

# Curriculum Vitae and Bibliography

## Joseph A. Dearani, MD

### PERSONAL INFORMATION

Date of Birth: December 28, 1960  
Place of Birth: Norwalk, CT  
Citizenship: United States  
Work Address: Mayo Clinic  
200 First Street SW  
Rochester, MN 55905  
507-255-2034  
Home Address: 4424 Ettenmoor Lane SW  
Rochester, MN 55902  
507-281-8976  
Additional Information: Married to Ann Maria Maddalena  
Children: Michael, Grace, Patrick

### PRESENT ACADEMIC RANK AND POSITION

**Consultant** - Division of Cardiovascular Surgery, Department of Surgery, Mayo Clinic, Rochester, Minnesota 1996 - Present  
**Consultant** - Division of Transplantation Surgery, Department of Surgery, Mayo Clinic, Rochester, Minnesota 1996 - Present  
**Associate Professor of Surgery** - Mayo Clinic 2002 – 2007  
**Professor of Surgery** – Mayo Clinic 2007 – Present

### EDUCATION

Fordham University 1982  
BA, Biology/Spanish  
School of Medicine, Georgetown University 1986  
MD  
Georgetown University Hospital, Georgetown University 1986 - 1987  
Internship, General Surgery  
Georgetown University Hospital, Georgetown University 1987 - 1988  
Residency, General Surgery  
Brigham and Women's Hospital, Harvard Medical School 1988 - 1990  
Research Fellowship, Surgery  
Georgetown University Hospital, Georgetown University 1990 - 1992  
Residency, Surgery  
Georgetown University Hospital, Georgetown University 1992 - 1993  
Chief Resident, General Surgery  
Mayo Clinic 1993 - 1996  
Residency, Thoracic and Cardiovascular Surgery

Loma Linda University Medical Center 1997  
Fellowship, Congenital Cardiac Surgery and Transplantation

## BOARD CERTIFICATION (S)

**American Board of Surgery** 1994 & 2002

**American Board of Thoracic Surgery** 1997, 2005

**National Board of Medical Examiners** 1987  
Diplomate

## LICENSURE

Minnesota 36519 1993 - Present

## HONORS/AWARDS

Dean's List - Fordham University 1979 - 1982

Alpha Omega Alpha - Georgetown University Hospital 1986

Charles A. Hufnagel Research Award in Surgery 1990

First Place, Basic Science - Washington Academy of Surgery, Surgical Resident's Competitive Forum 1993

Harry B. Zehner Traveling Fellowship Award - Washington Chapter of the American College of Surgeons 1993

Marguerite George Award in Vascular Surgery 1993

O.T. Clagett Traveling Fellowship Award in Thoracic and Cardiovascular Surgery - Mayo Clinic 1994

Dwight McGoon Mentorship Award from the American Association of Thoracic Surgery 2006

American College of Cardiology, Champions of Minnesota, Award for contributions in international pediatric cardiac surgery in the underserved. 2006

## PREVIOUS PROFESSIONAL POSITIONS AND MAJOR APPOINTMENTS

**Instructor of Surgery** - Harvard Medical School, Boston, Massachusetts 1988 - 1990

**Assistant Professor of Surgery** - Mayo Clinic College of Medicine 1996 - 2002

**Assistant Professor of Surgery** - Loma Linda University Medical Center, Loma Linda, California 1997

## PROFESSIONAL & COMMUNITY MEMBERSHIPS, SOCIETIES AND SERVICES

(\*indicates office held)

**Professional Memberships & Services**

American Surgical Association  
 American Academy of Pediatrics  
 American Association for Thoracic Surgery  
 American College of Surgeons  
 American Heart Association  
 American College of Cardiology  
 American Medical Association  
 Congenital Heart Surgeons Society  
 Lunar Society of Congenital Heart Surgeons  
 International Society For Heart and Lung Transplantation  
 Medical Society of the District of Columbia  
 Minnesota Medical Association  
 Sigma XI, The Scientific Research Society  
 Society of Thoracic Surgeons  
 Zumbro Valley Medical Society

**Journal Review & Editorial Activities**

Annals of Thoracic Surgery Guest Reviewer	1998 – present
Global Profile of Children's Cardiac Health, Chair	2004 – present
Mayo Clinic Proceedings Guest Reviewer	2000 – present
Journal of Thoracic and Cardiovascular Surgery Guest Reviewer	2000 - Present
Self-education self assessment in Thoracic Surgery (SESATS)	2000 – Present
American Association of Thoracic Surgery Web Site	2004 - Present
Journal of Cardiac Surgery Editorial Board	2005 - Present
American College of Cardiology	

Surgeon Scientific Council

2008 - Present

**EDUCATIONAL ACTIVITIES****Scholarship****Presentations**

Ebstein's Anomaly 2003  
 Thoracic Surgery Directors Association  
 Educational Series

**Honors and Awards for Education**

**Resident Teacher Award in Surgery**- Georgetown University, 1993

**INSTITUTIONAL/DEPARTMENTAL ADMINISTRATIVE RESPONSIBILITIES,  
 COMMITTEE MEMBERSHIPS AND OTHER ACTIVITIES (\* indicates office held)**

American Association for Thoracic Surgery (AATS) 2005 – 2008  
 \*Program Committee

American Association for Thoracic Surgery (AATS) 2005 – present  
 \*Web Committee

Congenital Heart Surgeons' Society (CHSS) 2005 – Present  
 \*Member of the Education Committee

Mayo Clinic Department of Surgery  
 \*Division of Cardiovascular Surgery  
 Thoracic Surgery Residency Training Program 2002 - present  
 \*Program Director

Mayo Clinic ECMO Program Co-director 2003 - present

Mayo Clinic Eugenio Litta Children's Hospital 1999 – 2004  
 Pediatric Council

Mayo Clinic Transfusion Committee 1996 – 1997

Mayo Clinic 5 Mary Brigh B & G Cardiac Surgical Intensive Care Unit - 1997 – present  
 Director

Mayo Clinic Pediatric Council Marketing Subcommittee 1997 – 1999

Mayo Clinic ICU Committee 1999 – 2004

Mayo Clinic Pharmacy and Therapeutics Committee 2000 – 2001

Society of Thoracic Surgeons 1998 – present  
 \*Congenital Heart Surgery Nomenclature Committee

Society of Thoracic Surgeons *Taskforce for Congenital Heart Disease	2005 - present
Society of Thoracic Surgeons *Taskforce for Adult Congenital Heart Disease *Chair	2005 – present
Society of Thoracic Surgeons *Committee to Develop Guidelines for the Management of Adults with Congenital Heart Disease	2007 – present
Society of Thoracic Surgeons *Workforce on Congenital Heart Surgery	2007 - Present

## PRESENTATIONS

### International

Chronic Pacemaker Dependency in Patients Paced for Postoperative Bradyarrhythmias X World Symposium on Cardiac Pacing & Electrophysiology Buenos Aires, Argentina	10/1995
Heart Transplantation for Adult Congenital Heart Disease Loma Linda International Conference on Pediatric Heart and Lung Transplantation Rancho Mirage, California	01/1997
New Approaches to Aortic Valve Repair Society of Thoracic Surgeons of Thailand Chiengrai, Thailand	12/1998
Cardiac Surgery in the Pregnant Patient Society of Thoracic Surgeons of Thailand Chiengrai, Thailand	12/1998
The Role of the Maze Procedure in Congenital Heart Disease Society of Thoracic Surgeons of Thailand Chiengrai, Thailand	12/1998
What's New in Coronary Artery Surgery? Separating "Smoke and Mirrors" from Reality Society of Thoracic Surgeons of Thailand Chiengrai, Thailand	12/1998
Pediatric Cardiac Re-transplantation: Experience at a Single Institution International Society for Heart and Lung Transplantation San Francisco, California	04/1999
The Mayo Clinic Repair of Ebstein's Anomaly 3rd World Congress of Pediatric Cardiology and Cardiac Surgery Toronto, Canada Video sessions	05/2001
Valvular Surgery in the Elderly American College of Cardiology/The Seventh Annual Cardiology at Cancun 2002 Cancun, Mexico	02/2002 - 03/2002

Cardiac Transplantation and Device Therapy American College of Cardiology/The Seventh Annual Cardiology at Cancun 2002 Cancun, Mexico	02/2002 - 03/2002
In Situ Coronary and Peripheral Bypass, Sutureless Coronary Surgery American College of Cardiology/The Seventh Annual Cardiology at Cancun 2002 Cancun, Mexico	02/2002 - 03/2002
Case Studies in Valve Disease and Adult CHD Cardiology At Cancun 2003 Symposium Cancun, Mexico	02/2003
Surgery in Adult CHD: Issues, Challenges, and Results Cardiology at Cancun 2003 Symposium Cancun, Mexico	03/2003
AVR in the Elderly (80 Years and Older): Risks and Results Cardiology at Cancun 2003 Symposium Cancun, Mexico	03/2003
Ebstein's Anomaly: Diagnosis and Management Options. Evaluation and Management of Aortic Coarctation in Adults. Tetralogy of Fallot in Adults: Surgical Treatment, Follow-up and Complications. Indications and Follow- up after the Fontan Operation. Congenital Heart Disease in Adults Conference Santiago, Chile	10/2004
Hypertrophic Cardiomyopathy Current Surgical Approach CHSS Mtg & Fourth World Congress of Pediatric Cardiology & Cardiac Surgery Buenos Aires, Argentina	09/2005
Improving Cardiac Care for Children in Developing Countries CHSS Mtg & Fourth World Congress of Pediatric Cardiology & Cardiac Surgery Buenos Aires, Argentina	09/2005
Ebstein's Anomaly and a Bad Right Ventricle What Operation and When? CHSS Mtg & Fourth World Congress of Pediatric Cardiology & Cardiac Surgery Buenos Aires, Argentina	09/2005
The Optimal Procedure for TGA, VSD, and LVOTO Classic Rastelli Procedure CHSS Mtg & Fourth World Congress of Pediatric Cardiology & Cardiac Surgery Buenos Aires, Argentina	09/2005
Surgical repair: The Mayo Philosophy Ebstein's Anomaly - A Comprehensive Approach Southampton, England	04/2008

Surgeon's Perspective: What Information I Need to Know in the Adult with Congenital Heart Disease 19 <sup>th</sup> Annual Scientific Sessions American Society of Echocardiography Toronto, Canada	06/2008
How Should Non Government Organizations Help World Summit on Pediatric and Congenital Heart Surgery Services, Education and Cardiac Care in Children and Adults with Congenital Heart Disease Montreal, Canada	06/2008
<b>National</b>	
Myocardial pH and Coronary Perfusion Pressure as Indicators of Survival During Cardiopulmonary Resuscitation American College of Surgeons Atlanta, Georgia Surgical Forum	10/1989
Routine Measurement of Myocardial Temperature is not Reflective of Myocardial Metabolism During Cardiac Surgery American College of Surgeons San Francisco, California Surgical Forum	10/1990
A Blood Vessel Equivalent as a Small-Caliber Vascular Prosthesis American Heart Association Dallas, Texas Scientific Sessions	11/1990
Combined Maze-Mitral Valve Repair Society of Thoracic Surgeons Orlando, Florida Movie presentation	01/1996
Comparison of Techniques for Implantation of Aortic Valve Allografts: Influence on Subsequent Aortic Regurgitation Society of Thoracic Surgeons Orlando, Florida Scientific Sessions	01/1996
PFO Closure to Prevent Recurrent Stroke or TIA in Young Adults American College of Cardiology Orlando, Florida Scientific Sessions	03/1996
Results of Allograft Aortic Valve Replacement for Complex Endocarditis Western Thoracic Surgical Association Maui, Hawaii Scientific Sessions	06/1996
Late Results of Complete A-V Canal Repair Congenital Heart Surgeons Society Chicago, Illinois	09/1996
Comparative Risks of Late Cerebral Thromboemboli with Mechanical, Heterograft and Allograft Aortic Valve Prostheses American Heart Association New Orleans, Louisiana Scientific Sessions	11/1996

Surgical Repair of Recoarctation Congenital Heart Surgeons' Society Chicago, Illinois	09/1997
Drainage and Pericardiotomy for Tamponade American College of Cardiology Atlanta, Georgia	03/1998
Multiple Pulmonary Vein Stenoses After Repair of TAPVC Congenital Heart Surgeons' Society Chicago, Illinois	09/1998
Surgical Patent Foramen Ovale Closure for Prevention of Paradoxical Embolism Induced Cerebrovascular Events American Heart Association Dallas, Texas	11/1998
Fontan Conversion: Early to Intermediate Results Congenital Heart Surgeons' Society Chicago, Illinois	09/1999
Late Results After Repair of Complete AV Canal: 25-Year-Follow Up American Academy of Pediatrics Washington, District of Columbia	10/1999
Valvular Heart Disease, CHF, and Surgical Indications 5th Annual Mountain Course/Success with Failure: New Strategies for the Evaluation and Treatment of Congestive Heart Failure Whistler, British Columbia, Canada	08/2000
Ischemic Heart Disease and Congestive Heart Failure: A Surgical Perspective 5th Annual Mountain Course/Success with Failure: New Strategies for the Evaluation and Treatment of Congestive Heart Failure Whistler, British Columbia, Canada	08/2000
The Modern Fontan Procedure: Technical Aspects and Impact on Late Complications American College of Surgeons Chicago, Illinois	10/2000
Posterior Pericardial Ascending to Descending Aortic Bypass: An Alternative Surgical Approach for Complex Coarctation of the Aorta 3rd World Congress of Pediatric Cardiology and Cardiac Surgery Toronto, Canada	05/2001
The Role of Myocardial Temperature Measurement in Monitoring the Adequacy Myocardial Protection during Cardiac Surgery: A Clinical Study and Review American Association of Thoracic Surgery San Diego, California	05/2001
Mayo Clinic Repair of Ebstein's Anomaly American Association for Thoracic Surgery San Diego, California	05/2001
Medical/Surgical Perspectives: Surgery for Ischemic Cardiomyopathy 6th Annual Mountain Course/Success With Failure: New Strategies for the Evaluation and Treatment of Congestive Heart Failure Whistler, British Columbia, Canada	08/2001



Right-Sided Maze Procedure for Atrial Tachyarrhythmias Associated with Congenital Heart Disease Congenital Heart Surgeons' Society Chicago, Illinois Movie presentation	10/2001
Lessons Learned from a 30-Year Experience with the Rastelli Operation for Transposition of the Great Arteries Midwest Pediatric Cardiology Society Meeting Omaha, Nebraska	11/2001
Twenty-five Year Follow-up of 1,095 Pulmonary Ventricle to Pulmonary Artery Conduits for Complex Congenital Heart Disease Society of Thoracic Surgeons Ft. Lauderdale, Florida	01/2002
Surgical Approaches to Tricuspid Valve and Ebstein's Anomaly Pediatric Echocardiography, 2nd International Symposium St. Petersburg, Florida	01/2002 - 02/2002
Poster Session B, Congenital Cardiac 39th Annual Meeting of The Society of Thoracic Surgeons San Diego, California	02/2003
Long-Term Outcome with Autologous Tissue Reconstruction for Replacement of Obstructed Extracardiac Conduit 39th Annual Meeting of The Society of Thoracic Surgeons San Diego, California	02/2003
The Palliative Atrial Switch for Patients with Severe Pulmonary Vascular Obstructive Disease: Early and Late Results 39th Annual Meeting of The Society of Thoracic Surgeons San Diego, California	02/2003
Resident Update - Work Hour Issues Mayo Clinic Alumni Association Reception at the 39th Annual Meeting of The Society for Thoracic Surgeons San Diego, California	02/2003
Closure of Patent Foramen Ovale: To Close or Not to Close American College of Cardiology 52nd Annual Scientific Session Chicago, Illinois	04/2003
Extended Septal Myectomy for Hypertrophic Obstructive Cardiomyopathy with Anomalous Mitral Papillary Muscles or Chordae. 83 <sup>rd</sup> Annual AATS Meeting Boston, Massachusetts	05/2003
Surgical Myectomy for the Treatment of Hypertrophic Obstructive Cardiomyopathy. 84 <sup>th</sup> Annual AATS Meeting Toronto, Ontario, Canada	04/2004
Cardiovascular Monitoring and Management of Low Cardiac Output. The Maze Operation: Surgical Approaches and Unique Aspects of Perioperative Management. Cardiothoracic Surgical Critical Care: A Cross Disciplinary Specialty of Evolving Concepts and Therapeutics (CTS Critical Care) Washington, District of Columbia	04/2004
Volunteerism: Pediatric Cardiac Surgery in Developing Countries. First Annual Georgetown Surgical Alumni Day Washington, District of Columbia	04/2004

Surgical Approaches to Hypertrophic Cardiomyopathy. Treating Mitral Regurgitation in the Heart Failure Patient: Medical and Surgical Perspectives. 9th Annual Mountain Course: Success With Failure: New Strategies for the Evaluation and Treatment of Congestive Heart Failure. Whistler, British Columbia, Canada	08/2004
Tricuspid Valve Repair for Ebstein's Anomaly in Young Children: A 30-Year Experience 41st Annual Meeting of The STS Tampa, Florida	01/2005
Right-Sided Maze Procedure for Right Atrial Arrhythmias in Congenital Heart Disease 41st Annual Meeting of the STS Tampa, Florida	01/2005
LV Dysfunction in Atrial Fibrillation Southern Thoracic Surgical Association 52 <sup>nd</sup> Annual Meeting Orlando, Florida Restoration of Sinus Rhythm by the Cox-maze Procedure Significantly Improves Systolic Function & Functional Status	11/2005
Surgical Management of Congenital Heart Disease Congenital Echo Workshop Phoenix, Arizona	02/2006
What the Surgeon Needs to Know from the Echo Report Endoluminal Pulmonary Artery Banding: Technique Applications and Results Southern Thoracic Surgical Association Bonita Springs, Florida	11/2007
Valve Spring Aortic Root Replacement. 44th Annual Meeting of the STS Fort Lauderdale, Florida	01/2008
<b>Regional</b>	
Newborn Congenital Heart Disease: Emergencies and Urgencies Luther Midelfort Mayo Health System Eau Claire, Wisconsin Pediatric Grand Rounds	12/2001
Cryptogenic Stroke and PFO: To Close or Not to Close - and How? Medical & Surgical Controversies in Cardiovascular Disease: The Aorta & Peripheral Vessels at the Mayo Clinic Rochester, Minnesota	06/2003
Valvular Heart Disease - When to Consider Surgical Options Internal Medicine Review for Nurse Practitioners and Physician Assistants at Mayo Clinic Rochester, Minnesota	08/2003
Intraoperative Echocardiography: The Surgeon's Perspective On What Is Important. Echocardiography in Pediatric and Adult Congenital Heart Disease at the Mayo Clinic Rochester, Minnesota	10/2003

Mayo Health System, Board of Trustees Conference Rochester, Minnesota Keynote Address: HeartLink, Caring for Kids Around the Globe.	03/2004
Valve Repair and Replacement -- What Have We Learned. Third National Conference, Adult Congenital Heart Association Rochester, Minnesota	04/2004
Surgical Management of Complex Aortic Valve Endocarditis. Valvular Heart Disease: New Strategies Non-invasive Interventional & Surgical Approaches Rochester, Minnesota	06/2004
Surgical Approach to and Results in Obstructive HCM. 20th Annual Echocardiography in Pediatric and Adult Congenital Heart Disease. Rochester, Minnesota	10/2004
Surgery and Hypertrophic Cardiomyopathy – What’s New and for Who? Cardiovascular Grand Rounds, Mayo Clinic Rochester, Minnesota	11/2004
Pediatric Cardiovascular Surgery in Developing Countries: An Opportunity for All! Twelfth Annual Heart Disease and Stroke Conference, Department of Nursing, Mayo Clinic Rochester, Minnesota	04/2005
There is Still a Place for Surgical Closure of PFO course Mayo Clinic Controversies in Cardiovascular Disease Rochester, Minnesota	05/2005
Indications For and Results Of Radical Pericardiectomy Mayo Clinic Controversies in Cardiovascular Disease course Rochester, Minnesota	05/2005
Clinical Perspective Role of Echo in Surgical Management and Late Results 21 <sup>st</sup> Annual Echocardiography in Pediatric and Adult Congenital Heart Disease Rochester, Minnesota	10/2005
Reoperations in the Patient with a Prosthetic Conduit: Prosthetic Choices, Surgical Approaches and Risks. 22 <sup>nd</sup> Annual Echocardiography in Pediatric and Adult Congenital Heart Disease Rochester, Minnesota	10/2006
Management Challenges in the Adult with CHD 23 <sup>rd</sup> Annual Echocardiography in Pediatric and Adult Congenital Heart Disease Rochester, Minnesota	10/2007

**INVITED PRESENTATIONS AND VISITING PROFESSORSHIPS****Invited Presentations**

Pediatric Heart Transplantation Fargo Clinic Meritcare Fargo, North Dakota	01/1998
Pediatric Heart Transplantation Marshfield Clinic Marshfield, Wisconsin	02/1998
Pediatric Heart Transplantation University of South Dakota Sioux Falls, South Dakota	05/1998
Pediatric Critical Care Outreach Dakota Heartland Hospital Conference Fargo, North Dakota	05/2001
Newborn Congenital Heart Disease: Emergencies and Urgencies Luther Midelfort Mayo Health System/Peds Grand Rounds Eau Claire, Wisconsin	12/2001
Surgical Approaches to Tricuspid Valve and Ebstein's Anomaly Pediatric Echocardiography Conference St. Petersburg, Florida	01/2002
Ebstein's Anomaly Congenital Heart Institute of Florida All Children's Hospital and The University of South Florida George Daicoff Cardiac Lecture Series St. Petersburg, Florida	03/2002
Heart Defects in Children, The Fontan Procedure PBS Program 13 WNET Bronx, New York	10/2002
The Work Hour Issue for Residents and Fellows TSDA Meeting at the 39 <sup>th</sup> Annual Meeting of The Society of Thoracic Surgeons San Diego, California	02/2003
The Long-Term Outcome of Patients with Coronary Disease and Atrial Fibrillation Undergoing the Cox Maze Procedure (Invited Discussant) 83 <sup>rd</sup> Annual Meeting of the AATS Boston, Massachusetts	05/2003
Early and Medium Term Results for Repair of Ebstein Anomaly (Invited Discussant) 83 <sup>rd</sup> Annual Meeting of the AATS Boston, Massachusetts	05/2003
Ebstein's Anomaly: A Comprehensive Review American College of Surgeons - 89th Annual Clinical Congress Chicago, Illinois	10/2003
Mid-Term Results of Mitral Valve Repair Using Artificial Chordae in Children. (Discussant) 84 <sup>th</sup> Annual Meeting of the AATS Toronto, Ontario, Canada	04/2004

The Role of Surgery in HCM--Myectomy and Mitral Valve Repair/Replacement for the Treatment of Obstruction. New Jersey Chapter American College of Cardiology Annual Meeting Morristown, New Jersey	06/2004
Early Insertion of a Valved Conduit for Chronic Pulmonary Insufficiency Based on Right Ventricular Volumetry Helps Restoration of Normal Right Ventricular Dimensions. (Discussant) 41st Annual Meeting of The STS Tampa, Florida	01/2005
Ebstein's Anomaly: Timing and Type of Surgery Adult Congenital Heart Disease: Challenging Cases from the Mayo Clinic Orlando, Florida	03/2005
Have we made any Progress with Tricuspid Valve Surgery? AATS/STS Adult Cardiac Symposium 85th Annual Meeting of the AATS San Francisco, California	04/2005
Tricuspid Valve: Unrecognized, Underestimated, and Unappreciated. Mayo-Turkey Joing Meeting, Advances in Cardiovascular Medicine and Cardiovascular Surgery Istanbul, Turkey	05/2005
Surgical Advances in CABG and How to Minimize Neurocognitive Dysfunction. Refractory Heart Failure: Surgical Advances Mayo-Turkey Joint Meeting Advances in Cardiovascular Medicine and Cardiovascular Surgery Istanbul, Turkey	05/2005
Aortic Valve Replacement in the Elderly: Special Considerations and Latest Results. Surgical Maze Procedure: For Who, When, and How? Mayo-Turkey Joint Meeting, Advances in Cardiovascular Medicine and Cardiovascular Surgery Istanbul, Turkey	05/2005
The Role of Surgery in HCM -- Myectomy and Mitral Valve Repair/Replacement for the Treatment of Obstruction. 8th Annual Hypertrophic Cardiomyopathy Association Annual Meeting Morristown, New Jersey	06/2005
Adult Congenital Heart Disease and the Mayo Clinic Experience Congenital Heart Surgeons Society Summer Retreat Chicago, Illinois	08/2005
Tricuspid Valve Repair with and without Ebstein's Anomaly Sixth Annual International Symposium on Congenital Heart Disease St. Petersburg, Florida	02/2006
The Mayo Clinic Experience The Second National Symposium for Adult Congenital Heart Disease Birmingham, England	06/2006
Surgery for the Adult with Ebstein's Anomaly of the Tricuspid Valve The Second National Symposium for Adult Congenital Heart Disease Birmingham, England	06/2006

Surgical Approaches to Arrhythmia The Second National Symposium for Adult Congenital Heart Disease Birmingham, England	06/2006
Why Myectomy is the Gold Standard Treatment for Obstruction The Hypertrophic Cardiomyopathy Association Members' Meeting Morristown, New Jersey	06/2006
Advances in Surgery for Valvular Heart Disease-Emphasis on Aortic Valve Repair, Operation for Ischemic Mitral Regurgitation, New Valves. 4 <sup>th</sup> Annual Cardiovascular Ultrasound: From Pictures to Information Phoenix, Arizona	10/2006
Techniques, Indications and Results of Surgical Septal Myectomy: The Historic Gold Standard International Summit III Diagnosis and Management of Hypertrophic Cardiomyopathy and Prevent of Sudden Death: The First 50 Years. Minneapolis, Minnesota	10/2006
Update on Hypertrophic Cardiomyopathy: Genetics, Medical, and Surgical Management of the Pediatric Patient. When and How to Manage the Patient with Surgery or Intervention. American Heart Association Scientific Sessions 2006 Chicago, Illinois.	11/2006
J. Maxwell Chamberlain Memorial Paper for Congenital Heart Surgery: Surgical Lessons from the First 100 Fontan Conversion with Arrhythmia Surgery (Invited Discussant) 43 <sup>rd</sup> Annual Meeting of the STS San Diego, California	01/2007
The ACC/AHA Guidelines for Adults with CHD. Seventh Annual International Symposium on Congenital Heart Disease. St. Petersburg, Florida.	02/2007
Hypertrophic Cardiomyopathy: Anatomic and Surgical Implications of Perioperative Management. Cardiothoracic Surgical Critical Care 2007 Washington, DC	03/2007
Variation in the MAZE Operation – Variations in Post Operative Care and Results. Cardiothoracic Surgical Critical Care 2007 Washington, DC	03/2007
PV Replacement with Homografts and Heterografts 1 <sup>st</sup> Meeting of the World Society for Pediatric and Congenital Heart Surgery Washington, District of Columbia	05/2007
Hypertrophic Cardiomyopathy: Diagnosis & Treatment Hackensack University Medical Center Hackensack, NJ	06/2007

Treatment of Obstruction The Hypertrophic Cardiomyopathy Association 10 <sup>th</sup> Annual Members' Meeting Morristown, NJ	06/2007
Adults with Congenital Heart Disease – A Growing Population 2007 Priestley Society Meeting Rochester, MN	10/2007
Timing of Elective Surgery for Congenital Heart Lesions Revisited Repair of Ebstein's Anomaly American Heart Association Scientific Sessions 2007 Orlando, FL	11/2007
Adults with TOF - The Mayo Clinic Experience Eighth Annual International Symposium on Congenital Heart Disease St. Petersburg, Florida	02/2008

**Visiting Professorships**

<p>Honorary Professor of Lan Zhou Medical College, Lan Zhou, China  Honorary Professor of Lan Zhou Medical College, Lan Zhou, China for ten  years of Humanitarian Outreach and Medical Volunteerism  Lan Zhou Medical College, First Affiliated Hospital  Lan Zhou, Peoples Republic of China</p>	1997 to present
<p>Visiting Professor  Hypertrophic Cardiomyopathy – Surgical Results  Department of Surgery  Tufts University School of Medicine  Boston, Massachusetts</p>	07/2003
<p>Visiting Professor  Ebstein’s Anomaly  All Children’s Hospital  St’ Petersburg, Florida</p>	09/2002
<p>Visiting Professorship  Experience and Outcome of the Rastelli Procedure at the Mayo Clinic  15<sup>th</sup> Annual Farouk Idriss Lectureship  Northwestern University  Children’s Memorial Hospital  Chicago, Illinois</p>	09/2005
<p>Visiting Professorship  Ebstein Anomaly Status of Adult Congenital Surgery  The Children’s Hospital Heart Institute  Denver, Colorado</p>	04/2006
<p>Visiting Professorship  Montreal General Hospital of the McGill University Health Centre  Montreal, Canada</p>	05/2006
<p>Visiting Professorship  Hospital Beneficencial Portuguesa de Sal Paulo  Hospital Beneficencial Portuguesa de Sal Paulo  Sao Paulo, Brazil</p>	06/2007
<p>Visiting Professorship  Congenital Heart Disease  Massachusetts General Hospital  Boston, Massachusetts</p>	02/2008



## CLINICAL PRACTICE, INTERESTS, AND ACCOMPLISHMENTS

Children's HeartLink, Minneapolis, Minnesota

\* Medical Director, 2003 - Present

International Medical Charity dedicated to the treatment and prevention of heart disease in children at risk in developing countries.

Staff Surgeon & Team Leader, Pediatric Cardiovascular Surgery

- 1). Cali, Colombia, October 1996
- 2). Cali, Colombia, February 1998
- 3). Bangalore, India, January 1999
- 4). Bangalore, India, February 2000
- 5). LanZhou, China, April 2001
- 6). LanZhou, China, May 2002
- 7). LanZhou, Beijing, China, May 2004
- 8). LanZhou, China, October 2005
- 9). LanZhou and Shanghai, China, September 2007

## RESEARCH GRANTS AWARDED

### ACTIVE

Principal Investigator	Clinical Investigation of the Carbomedics Synergy TM PC Bioprosthesis for Aortic Valve Replacement. Funded by Carbomedics, Inc. (CARBOMEDICS #2;1A5072)	02/2004 - 01/2008
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Co-Investigator	Aortic Valve Operative Outcomes in Marfan Patients. Funded by National Marfan Foundation.	01/2005 - 12/2007
Principal Investigator	Tricuspid valve Replacement – prospective randomized trial of the Hancock II porcine versus the Mosaic porcine bioprosthesis. Funded by Medtronic, Inc.	03/2006
Principal Investigator	Myocardial pH directed Administration of Cardioplegia – prospective randomized. Funded by Terumo, Inc.	03/2006
Co-Investigator	MMV Agreement—Bypass Pump Observation Study. Funded by Sorin Group. (COBE #3; 1A5754)	04/2005 – 12/2005
Co-Investigator	Synergy Between PCI with TAXUS and Cardiac Surgery (SYNTAX Trial) (IRB 1268-05). Funded by Boston Scientific Corporation. (BOSTON #35; 1A5726)	07/2005 – 7/2011

**COMPLETED**

Principal Investigator	PNU-74006F (Tirilized Mesylate IV Concentrate): A Phase III Dose Escalation Study to Evaluate Safety and Efficacy for the Prevention and/or Amelioration of Acute Renal Failure in Patients with Renal Impairment Who are Undergoing Elective. Funded by Pharmacia & Upjohn, Inc. (Pharmacia 14)	06/1998 - 12/2000
Co-Investigator	Artificial Valve Endocarditis Reduction Trial (AVERT). Funded by St. Jude Medical, Inc. (Jude 1)	06/1998 - 05/2004
Co-Investigator	What Part of the Cardiopulmonary Bypass Circuit Causes Platelet Damage: A Prospective Randomized Blinded Study. Funded by CR Programs.	07/2001 - 06/2003
Principal Investigator	Use of the Sulzer Carbomedics CPHV Optiform Mitral Valve as a Replacement Mitral Heart Valve. Funded by Sulzer Carbomedics Inc. (SULZER #2; 1A4440)	04/2002 - 03/2004

**OTHER**

Midwest Pediatric Cardiology Society 27th Annual Meeting. Joseph Dearani, M.D., Vice-President Rochester, Minnesota Presented by the Mayo Department of Pediatric Cardiology and the Division of Cardiovascular Surgery.	09/2004
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## BIBLIOGRAPHY

- \* First author, responsible for publication.
- \*\* Performed research.
- † Mentor.
- †† Senior author, responsible for publication.

### Peer-reviewed articles

- \*1. **Dearani JA**, Khabbaz KR, Axford TC, Wolfe JA, Marquardt CA, Patel MA, Mackenthun A, Shaw L, Khuri SF. Myocardial pH and coronary perfusion pressure as indicators of survival during cardiopulmonary resuscitation. *Surg Forum* 1989; 40:46-48.
2. Khabbaz KR, Krisanda J, Wolfe JA, Axford TC, **Dearani JA**, Marquardt C, Neuringer L, Valeri CR, Khuri SF. Simultaneous in vivo measurements of intracellular and extracellular myocardial pH during repeated episodes of ischemia. *Current Surgery* 1989; 46:399-400.
- \*3. **Dearani JA**, Axford TC, Patel MA, Healey NA, Khuri SF. Routine measurement of myocardial temperature is not reflective of myocardial metabolism during cardiac surgery. *Surg Forum* 1990; 41:228-30.
4. Khabbaz KR, Marquardt CA, Wolfe JA, Ragno G, Fonger JD, Axford TC, **Dearani JA**, Valeri CR, Khuri SF. Reversible platelet dysfunction following cardiopulmonary bypass: a temperature dependent defect in platelet membrane thromboxane A2 synthesis. *Surg Forum* 1990; 40:201-203.
- \*5. **Dearani JA**, Arcomano T, Bass BL. Sigmoidoappendiceal fistula secondary to diverticulitis. Report of a case and review of the literature. *Dig Surg* 1991; 8:62-64.
- \*\*6. Axford TC, **Dearani JA**, Khait I, Park WM, Patel MA, Doursounian M, Neuringer L, Valeri CR, Khuri SF. Electrode-derived myocardial pH measurements reflect intracellular myocardial metabolism assessed by phosphorus 31-nuclear magnetic resonance spectroscopy during normothermic ischemia. *J Thorac Cardiovasc Surg* 1992 May; 103(5):902-6; discussion 906-7.
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