

## **CURRICULUM VITAE**

**NAME:** Darryl G. Stein, M.D.

**OFFICE ADDRESS:** Western Cardiothoracic Surgeons (8-97 – Present)  
1830 S. Alma School Road, Suite 108  
Mesa, AZ 85210  
(480) 248-3000

**EDUCATION:** Resident in Cardiothoracic Surgery  
Boston University Medical Center  
Boston, Massachusetts  
July 1994 – July 1997

Chief Resident in General Surgery  
UCLA Medical Center  
Los Angeles, California  
July 1993 – June 1994

Senior Resident in General Surgery  
UCLA Medical Center  
Los Angeles, California  
July 1991 – June 1993

Research Fellow in Cardiac Surgery  
UCLA Medical Center  
Los Angeles, California  
July 1989 – June 1991

Resident in General Surgery  
UCLA Medical Center  
Los Angeles, California  
July 1988 – June 1989

Intern in General Surgery  
UCLA Medical Center  
Los Angeles, California  
July 1987 – June 1988

Loyola University

**Stritch School of Medicine  
Maywood, Illinois  
M.D. 1987**

**University of Notre Dame  
Notre Dame, Indiana  
B.S. 1983**

**HONORS:** **Alpha Omega Alpha National Medical Honor Society**

**HOSPITAL  
AFFILIATIONS:** **Banner Desert Samaritan Medical Center  
Banner Baywood Heart Hospital  
Chandler Regional Hospital**

**MEDICAL STAFF POSITIONS  
AND COMMITTEES**

**2005 Chief Surgery, Banner Heart Hospital**

**2006-2007 Vice President Medical Staff  
Banner Heart Hospital**

**Chair-Credentials Committee  
Banner Heart Hospital**

**Vice Chair-Professional Conduct Committee  
Banner Heart Hospital**

**Vice Chair Allied Health Committee  
Banner Heart Hospital**

**Chair Ad-Hoc E-ICU Committee  
Banner Heart Hospital**

**2008 – 2009 President Medical Staff  
Banner Heart Hospital**

**Chair Executive Committee  
Banner Heart Hospital**

**Chair Professional Conduct Committee  
Banner Heart**

**2010 – 2011 Vice President-Medical Staff  
Banner Heart Hospital**

**Chair Credentials Committee  
Banner Heart Hospital**

**Vice Chair Allied Health Committee  
Banner Heart Hospital**

**Vice Chair Professional Conduct Committee  
Banner Heart Hospital**

**2012 – 2013 President Medical Staff  
Banner Heart Hospital**

**Chair Executive Committee  
Banner Heart Hospital**

**RECOGNITION &  
AWARDS**

**Phoenix Magazine Top Doctor 2006 & 2007, 2009, 2013**

**Guardian Award-Banner Heart Hospital 2007**

**CURRENT PRACTICE:**

**Western Cardiothoracic Surgeons, PLC  
Mesa, AZ 85210  
August 1997 – Present**

**DARRYL G. STEIN, M.D.**  
**CURRICULUM VITAE**

**CERTIFICATION AND  
LICENSURE:**

State of Arizona, Medical Licensure #25394 – 1997  
State of Massachusetts, Medical Licensure #79494–1994  
State of California, Medical Licensure #G-066136 - 1989

**RESEARCH EXPERIENCES,  
PUBLICATIONS AND  
PRESENTATIONS:**

**Chapters:**

1. “Myocardial Protection in Children.” Stein DG, Laks H, Drinkwater DC. *Advanced in Cardiac Surgery* 3: 113 – 134, 1992.

**Articles:**

1. “Effects of Interleukin 2 in Cardiac Function in the Isolated Rat Heart.” Sobotka PA, McMannis J, Fisher RI, Stein DG, Thomas JX., Jr. *Journal Of Clinical Invest.* 86 (3): 845 – 850, 1990.
2. “New Technique of Vascularization of the Trachea and Bronchus for the Lung Transplantation.” Laks H, Louis HW, Hass GS, Drinkwater DC, Lewis W, Permut LC, Stein DG, Chang P. *Journal Heart and Lung Transplant* 10 (2): 280 – 287, 1991.
3. “Results of Total Cavopulmonary Connection in the Treatment of Patients With a Functional Single Ventricle.” Stein DG, Laks H, Drinkwater DC, Permut LC, Louis HW, Pearl JM, George BL, Williams RG. *Journal of Thoracic and Cardiovascular Surgery* 102 (2) 280 – 287, 1991.
4. “Complete Functional Recovery After 24 Hour Heart Preservation with University of Wisconsin Solution and Modified Reperfusion.” *Circulation* 84 (4 suppl.): III 316 – 323, 1991.
5. “Cavopulmonary Anastomosis Versus the conventional Modified Fontan Procedure.” Pearl JM, Laks H, Stein DG, Drinkwater DC, George, BL Williams RG. *Annals of Thoracic Surgery* 52 (2) : 189 – 196. 1991.

6. **“Clinical Trial of University of Wisconsin Solution for Cardiac Transplantation: Preliminary Results.”** *Journal of Thoracic and Cardiovascular Surgery* 102 (5): 798 – 799, 1991.
7. **“Preservation in Patients Undergoing Transplantation: A Clinical Trial Comparing University of Wisconsin Solution and Stanford Solution.”** Stein DG, Drinkwater DC, Laks H, Permut LC, Sangwan S, Chait HI, Child JS, Bhuta S. *Journal of Thoracic Surgery* 102 (5): 655 – 657, 1991
8. **“Amino Acid Enriched Perflurochemical Cardioplegia Reperfusion Improves Myocardial Recovery After Prolonged Hypothermic Global Ischemia,”** Martin S, Stein DG, Laks H, Drinkwater DC, Capouya ER, Barthel S, Chang P. *Surgical Forum* – 1991.
9. **“Leukocyte-Depleted Reperfusion of Transplanted Human Hearts Prevents Ultrastructural Evidence of Reperfusion Injury.”** Pearl JM, Drinkwater DC, Laks H, Stein DG, Capouya ER, Bhuta S. *Journal of Surgical Research* 52 (4): 298 – 308, 1992.
10. **“Perfluorochemical Reperfusion Limits Myocardial Reperfusion Injury After Prolonged Hypothermic Global Ischemia.”** Martin SM, Laks H, Drinkwater DC, Stein DG, Barthel SW, Capouya ER, Parl JM, Bhuta S, HO B, Chang P. *Biomaterial – Artificial Cells and Immobilization Biotechnology* 20 (2-4): 985 – 989, 1992.
11. **“Perfluorochemical Reperfusion Yields Improved Myocardial Recovery After Global Ischemia: Martin SM, Laks H, Drinkwater Dc, Stein DG, Sapouya ER, Parl JM, Barthel SW, Chang P, Kaczer E, Bhuta S. *Annals of Thoracic Surgery* 55 (4): 954 – 960, 1993.**
12. **“Rupture of the Right Atrium Secondary to Blunt Cardiac Trauma.”** Kupferschmid JP, Stein DG, Aldea GS, Lazar HI. *Journal of Cardiac Surgery* 10 (4 PT. 1): 285 – 287, 1995.
13. **“Heparin-Bonded Ciruits Improve Clinical Outcomes in Emergency Coronary Artery Bypass Grafting.”** Aldea GS, Lilly CCP, Gaudiani J, O’Gara CCP, Stein DG. *Journal of Cardiac Surgery* 12: 389 – 397, 1997.

**Abstracts:**

1. **“Effects of Interleukin 2 on the Isolated Perfused Working Rat Heart.”** Stein DS, Sobotka PA, Scanlon PJ, Gunnar RM, McMannis JD, Fisher RI, Thomas JX, Presented: 53<sup>rd</sup> Annual Scientific Assembly of the American College of Chest Physicians – 1987. *Chest (Suppl)* 92 (2) : 91S, 1987

2. **“A New Technique of Arterial Vascularization of the Trachea and Bronchus for Lung Transplantation.”** Louis HW, Laks H, Haas GS, Drinkwater DC, Permut LC, Stein DG, Sebastian JL, Kaczer EM, Chang P. Presented: 10<sup>th</sup> Annual Meeting and Scientific Sessions of the International Society for Heart Transplantation - 1990.
3. **“Results of Total Cavopulmonary Connection in the Treatment of Patients With a Functional Single Ventricle.”** Stein DG, Laks H, Permut LC, Louis HW, Drinkwater Dc, Pearl JM. Presented: 16<sup>th</sup> Annual Meeting of the Western Thoracic Surgical Association – 1990.
4. **“Complete Functional Recovery After 24 Hour Heart Preservation With University of Wisconsin solution and Modified Reperfusion.”** Stein DG, Permut LC, Drinkwater Dc, Bhuta S, Chang P, Laks H, Circulation (Suppl.111) 82 (4) 111 – 255, 1990.
5. **“Myocardial Reperfusion: Ultrastructural Evidence of Damage in Clinical Transplantation Despite Modified Reperfusion.”** Stein DG, Ghuta Sm, Drinkwater Dc, Permut Lc, Pearl JM, Laks H. Presented: 11<sup>th</sup> Annual Meeting and Scientific Sessions of the International Society for Heart Transplantation – 1991.
6. **“Cardiac Preservation in Patients Undergoing Transplantation: A Clinical Trial Comparing University of Wisconsin Solution and Stanford Solution.”** Stein DG, Drinkwater Dc, Laks H, Permut LC, Sangwan S, Chaitt HI, Child JS, Bhuta S. Presented: 71<sup>st</sup> Annual Meeting of the American Association for Thoracic Surgery – 1991.
7. **“Cardiac Preservation in Clinical Transplantation: A Trial Comparing UW and Stanford Solutions.”** Stein DG, Drinkwater Dc, Laks H, Permut LC, Sangwan S, Chait HI, Child JS, Bhuta S. Presented: American Heart Association – Laverna Titus Young Investigators Forum – 1991.
8. **“Total Cavopulmonary Anastomosis Versus the Conventional Modified Fontan Procedure.”** Pearl JM, Laks H, Stein Dg, Drinkwater DC, Meneshian A, Hartman IK, George Bl, Williams RD. Presented: 27<sup>th</sup> Annual Meeting of the Society of Thoracic Surgeons – 1991.
9. **“The Partial Fontan: Advantages of an Adjustable Interarterial Communication.”** Pearl JM, Laks H, Drinkwater Dc, Stein DG, George B, Williams RG. Presented: 27<sup>th</sup> Annual Meeting of the Society of Thoracic Surgeons – 1991.
10. **“Perfluorochemical Reperfusion Limits Myocardial Reperfusion Injury and Improves ATP Regeneration.”** Martin S, Laks H,

**Drinkwater Dc, Stein DG, Capouya E, Pearl J, Barthel S, Ho B, Chang P.  
Presented: 4<sup>th</sup> Internantional Symposium on Blood Substitutes – Montreal  
Canada- 1991.**

- 11. “Amino Acid Enriched Perfluorochemical Cardioplegia Reperfusion  
Improves Myocardial Recovery After Prolonged Hypothermic Global  
Ischemia.” Martin S, Stein DG, Laks H, Drinkwater Dc, Capouya E, Barthel  
S, Chang P. Presented: American College of Surgeons – Clinical Congress –  
1991.**