

FILIBERTO RODRIGUEZ, M.D.

curriculum vitae

Education:

1987-1991: McAllen Memorial High School, McAllen, TX
Honors Degree, Magna Cum Laude

1991-1995: Princeton University, Princeton, NJ; **B.A.** (Economics)
Certificates of Study: Politics and Latin American Studies
Mexico's Financial Crisis of 1995 and the Prospects for Continued Economic Development

1995-1999: University of Virginia School of Medicine; **M.D.**

Post-Graduate Surgical Training:

1999-2000: Stanford University, Stanford, CA, Internship, General surgery, Department of Surgery

2000-2001: Stanford University, Stanford, CA, Junior resident, General surgery, Department of Surgery

2001-2004: Stanford University, Stanford, CA, Postdoctoral research, Department of Cardiothoracic Surgery
Carl and Leah McConnel Cardiovascular Surgical Research Fellow
Studied left ventricular and mitral valve biomechanics and post-infarction remodeling

2004-2006: Stanford University, Stanford, CA, Senior Resident, General surgery, Department of Surgery

2006-2007: Stanford University, Stanford, CA, Chief Resident, General surgery, Department of Surgery

(2007-2010): Stanford University, Stanford, CA, Resident, Department of Cardiothoracic Surgery

Endovascular Certifications:

Gore TAG, Thoracic Aortic Aneurysm Endoprosthesis
Gore Excluder, Abdominal Aortic Aneurysm Endoprosthesis
Cook Zenith, Abdominal Aortic Aneurysm Endoprosthesis

Medical Specialty Board Certification

American Board of Surgery (2007 – current)

Medical Licensure:

State of California: A72864 (2000 – current)

State of Texas: L1989 (2001 – current)

Professional Memberships:

American College of Cardiology, Candidate Group Member (2007-current)

American College of Surgeons, Candidate Group Member (2004-current)

American Heart Association, CV Surgery Scientific Council (2001-current)

American Medical Association (1999-current)

Awards and Grants:

The Society for Heart Valve Disease, C. Walton Lillehei Young Investigator's Award, Finalist (2005)

University of Virginia School of Medicine, John Horsley Memorial Research Prize (2004)

American Association for Thoracic Surgery, C. Walton Lillehei Resident Research Award, Co-Winner (2004)

American Heart Association, CV Surgery Council, Vivien Thomas Young Investigator Award, Winner (2003)

American College of Surgeons, Resident Research Scholarship Award (2002–2004)

National Heart Lung and Blood Institute, NIH Research Supplement: Grant HL-67025-01S1 (2001–2004)

University of Virginia School of Medicine, Medical Alumni Academic Advancement Full Scholarship (1995–1999)

National Medical Fellowships, Inc., Fellowship in Academic Medicine Research Scholarship (1997)

Association of Pathology Chairs Honor Society (1997)

The DeBakey Summer Surgery Program, Baylor College of Medicine, Houston, Texas (1994)

Additional Training:

Ethicon Endo-Surgery, Inc., Extended Course for Minimally Invasive Thoracic Surgery, Los Angeles, CA (2007)
Arizona Heart Institute, Thoracic Endografting Meeting, Resident Scholarship, Phoenix, AZ (2007)
Society of Thoracic Surgeons, Thoracic Endografting Symposium, Resident Scholarship, Chicago, IL (2006)

Consulting Experience:

Aberdare Ventures, Venture capital strategic consultant, San Francisco, CA (2007 – present)
Ample Medical, Inc. – Percutaneous Septal Sinus Shortening mitral valve device, Foster City, CA (2004 – present)
McAllen Heart Surgeons, Clinical and Business Plan development, McAllen, TX (1999 – present)
Edwards Lifesciences, Irvine, CA (2001 – 2004)

Service:

Ad Hoc Reviewer, Journal of Heart Valve Disease (2006–2007)
Ad Hoc Reviewer, The Journal of Thoracic and Cardiovascular Surgery (2003–2007)
Princeton Club of Northern California, Alumni Schools Committee Member, Applicant Interviews (2003 – 2007)
HELPS International Team Surgeon, Guatemala Medical Mission Trip (July 2003)
Vice-President, Class of 1999, University of Virginia School of Medicine (1998–1999)
Mulholland Society, University of Virginia School of Medicine (1998–1999)
President, Program in Latin American Studies, Princeton University (1994–1995)

Teaching:

Instructor, Cardiothoracic Surgery and Cardiac Physiology, Undergraduate Course, Stanford University (2003-2004)
Mentor, Health Careers Opportunity Program, Stanford University School of Medicine (July 2000)
Assistant Instructor, Department of Cell Biology, Gross Anatomy, University of Virginia School of Medicine (1999)
Assistant Instructor, Department of Surgery, Surgical Techniques Lab, UVA School of Medicine (1998)
Mentor, The Medical Academic Advancement Program, Office of Student Academic Support and Strategic Programs, University of Virginia School of Medicine (June 1998)
Mentor, National Medical Fellowships/Bristol-Myers Squibb Company, Academic Medicine Research Symposium, Wallingford, CT (March 1998) and Princeton, NJ (March 1999)
Instructor, Tae Kwon Do, First-Degree Black Belt (1988-1991)

Hobbies:

Running (Big Sur Marathon 2007), Alpine skiing, Golf, Biking

PEER REVIEW PUBLICATIONS

1. **RODRIGUEZ F** Screening for carotid artery stenosis and performance of carotid endarterectomy in select asymptomatic Patients is cost-effective. *McGILL JOURNAL OF MEDICINE*. 5: 35-41, 1999.
2. King RC, Binns OA, **RODRIGUEZ F**, Kanithanon RC, Daniel TM, Spotnitz WD, Tribble CG, Kron IL. Reperfusion injury significantly impacts clinical outcome after pulmonary transplantation. *ANN THORAC SURG*. 69(6): 1681-5, 2000 June.
3. **RODRIGUEZ F** Carmeci C, Dalman RL, Lee WA. Spontaneous late carotid-cutaneous fistula following radical neck dissection. *VASCULAR SURGERY*. 35(5): 409-13, 2001 Sept-Oct.
4. Timek TA, Lai DT, Tibayan F, Liang D, **RODRIGUEZ F**, Daughters GT, Dagum P, Ingels NB, Miller DC. Annular versus subvalvular approaches to acute ischemic mitral regurgitation. *CIRCULATION* 2002 Sept 24; 106 [suppl I]: I27-32.
5. Umaña JP, Lai DT, Mitchell RS, Moore KA, **RODRIGUEZ F**, Robbins RC, Oyer PE, Dake MD, Shumway NE, Reitz BA, Miller DC. Is medical therapy still the optimal treatment strategy for patients with acute type B aortic dissections? *J THORAC CARDIOVASC SURG*. 2002 Nov; 124(5): 896-910.
6. **RODRIGUEZ F**, Ragosta M, Seiver A. Myocardial infarction caused by blunt chest injury: A case report and review of the literature. *SURGICAL ROUNDS*. 26(6): 279-283, 2003 June.

7. Tibayan FA, **RODRIGUEZ F**, Zasio MK, Baily L, Liang D, Daughters GT, Langer F, Ingels NB, Miller DC. Geometric distortions of the mitral valvular-ventricular complex in chronic ischemic mitral regurgitation. *CIRCULATION* 2003 Sept 9; 108 [suppl II]:II116-21.
8. Timek T, Nielsen SL, Lai DT, Tibayan FA, Liang D, **RODRIGUEZ F**, Daughters GT, Ingels NB, Miller DC. Edge-to-edge mitral valve repair without annuloplasty ring for acute ischemic mitral regurgitation. *CIRCULATION* 2003 Sept 9; 108 [suppl II]: II122-27.
9. Tibayan FA, **RODRIGUEZ F**, Liang D, Daughters GT, Ingles NB, Miller DC. Paneth suture annuloplasty abolishes acute ischemic mitral regurgitation but preserves annular and leaflet dynamics. *CIRCULATION* 2003 Sept 9; 108 [suppl II]: II128-33.
10. Tibayan FA, **RODRIGUEZ F**, Langer F, Zasio MK, Bailey L, Liang D, Daughters GT, Ingels NB, Miller DC. Annular remodeling in chronic ischemic mitral regurgitation: ring selection implications. *ANN THORAC SURG.* 2003 Nov; 76(5): 1549-54; discussion 1554-5.
11. Timek T, Green GR, Tibayan FA, Lai DT, **RODRIGUEZ F**, Liang D, Daughters GT, Ingels NB, Miller DC. Aorto-mitral angle during hemodynamic interventions. *ANN THORAC SURG.* 2003 Dec; 76(6): 1944-50.
12. **RODRIGUEZ F**, Tibayan FA, Glasson JR, Liang D, Daughters GT, Ingels NB, Miller DC. Fixed-apex mitral annular descent correlates better with left ventricular systolic function than does free-apex LV long axis shortening. *J AM SOC ECHOCARDIOGR.* 2004 Feb; 17(2): 101-107.
13. Tibayan FA, **RODRIGUEZ F**, Langer F, Zasio MK, Baily L, Liang D, Daughters GT, Ingels NB, Miller DC. Does septal-lateral annular cinching work for chronic ischemic mitral regurgitation? *J THORAC CARDIOVASC SURG.* 2004 March; 127(3): 654-63.
14. Tibayan FA, **RODRIGUEZ F**, Langer F, Liang D, Daughters GT, Ingels NB, Miller DC. Mitral suture annuloplasty corrects both annular and subvalvular geometry in acute ischemic mitral regurgitation. *J HEART VALVE DIS.* 2004 May; 13: 414-420.
15. Timek TA, Lai DT, Liang D, Tibayan FA, Langer F, **RODRIGUEZ F**, Daughters GT, Ingels NB, Miller DC. Effects of paracommissural septal-lateral annular cinching on acute ischemic mitral regurgitation. *CIRCULATION* 2004 Sept 14; 110 [suppl II]: II79-84.
16. **RODRIGUEZ F**, Langer F, Harrington KB, Tibayan FA, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Cutting second-order chords does not prevent acute ischemic mitral regurgitation. *CIRCULATION* 2004 Sept 14; 110 [suppl II]: II91-7.
17. Tibayan FA, **RODRIGUEZ F**, Langer F, Liang D, Daughters GT, Ingels NB, Miller DC. Undersized mitral annuloplasty alters left ventricular shape during acute ischemic mitral regurgitation. *CIRCULATION* 2004 Sept 14; 110 [suppl II]: II98-102.
18. Tibayan FA, **RODRIGUEZ F**, Langer F, Zasio M, Bailey L, Liang D, Daughters GT, Ingels NB, Miller DC. Alterations in left ventricular torsion and diastolic recoil after myocardial infarction with and without chronic ischemic mitral regurgitation. *CIRCULATION* 2004 Sept 14; 110 [suppl II]: II109-14.
19. **RODRIGUEZ F**, Langer F, Harrington KB, Tibayan FA, Zasio MK, Liang D, Daughters GT, Covell JW, Criscione JC, Ingels NB, Miller DC. Importance of mitral valve second-order chordae for left ventricular geometry, wall thickening mechanics, and global systolic function. *CIRCULATION* 2004 Sept 14; 110 [suppl II]: II115-22.
20. Tibayan FA, **RODRIGUEZ F**, Langer F, Zasio MK, Bailey L, Liang D, Daughters GT, Karlsson MO, Ingels NB, Miller DC. Increases in mitral leaflet radii of curvature with chronic ischemic mitral regurgitation. *J HEART VALVE DIS.* 2004 Sep; 13(5): 772-8.
21. Harrington KB, **RODRIGUEZ F**, Cheng A, Langer F, Ashikaga H, Daughters GT, Criscione JC, Ingels NB, Miller DC. Direct measurement of transmural laminar architecture in the anterolateral wall of the ovine left

- ventricle: new implications for wall thickening mechanics. *AM J PHYSIOL HEART CIRC PHYSIOL*. 2005 Mar; 288(3): H1324-30. Epub 2004 Nov 18.
22. Cheng A, Langer F, **RODRIGUEZ F** Criscione JC, Daughters GT, Miller DC, Ingels NB. Transmural cardiac strains in the lateral wall of the ovine left ventricle. *AM J PHYSIOL HEART CIRC PHYSIOL*. 2005 Apr; 288(4): H1546-56. Epub 2004 Dec 9.
 23. **RODRIGUEZ F** Langer F, Harrington KB, Cheng A, Daughters GT, Criscione JC, Ingels NB, Miller DC. Alterations in transmural strains adjacent to ischemic myocardium during acute mid-circumflex occlusion. *J THORAC CARDIOVASC SURG*. 2005 April; 129(4): 791-803.
 24. Langer F, Tibayan FA, **RODRIGUEZ F**, Timek TA, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Altered mitral valve kinematics with atrioventricular and ventricular pacing. *J HEART VALVE DIS*. 2005 May; 14: 286-294.
 25. Tibayan FA, **RODRIGUEZ F**, Langer F, Zasio MK, Bailey L, Liang D, Daughters GT, Ingels NB, Miller DC. Annular or subvalvular approach to chronic ischemic mitral regurgitation? *J THORAC CARDIOVASC SURG*. 2005 June; 129(6): 1266-75.
 26. Cheng A, Langer F, **RODRIGUEZ F**, Criscione JC, Daughters GT, Miller DC, Ingels NB. Transmural sheet strains in the lateral wall of the ovine left ventricle. *AM J PHYSIOL HEART CIRC PHYSIOL* 2005 Sep;289(3):H1234-41. Epub 2005 May 6.
 27. Langer F, **RODRIGUEZ F**, Ortiz S, Cheng A, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Subvalvular repair: The key to repairing ischemic mitral regurgitation? *CIRCULATION* 2005 Sept ; 112 [suppl I]: I383-9.
 28. **RODRIGUEZ F** Langer F, Harrington KB, Tibayan FA, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Effect of cutting second-order chordae on in-vivo anterior mitral leaflet compound curvature. *J HEART VALVE DIS*. 2005 Sep;14(5):592-601; discussion 601-2.
 29. Langer F, **RODRIGUEZ F**, Cheng A, Ortiz S, Nguyen TC, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Posterior mitral leaflet extension: an adjunctive repair option for ischemic mitral regurgitation? *J THORAC CARDIOVASC SURG*. 2006 Apr;131(4):868-77. Epub 2006 Mar 2.
 30. **RODRIGUEZ F**, Green GR, Dagum P, Nistal JF, Harrington KB, Daughters GT, Ingels NB, Miller DC. Left ventricular volume shifts and aortic root expansion during isovolumic contraction. *J HEART VALVE DIS*. 2006 July; 15: 465-473.
 31. Tibayan FA, Wilson A, Lai DT, Timek T, Dagum P, Liang D, **RODRIGUEZ F**, Daughters GT, Ingels NB, Miller DC. Tenting volume: Three-dimensional assessment of geometric perturbations in functional mitral regurgitation and implications for surgical repair. *J HEART VALVE DIS*. 2007 Jan; 16:1-7
 32. Nguyen TC, Cheng A, Langer F, **RODRIGUEZ F** Oakes RA, Itoh A, Ennis DB, Liang D, Daughters GT, Ingels NB, Miller DC. Altered myocardial shear strains are associated with chronic ischemic mitral regurgitation. *ANN THORAC SURG*. 2007;83:47-54
 33. Nehra D, Zeineh M, **RODRIGUEZ F**, Dutta S. Double reverse intestinal malrotation: a novel rotational anomaly and its surgical correction. *J PEDIATR SURG*. 2007 Mar;42(3):578-81.
 34. Langer F, **RODRIGUEZ F**, Cheng A, Ortiz S, Harrington KB, Zasio MK, Daughters GT, Criscione JC, Ingels NB, Miller DC. Alterations in lateral wall transmural strains during acute circumflex and anterior descending coronary artery occlusions. *ANN THORAC SURG*. 2007 Jul;84(1):51-60.
 35. **RODRIGUEZ F**, Nguyen TC, Morton J. Gastrointestinal complications of coronary artery bypass grafting. *J AM COLL SURG*. 2007 Dec;205(6):741-7. Epub 2007 Oct

PAPERS IN PROCESS

1. Nguyen TC, Langer F, Cheng A, **RODRIGUEZ F**, Daughters GT, Ingels NB, Miller DC. Abnormal myocardial transmural shear strains persist during evolution from acute ischemia to infarction.
2. Edgerley LP, **RODRIGUEZ F**, Wren S, Kosek J. Colon mass as a complication of spilled gallstones: Case report and review of the literature.
3. Kindberg K, Carlhäll CJ, Karlsson M, Nguyen TC, Cheng A, Langer F, **RODRIGUEZ F**, Daughters GT, Ingels NB, Miller DC. Diastolic left ventricular transmural strains: Evolution from one to eight weeks postoperatively. Submitted. AM J PHYSIOL HEART CIRC PHYSIOL

LETTERS TO THE EDITOR

1. Criscione JC, **RODRIGUEZ F**, Miller DC. The myocardial band: simplicity can be a weakness. EUR J CARDIOTHORAC SURG. 2005 Aug;28(2):363-4.

MANUSCRIPT REVIEWS

1. Persistent abnormal left ventricular systolic torsion in dilated cardiomyopathy after partial left ventriculectomy
Journal of Thoracic and Cardiovascular Surgery, October 2002
2. Structure function interface with sequential shortening of basal and apical components of the myocardial band
Journal of Thoracic and Cardiovascular Surgery, May 2004
3. Surgical treatment of ischemic mitral regurgitation might not influence ventricular remodeling
Journal of Thoracic and Cardiovascular Surgery, September 2005
4. Selective arterialization of a cardiac vein in a model of cardiac micro-and macroangiopathy in sheep
Journal of Thoracic and Cardiovascular Surgery, February 2006
5. Saddle-shaped annulus in mitral valve: Its role and significance
Journal of Heart Valve Disease, April 2006
6. The effect of hemodynamics on dynamic mitral leaflet curvature
Journal of Thoracic and Cardiovascular Surgery, April 2006
7. Initial U.S. experience with the Paracor cardiac support device for heart failure
Journal of Thoracic and Cardiovascular Surgery, May 2006
8. Mitral annuloplasty as a ventricular repair method for the failing left ventricle - A pilot study
Journal of Heart Valve Disease, June 2006

INVITED GUEST SPEAKER AND TEACHING LECTURES

1. **RODRIGUEZ F**. Solenski NJ. Bennett JP. Transient Global Hypoxic-Ischemic Cerebral Injury in Adult Rats. National Medical Fellowships/Bristol-Myers Squibb Company Academic Medicine Research Symposium, March 1999, Princeton, NJ.
2. **RODRIGUEZ F**. Spontaneous late carotid-cutaneous fistula following radical neck dissection: Surgical treatment options. Kaiser Santa Clara, Department of Surgery, February 2001, Santa Clara, CA.
3. **RODRIGUEZ F**. Heparin induced thrombocytopenia. Stanford University School of Medicine, Department of Surgery, May 2002, Stanford, CA.

4. **RODRIGUEZ F.** Myocardial infarction caused by blunt chest injury. Stanford University School of Medicine, Department of Surgery, June 2003, Stanford, CA.
5. **RODRIGUEZ F,** Harrington KB, Langer F, Tibayan FA, Zasio MK, Liang D, Daughters GT, Criscione JC, Covell JW, Ingels NB, Miller DC. Importance of the anterior mitral valve leaflet second-order chordae tendineae for left ventricular structure and function. National Heart Lung and Blood Institute Cardiovascular Minority Research Supplement Awardee Session in conjunction with the 76th annual Scientific Sessions of the American Heart Association, November 2003, Orlando, FL.
6. **RODRIGUEZ F.** Left heart biomechanics. Texas A&M University, Department of Biomedical Engineering, April 2004, College Station, TX.
7. **RODRIGUEZ F.** Cardiac physiology and oxygen delivery. Stanford University School of Medicine, Department of Surgery, Division of Trauma Surgery, July 2004, Stanford, CA.
8. **RODRIGUEZ F.** Cardiovascular support: Inotropes and intra-aortic balloon counterpulsation therapies. Stanford University School of Medicine, Department of Surgery, Division of Trauma Surgery, August 2004, Stanford, CA.
9. **RODRIGUEZ F,** Langer F, Harrington KB, Tibayan FA, Cheng A, Criscione JC, Daughters GT, Ingels NB, Miller DC. Effects of cutting second-order chordae on anterior mitral leaflet compound curvature *in-vivo*. National Heart Lung and Blood Institute Cardiovascular Minority Research Supplement Awardee Session in conjunction with the 77th annual Scientific Sessions of the American Heart Association, November 2004, New Orleans, LA.
10. **RODRIGUEZ F** Langer F, Harrington KB, Cheng A, Daughters GT, Criscione JC, Ingels NB, Miller DC. Alterations of transmural strains adjacent to ischemic myocardium during acute coronary occlusion: Left heart biomechanics and triggers for ischemic cardiomyopathy. Stanford University School of Medicine, Cardiovascular Institute, March 2005, Stanford, CA.
11. **RODRIGUEZ F** Langer F, Harrington KB, Cheng A, Daughters GT, Criscione JC, Ingels NB, Miller DC. Alterations of transmural strains adjacent to ischemic myocardium during acute coronary occlusion: Left heart biomechanics and triggers for ischemic cardiomyopathy. Stanford University Medical Center, St. Jude Cardiovascular Research Symposium in conjunction with the American Association for Thoracic Surgery 85th Annual Meeting, April 2005, Stanford, CA.
12. **RODRIGUEZ F** Langer F, Harrington KB, Cheng A, Daughters GT, Criscione JC, Ingels NB, Miller DC. Alterations of transmural strains adjacent to ischemic myocardium during acute coronary occlusion: Left heart biomechanics and triggers for ischemic cardiomyopathy. McAllen Medical Center, 1st Annual South Texas Heart Failure Symposium, July 2005, McAllen, TX.
13. **RODRIGUEZ F,** Langer F, Tibayan FA, Harrington KB, Ortiz S, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Subvalvular Repair: The Key to Chronic Ischemic Mitral Regurgitation. McAllen Medical Center, 2nd Annual Heart Failure Symposium, September 2006, McAllen, TX.
14. **RODRIGUEZ F** Percutaneous Mitral Valve Interventions. McAllen Medical Center, 2nd Annual Heart Failure Symposium, September 2006, McAllen, TX.

REFEREED ABSTRACTS AND NATIONAL CONFERENCE PRESENTATIONS

1. King RC, Binns OA, **RODRIGUEZ F,** Kanithanon RC, Daniel TM, Spotnitz WD, Tribble CG, Kron IL. Reperfusion injury significantly impacts clinical outcome after pulmonary transplantation. Presented in part at the 46th annual meeting of the Southern Thoracic Surgical Association, November 1999, San Juan, Puerto Rico.

2. Lee WA, **RODRIGUEZ F**, Carmeci C, Dalman RL. Spontaneous late carotid-cutaneous fistula following radical neck dissection. Presented at the 2001 Winter Meeting of the Peripheral Vascular Surgery Society, January 2001, Snowmass, CO.
3. Vricella LA, Dagenais F, **RODRIGUEZ F**, Robbins RC, Whyte RI, Reitz BA. Evolving trends in lung and heart-lung transplantation for end-stage cystic fibrosis: the Stanford experience. Presented at the 48th annual meeting of the Southern Thoracic Surgical Association, November 2001, San Antonio, TX.
4. Umaña JP, Lai DT, Mitchell RS, Moore KA, **RODRIGUEZ F**, Robbins RC, Oyer PE, Dake MD, Shumway NE, Reitz BA, Miller DC. Is medical therapy still the optimal treatment strategy for patients with acute type B aortic dissections? Presented at the 27th annual meeting of the Western Thoracic Surgical Association, June 2001, Rancho Bernardo, CA.
5. Timek TA, Lai DT, Tibayan FA, Liang D, **RODRIGUEZ F**, Daughters GT, Dagum P, Ingels NB, Miller DC. Annular versus subvalvular approaches to acute ischemic mitral regurgitation. Presented at the 74th annual Scientific Sessions of the American Heart Association, November 2001, Anaheim, CA.
6. Tibayan FA, **RODRIGUEZ F**, Glasson J, Daughters G, Bolger A, Karlsson M, Miller DC, Ingels NB. Contribution of mitral annular regional dynamics to LV diastolic filling. Presented at the Federation of American Societies for Experimental Biology, April 2002, New Orleans, LA.
7. Lai DT, Tibayan, FA, Timek TA, **RODRIGUEZ F**, Dagum P, Daughters GT, Liang D, Ingels NB, Miller DC. Effects of partial or complete ring annuloplasty on mitral leaflet strain. Presented at the 28th annual meeting of the Western Thoracic Surgical Association, June 2002, Big Sky, Montana.
8. Tibayan FA, Wilson A, Lai DT, Timek T, Dagum P, Liang D, **RODRIGUEZ F**, Daughters GT, Ingels NB, Miller DC. 3-D tenting volume in functional mitral regurgitation (FMR): validation of echocardiographic assessments. Presented at the 75th annual Scientific Sessions of the American Heart Association, November 2002, Chicago, IL. CIRCULATION 106 [suppl II]: II-506, 2002.
9. Tibayan FA, **RODRIGUEZ F**, Liang D, Daughters GT, Ingels NB, Miller DC. Paneth suture annuloplasty preserves annular leaflet mobility yet abolishes acute ischemic mitral regurgitation. Presented at the 75th annual Scientific Sessions of the American Heart Association, November 2002, Chicago, IL. CIRCULATION 106 [suppl II]: II-461, 2002.
10. Timek T, Nielsen SL, Lai DT, Tibayan FA, Liang D, **RODRIGUEZ F**, Daughters GT, Ingels NB, Miller DC. Edge-to-edge mitral valve repair without annuloplasty ring in acute ischemic mitral regurgitation. Presented at the 75th annual Scientific Sessions of the American Heart Association, November 2002, Chicago, IL. CIRCULATION 106 [suppl II]: II-461, 2002.
11. Tibayan FA, Karlsson M, Glasson JR, **RODRIGUEZ F**, Daughters GT, Miller DC, Ingels NB. Mitral annular regional contribution to filling after ring annuloplasty. Presented at the 75th annual Scientific Sessions of the American Heart Association, November 2002, Chicago, IL. CIRCULATION 106 [suppl II]: II-687, 2002.
12. **RODRIGUEZ F**, Tibayan FA, Glasson JR, Liang D, Daughters, GT, Ingels NB, Miller DC. Systolic mitral annular descent is strongly related to left ventricular systolic function: validation of echocardiographic LV long axis measurements. Presented at the 75th annual Scientific Sessions of the American Heart Association, November 2002, Chicago, IL. CIRCULATION 106 [suppl II]: II-558, 2002.
13. Tibayan FA, **RODRIGUEZ F**, Zasio MK, Bailey L, Liang D, Daughters GT, Ingels NB, Miller DC. Geometric distortions of the mitral valvular-ventricular complex in chronic ischemic mitral regurgitation. Presented at the 75th annual Scientific Sessions of the American Heart Association, Vivien Thomas Young Investigator Award Finalist, November 2002, Chicago, IL. CIRCULATION 106 [suppl II]: II-326, 2002.
14. Tibayan FA, **RODRIGUEZ F**, Langer F, Zasio MK, Bailey L, Liang D, Daughters GT, Ingels NB, Miller DC. Annular geometric remodeling in chronic ischemic mitral regurgitation. Presented at the 39th annual meeting of the Society of Thoracic Surgeons, Thoracic Surgery Directors Association Resident Research Award Winner, January 2003, San Diego, CA.

15. Timek T, Green GR, Tibayan FA, Lai DT, **RODRIGUEZ F**, Liang D, Daughters GT, Ingels NB, Miller DC. Aorto-mitral angle during hemodynamic interventions. Presented at the 39th annual meeting of the Society of Thoracic Surgeons, January 2003, San Diego, CA.
16. **RODRIGUEZ F**, Green GR, Dagum P, Tibayan FA, Nistal JF, Harrington KB, Langer F, Daughters GT, Ingels NB, Miller DC. Left ventricular volume shifts and deformational dynamics of the aortic root during isovolumic contraction. Presented at the American College of Cardiology 52nd Annual Scientific Session, March 2003, Chicago, IL. *J AM COLL CARDIOL*. 2003 Mar 19;41(6 Suppl A): 513A.
17. Tibayan FA, **RODRIGUEZ F**, Langer F, Zasio MK, Baily L, Liang D, Daughters GT, Ingels NB, Miller DC. Does septal-lateral annular cinching work for chronic ischemic mitral regurgitation? Presented at the 29th Annual Meeting of the Western Thoracic Surgical Association, Sampson Memorial Prize Finalist, June 2003, Carlsbad, CA.
18. Langer F, Tibayan FA, **RODRIGUEZ F**, Timek TA, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Mitral valve dynamics with different pacing modes. Presented at the 2nd Biennial Meeting of the Society for Heart Valve Disease, June 2003, Paris, France.
19. Tibayan FA, **RODRIGUEZ F**, Langer F, Zasio MK, Baily L, Liang D, Daughters GT, Karlsson MO, Ingels NB, Miller DC. Chronic ischemic mitral regurgitation alters mitral leaflet curvature. Presented at the 2nd Biennial Meeting of the Society for Heart Valve Disease, June 2003, Paris, France.
20. Langer F, Tibayan FA, **RODRIGUEZ F**, Timek TA, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Ventricular pacing, but not atrioventricular sequential pacing, alters left ventricular 3-D mitral subvalvular geometry. Presented at the 2nd Biennial Meeting of the Society for Heart Valve Disease, June 2003, Paris, France.
21. Tibayan FA, **RODRIGUEZ F**, Langer F, Liang D, Daughters GT, Ingels NB, Miller DC. Annular reduction restores subvalvular geometry in ischemic mitral regurgitation. Presented at the 2nd Biennial Meeting of the Society for Heart Valve Disease, June 2003, Paris, France.
22. Harrington KB, **RODRIGUEZ F**, Ashikaga H, Criscione JC, Daughters GT, Covell JW, Ingels NB, Miller DC. Direct measurement of left ventricular transmural myolaminar architecture: new implications for wall thickening mechanics. Presented at the American Heart Association Young Investigators Forum, September 2003, San Francisco, CA.
23. Timek TA, Lai DT, Tibayan FA, Liang D, **RODRIGUEZ F**, Langer F, Daughters GT, Ingels NB, Miller DC. Effect of para-commissural annular cinching on acute ischemic mitral regurgitation. Presented at the 76th annual Scientific Sessions of the American Heart Association, November 2003, Orlando, FL. *CIRCULATION* 108 [suppl IV]: IV-275-IV-276, 2003.
24. Tibayan FA, **RODRIGUEZ F**, Langer F, Zasio M, Bailey L, Liang D, Daughters GT, Ingels NB, Miller DC. Alterations in torsion and recoil after myocardial infarction with and without chronic ischemic mitral regurgitation: Implications for surgical therapy. Presented at the 76th annual Scientific Sessions of the American Heart Association, November 2003, Orlando, FL. *CIRCULATION* 108 [suppl IV]: IV-437, 2003.
25. Tibayan FA, **RODRIGUEZ F**, Langer F, Liang D, Daughters GT, Ingels NB, Miller DC. Undersized mitral annuloplasty alters left ventricular shape in acute ischemic mitral regurgitation. Presented at the 76th annual Scientific Sessions of the American Heart Association, November 2003, Orlando, FL. *CIRCULATION* 108 [suppl IV]: IV-476, 2003.
26. **RODRIGUEZ F**, Langer F, Harrington KB, Tibayan FA, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Does cutting the second-order chordae tendineae prevent acute ischemic mitral regurgitation? Presented at the 76th annual Scientific Sessions of the American Heart Association, November 2003, Orlando, FL. *CIRCULATION* 108 [suppl IV]: IV-327-IV-328, 2003.

27. **RODRIGUEZ F**, Harrington KB, Langer F, Tibayan FA, Zasio MK, Liang D, Daughters GT, Criscione JC, Covell JW, Ingels NB, Miller DC. Importance of the anterior mitral valve leaflet second-order chordae tendineae for left ventricular structure and function. Presented at the 76th annual Scientific Sessions of the American Heart Association, CV Surgery Council, Vivien Thomas Young Investigator Award Winner, November 2003, Orlando, FL. *CIRCULATION* 108 [suppl IV]: IV-366-IV-367, 2003.
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