.

Endoscopic vessel harvesting. St. Joseph's Hospital, Minneapolis, MN, Feb 2006.

Endoscopic conduit harvesting. American Association of Physician Assistants, Portland, Oregon, Oct 2006

TMR: Synergism with stem cell therapy. Cairo Heart Institute, Cairo, Egypt, Dec 2006.

Stem Cell therapy using Autologous Sources. U of Cairo, Cairo, Egypt, Dec 2006.

Simple Amiodarone Protocol Reduces Postoperative Atrial Fibrillation. ISMICS, NY June 2005.

ISMICS Consensus Statement on Endovessel Harvesting. ISMICS, NY June 2005.

Adjunctive TMR with CABG versus CABG alone: Five-year follow-up of a prospective, multicenter, RCT. STS, San Antonio, TX, Jan 2004.

Laserology. To be or not to be. TechCon, San Antonio, TX, Jan 2004.

Long-term follow-up of TMR in advanced CAD. Advance Cardiac Techniques in Surgery (ACTS). New York, NY, May 2003.

The influence of endoscopic versus traditional saphenous vein harvest on event free survival: Five year follow-up of a prospective randomized trial. STS San Diego, CA, Feb 2003.

TMR versus medical therapy: five year follow-up of a prospective, multicenter RCT.. Western Thoracic Surgical Society, La Costa, CA, June 2003.

TMR versus medical therapy: Preliminary five-year follow-up of a prospective, multicenter RCT. International Society for Minimally Invasive Cardiac Surgery, San Francisco, CA, June 2003.

TMR versus medical therapy: Five-year follow-up of a prospective, multicenter RCT. AHA, Nov 2003.

EMBOL-X intraaortic filter. FDA circulatory & device panel for PMA approval of EMBOL-X filter. Oct 23, 2002, Washington, DC.

Endoscopic versus traditional saphenous vein harvesting: a retrospective guide. ISMICS, June 2000, Atlanta, GA.

Clinical efficacy of TMR trials in “no options” patients. Angiogenesis & DMR, June 2000, Washington DC.

TMR: Current surgical practice: TCT, Washington DC, Oct 2000.

TMR: Mainstay of angina control? TCT, Washington DC, Oct 2000.

TMR using a Holmium laser: Risk & outcome predictors. AHA, Nov 2000, New Orleans.

TMR combined with CABG vs CABG alone. Results of a prospective multi-center RCT. AATS. April 1999, New Orleans, LA.

Histology of endoscopically harvested saphenous vein. World Congress on Minimally Invasive Cardiac Surgery, May 1999, Paris, France.

Alternatives to CABG. Indianapolis Nurses Association. March 1999.

Clinical experience with endoscopic vein harvest. Indiana Chapter Am Coll Surg, May 1999, Indianapolis, IN.

Clinical experience with TMR. IN Chapter Am Coll Surg, May 1999, Indianapolis, IN.

Risk factors for wound complications following saphenectomy: The impact of endoscopic vein harvesting. World Congress on Minimally Invasive Cardiac Surgery, May 1999, Paris, France.

TMR using a Holmium laser. Angiogenesis & Direct Myocardial Revascularization Meeting, June 1999, Washington, DC.



TMR using a Holmium laser. TCT, Sept 1999, Washington, DC.

Endoscopic vs traditional saphenous vein harvest: A prospective RCT with 18 month follow-up. AHA 72nd Scientific Session, Nov 1999, Atlanta, GA.

The safety and efficacy of TMR in unstable patients. Am Heart Association, Nov 1999, Atlanta, GA.

TMR: Patient selection and operative technique. Am Heart Association (How-To- Session), November 1999, Atlanta, GA.

Endoscopic saphenous vein harvesting: Clinical and economic outcomes. Association of Physician Assistants in Cardiovascular Surgery, Jan 1998, New Orleans, LA.

Endoscopic vs Traditional Saphenous Vein Harvest: A Prospective RCT. STS, Jan 1998, New Orleans, LA.

TMR in conjunction with CABG. Health Care Financing Administration (HCFA) Mar 1998, Baltimore, MD.

TMR. Mercy Heart Hospital, Feb 1998, Pittsburgh, PA.

Lung Volume Reduction Surgery. IN Association of Respiratory Therapists, April 1998.

TMR plus CABG vs CABG alone. TMR Symposium, May, 1998, Boston, MA.

Surgical TMR. The University of Louisville, Sept 1998, Louisville, KY.

Surgical TMR – Clinical Angiogenesis: The Mini-Summit. Nov 1998, Dallas, TX.

MIDCAB grafting vs single vessel conventional coronary artery bypass. Am College Cardiology, March 1998, Atlanta, GA.

Clinical experience with TMR utilizing a Holmium YAG laser. Am College Cardiology, March 1998, Atlanta, GA.

TMR plus CABG vs CABG alone. Angiogenesis & Direct Myocardial Revascularization Meeting, June 1998, Washington, DC.

Risk factors for leg wound complications following saphenous vein harvesting: Analysis of endoscopic and traditional techniques. Western Thoracic Surgical Association, June 1998, Whistler, British Columbia, Canada.

Surgical TMR. European Society of Cardiology, Vienna, Austria, Aug 1998.

CABG plus TMR: A hybrid procedure to optimize myocardial perfusion. TCT, Oct 1998, Washington, DC.

TMR vs maximal medical therapy: A prospective, multicenter RCT. FDA circulatory & device panel for PMA approval of Eclipse Holmium: YAG laser. Oct 1998, Washington, DC.

TMR combined with CABG versus CABG alone: Early results of a prospective multi-center RCT. Am Heart Association, Nov 1998, Dallas, TX.

Prospective multi-center RCT of TMR versus maximal medical management in patients with refractory class IV angina: 12 month results. Am Heart Association Nov 1998, Dallas, TX.

Conventional Redo Coronary Artery Bypass Grafting (CABG) vs Minimally Invasive Redo CABG: Initial Results. Society of Thoracic Surgeons, Feb 1997, San Diego, CA.

Clinical Experience with TMR Utilizing a Holmium: YAG Laser. World Congress on Minimally Invasive Cardiac Surgery, Paris, France, May 1997.

TMR. Third Great Wall International Advanced Review Course on Cardiology, Oct 1997, Beijing, China.

Innovations in Cardiac Surgery: MIDCAB, TMR and endoscopic saphenous vein harvest. Ball Memorial Hospital, Jan 1997, Muncie, IN.

Techniques for Endoscopic Vein Harvest. Good Samaritan Medical Center, Portland, OR, March 1997.

Techniques for Endoscopic Vein Harvest. Stanford University, March 1997.

TMR. University Healthcare Consortium: Dec 1997, Chicago, IL.

Prospective Multi-center RCT of TMR vs Maximal Medical Management in Patients with Class IV Angina. AHA, Nov 1997, Orlando, FL.

Endoscopic Saphenous Vein Harvest. University Southern California School of Medicine, Nov 1997, Los Angeles, CA.

Minimally invasive direct coronary artery bypass (MI\*DCAB) surgery. Michigan Chapter of the ACC. Oct 1996, Traverse City, MI.

Innovations in Cardiac Surgery: MIDCAB, TMR and endoscopic saphenous vein harvest. Am Association Critical Care Nurses, Oct 1996, Indianapolis, IN

Pericardial effusions: Management utilizing subxyphoid pericardiostomy versus percutaneous catheter drainage in 117 patients. Am Coll of Chest Physicians, Oct 1994, New Orleans, LA.

Subxyphoid pericardiostomy: Results in 101 patients with pericardial effusions. Chicago Surgical Society, Nov 1993, Chicago, IL.

Acute mesenteric ischemia following CPB. Southern Association for Vascular Surgery, Jan 1992, St. Thomas, U.S. Virgin Islands.

Technical aspects of the Dor-Gavriliu procedure for achalasia of the cardia in children. Georgia Chapter of the American College of Surgeons, Feb 1991, Sea Island, GA.

Achalasia of the cardia: The Dor-Gavriliu procedure. Southeastern Surgical Congress, April 1991, New Orleans, LA.

Surgery for achalasia of the cardia in children: The Dor-Gavriliu procedure. Pediatric Surgery Resident's Conference, Chicago, IL, Nov 1990.

Pediatric wandering spleen - the case for splenopexy: Review of 35 reported cases in the literature. Pediatric Resident's Conference, Chicago, IL, Nov 1990.

A prospective longitudinal study of observation versus surgical intervention in the management of necrotizing pancreatitis. Society of Surgery of the Alimentary Tract, San Antonio, TX, May, 1990.

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