

- 2004-2006: General Surgery Residency, Department of Surgery, Stanford University, CA
- 2006-2007: Chief Resident, Department of Surgery, Stanford University, CA
- 2007-2008: Cardiothoracic Surgery Fellowship, Department of Cardiothoracic Surgery, Stanford University, CA
- 2008-2009: Plastic Surgery Fellowship, Division of Plastic and Reconstructive Surgery, UCLA, Los Angeles, CA
- 2010-2011: Cosmetic Surgery Fellowship, The Body Sculpting Center, Scottsdale, AZ

Professional Memberships:

- Fellow, American Academy of Cosmetic Surgery (2010-current)
- Premier Member, American College of Phlebology (2010-current)
- American College of Surgeons (2004-current)
- American Medical Association (1999-current)

Honors and Awards:

- The American College of Phlebology, Oral Poster Presentation, Award (2010)
- 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, Ethicon Scholarship for the Study of Surgical Wound Healing (2002-2004)
- National Heart Lung and Blood Institute, NIH Research Supplement: Grant HL-67025-01S1 (2001-2004)
- 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:

- AO ASIF Maxillofacial Course on Treatment of Maxillofacial Trauma & Reconstruction, San Francisco, CA (2009)
- 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)

Additional Certifications:

- Gore TAG, Thoracic Aortic Aneurysm Endoprosthesis

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

Teaching:

Total Body Contouring, National Trainer, Osyris 980nm laser liposuction and endovenous ablation, (2012 – present)
Director, Lipografting from Basic to Advanced Concepts, International Union of Lipoplasty (2012)
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)

Consulting Experience:

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

Service:

Princeton Club of Northern California, Alumni Schools Committee Member, Applicant Interviews (2003 – 2009)
Ad Hoc Reviewer, Journal of Heart Valve Disease (2006–2007)
Ad Hoc Reviewer, The Journal of Thoracic and Cardiovascular Surgery (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)

Languages Spoken: Spanish (fluent)

Hobbies: Running (Big Sur Marathon 2007), Alpine skiing, Golf, Biking, Yoga, Pilates

PEER REVIEW PUBLICATIONS

1. **RODRIGUEZ F**, Borsand MA. 100 Consecutive Lipo-Abdominoplasty Procedures: Modified Avelar Technique for Full Abdominoplasty Without Panniculus Undermining - Advances, Morbidity, and Complications. *THE AMERICAN JOURNAL OF COSMETIC SURGERY*. 2011 Dec;28(4):241-250.
2. Kindberg K, Carlhäll C, Karlsson M, Nguyen TC, Cheng A, Langer F, **RODRIGUEZ F**, Daughters GT, Miller DC, Ingels NB. Transmural strains in the ovine left ventricular lateral wall during diastolic filling. *J BIOMECH ENG*. 2009 Jun;131(6):061004.
3. **RODRIGUEZ F**, Nguyen TC, Galanko JA, Morton J. Gastrointestinal complications after coronary artery bypass grafting: a national study of morbidity and mortality predictors. *J AM COLL SURG*. 2007 Dec;205(6):741-7. Epub 2007 Oct 1.
4. 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.
5. 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.
6. 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
7. 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
8. **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.
9. 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.
10. **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.

11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. **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.
17. 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.
18. 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.
19. **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.
20. 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.
21. 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.

22. **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.
23. 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.
24. 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.
25. 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.
26. **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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. **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.

33. 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.
34. 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.
35. **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.
36. 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.
37. **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.

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. Mitral annuloplasty as a ventricular repair method for the failing left ventricle - A pilot study
Journal of Heart Valve Disease, June 2006
2. Initial U.S. experience with the Paracor cardiac support device for heart failure
Journal of Thoracic and Cardiovascular Surgery, May 2006
3. The effect of hemodynamics on dynamic mitral leaflet curvature
Journal of Thoracic and Cardiovascular Surgery, April 2006
4. Saddle-shaped annulus in mitral valve: Its role and significance
Journal of Heart Valve Disease, April 2006
5. Selective arterialization of a cardiac vein in a model of cardiac micro-and macroangiopathy in sheep
Journal of Thoracic and Cardiovascular Surgery, February 2006

6. Surgical treatment of ischemic mitral regurgitation might not influence ventricular remodeling
Journal of Thoracic and Cardiovascular Surgery, September 2005
7. Structure function interface with sequential shortening of basal and apical components of the myocardial band
Journal of Thoracic and Cardiovascular Surgery, May 2004
8. Persistent abnormal left ventricular systolic torsion in dilated cardiomyopathy after partial left ventriculectomy
Journal of Thoracic and Cardiovascular Surgery, October 2002

INVITED GUEST SPEAKER AND TEACHING LECTURES

1. **RODRIGUEZ F.** Percutaneous Mitral Valve Interventions. McAllen Medical Center, 2nd Annual Heart Failure Symposium, September 2006, McAllen, TX.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.

7. **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.
8. **RODRIGUEZ F.** Cardiac physiology and oxygen delivery. Stanford University School of Medicine, Department of Surgery, Division of Trauma Surgery, July 2004, Stanford, CA.
9. **RODRIGUEZ F.** Left heart biomechanics. Texas A&M University, Department of Biomedical Engineering, April 2004, College Station, TX.
10. **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.
11. **RODRIGUEZ F.** Myocardial infarction caused by blunt chest injury. Stanford University School of Medicine, Department of Surgery, June 2003, Stanford, CA.
12. **RODRIGUEZ F.** Heparin induced thrombocytopenia. Stanford University School of Medicine, Department of Surgery, May 2002, Stanford, CA.
13. **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.
14. **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.

REFEREED ABSTRACTS AND NATIONAL CONFERENCE PRESENTATIONS

1. Mohamed Y, **RODRIGUEZ F,** Borsand MA. Current Trends in Prophylactic Antibiotic Use in Cosmetic Surgery: AACS 27th and 28th National Meetings' Survey Results. Presented at the American Academy of Cosmetic Surgery 29th Annual Scientific Meeting, January 2013, Las Vegas, NV.
2. **RODRIGUEZ F,** Borsand MA. Lipo-abdominoplasty: The Avelar technique for full abdominoplasty without panniculus undermining. Presented at the International Symposium of Minimal Invasive Plastic Surgery & Dermatology, April 2011, Bangkok, Thailand; the World Academy of Cosmetic Surgery 2nd Annual Meeting, September 2011, Vienna, Austria; and the 10th Anti-Aging Medicine World Congress & Medispa, March 2012, Monte-Carlo, Monaco.

3. **RODRIGUEZ F**, Borsand MA. Should autologous fat transfer for augmentation phalloplasty be abandoned? Presented at the American Academy of Cosmetic Surgery 27th Annual Scientific Meeting, January 2011, Scottsdale, AZ and at the International Symposium of Minimal Invasive Plastic Surgery & Dermatology, April 2011, Bangkok, Thailand.
4. **RODRIGUEZ F**, Clark M, Clark TA. Optimal energy delivery dose for successful saphenous endovenous laser ablation using the 1470-nm diode laser. Presented at the American College of Phlebology 24th Annual Congress, November 2010, Orlando, FL and at the American Academy of Cosmetic Surgery 27th Annual Scientific Meeting, January 2011, Scottsdale, AZ.
5. Itoh A, Nguyen TC, Ennis DB, Bothe W, Carlhäll CJ, **RODRIGUEZ F**, Ingels NB, Miller DC. Papillary Muscle Torsion: A Potential Role In Ischemic Mitral Regurgitation? Presented at the 4th Biennial Meeting of the Society of Heart Valve Disease, C. Walton Lillehei Young Investigator's Award Finalist, June 2007, New York, NY.
6. Kindberg K, Carlhäll CJ, Nguyen TC, Cheng A, Langer F, **RODRIGUEZ F**, Daughters GT, Ingels NB, Karlsson M, Miller DC. Early postoperative blunting of rapid diastolic subepicardial fiber lengthening and left ventricular circumferential expansion. Presented at the 79th annual Scientific Sessions of the American Heart Association, November 2006, Chicago, IL.
7. Kindberg K, Cheng A, Langer F, **RODRIGUEZ F**, Criscione JC, Daughters GT, Miller DC, Karlsson M, Ingels NB. Spatial and temporal inhomogeneity of transmural LV myocardial strains during diastole. Presented at the Federation of American Societies for Experimental Biology, April 2006, San Francisco, CA.
8. 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. Presented at the American College of Cardiology 55th Annual Scientific Session, March 2006, Atlanta, GA. J AM COLL CARDIOL. 47, No. 4 (Suppl A): 181A, 2006.
9. Nguyen TC, Cheng A, Langer F, **RODRIGUEZ F**, Oakes RA, Itoh A, Daughters GT, Ingels NB, Miller DC. Altered end-systolic shear strains are associated with LV remodeling in ischemic mitral regurgitation (IMR). Presented at the 42nd annual meeting of the Society of Thoracic Surgeons, January 2006, Chicago, IL.
10. Nguyen TC, Cheng A, Langer F, **RODRIGUEZ F**, Criscione JC, Daughters GT, Ingels NB, Miller DC. Effects of preload reduction on end-diastolic fiber length and systolic fiber shortening. Presented at the 78th annual Scientific Sessions of the American Heart Association, November 2005, Dallas, TX. CIRCULATION 112 (Suppl II): II-557, 2005.
11. **RODRIGUEZ F**, Langer F, Harrington KB, Tibayan FA, Cheng A, Daughters GT, Ingels NB, Miller DC. Effects of cutting second-order chordae on anterior mitral leaflet compound curvature in-vivo. Presented at the 3rd Biennial Meeting of the Society of Heart Valve Disease, C. Walton Lillehei Young Investigator's Award Finalist, June 2005, Vancouver, Canada.

12. **RODRIGUEZ F**, Nguyen TC, Morton J. GI complications of coronary artery bypass grafting. Presented at Digestive Disease Week, May 2005, Chicago, IL.
13. Langer F, **RODRIGUEZ F**, Cheng A, Ortiz S, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Posterior mitral leaflet extension: A new adjunctive repair option for ischemic mitral regurgitation? Presented at the American Association for Thoracic Surgery 85th Annual Meeting, April 2005, San Francisco, CA.
14. Cheng A, Langer F, **RODRIGUEZ F**, Criscione JC, Daughters GT, Miller DC, Ingels NB. A transmural gradient of systolic wall thickening is not a fundamental property of the contracting LV myocardium. Presented at the 35th International Congress of Physiological Sciences, April 2005, San Diego, CA.
15. Langer F, **RODRIGUEZ F**, Cheng A, Ortiz S, Daughters GT, Criscione JC, Ingels NB, Miller DC. Alterations in transmural strain in the mid-lateral wall during acute circumflex and anterior descending coronary occlusion: Ischemic myocardium and non-ischemic borderzone. Presented at the 41st annual meeting of the Society of Thoracic Surgeons, January 2005, Tampa, FL.
16. Cheng A, Langer F, **RODRIGUEZ F**, Criscione JC, Daughters GT, Miller DC, Ingels NB. Transmural LV systolic wall thickening gradients and models of heart wall mechanics. Presented at the International Mechanical Engineering Congress, Bioengineering Division, November 2004, Anaheim, CA.
17. Langer F, **RODRIGUEZ F**, Ortiz S, Cheng A, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Subvalvular repair: The key to ischemic mitral regurgitation? Presented at the 77th annual Scientific Sessions of the American Heart Association, CV Surgery Council, Vivien Thomas Young Investigator Award Winner, November 2004, New Orleans, LA.
18. Tibayan FA, **RODRIGUEZ F**, Langer F, Liang D, Daughters GT, Ingels NB, Miller DC. Aorto-mitral angle and flexion are altered by acute ischemic mitral regurgitation and annuloplasty. Presented at the 77th annual Scientific Sessions of the American Heart Association, November 2004, New Orleans, LA.
19. Cheng A, Langer F, **RODRIGUEZ F**, Criscione JC, Daughters GT, Miller DC, Ingels NB. Heterogeneous calcium effects on myofiber-sheet mechanics and systolic wall thickening across the left ventricular myocardium. Presented at the 77th annual Scientific Sessions of the American Heart Association, November 2004, New Orleans, LA.
20. 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? Presented at the 30th Annual Meeting of the Western Thoracic Surgical Association, Sampson Memorial Prize Winner, June 2004, Maui, HI.
21. **RODRIGUEZ F**, Langer F, Harrington KB, Cheng A, Daughters GT, Criscione JC, Ingels NB, Miller DC. Alterations of transmural strains in the ischemic border zone during acute mid-circumflex occlusion. Presented at the American Association for Thoracic Surgery 84th

Annual Meeting, C. Walton Lillehei Resident Research Award Co-Winner, April 2004, Toronto, Canada.

22. Cheng A, Langer F, **RODRIGUEZ F**, Criscione JC, Daughters GT, Miller DC, Ingels NB. Contribution of laminar sheet strains to LV systolic wall thickening in the lateral equatorial midwall of the ovine myocardium. Presented at the Federation of American Societies for Experimental Biology, April 2004, Washington, D.C.
23. **RODRIGUEZ F**, Timek TA, Langer F, Liang D, Daughters GT, Ingels NB, Miller DC. Torsional deformation in ischemic and remote left ventricular regions during acute circumflex and anterior descending coronary occlusion. Presented at the American College of Cardiology 53rd Annual Scientific Session, March 2004, New Orleans, LA. *J AM COLL CARDIOL*. 2004 Mar 3;43(5 Suppl A): 427A.
24. **RODRIGUEZ F**, Harrington KB, Tibayan FA, Dagum P, Langer F, Daughters GT, Ingels NB, Miller DC. Effects of inotropic stimulation on left ventricular torsional deformation in tachycardia-induced cardiomyopathy. Presented at the American College of Cardiology 53rd Annual Scientific Session, March 2004, New Orleans, LA. *J AM COLL CARDIOL*. 2004 Mar 3;43(5 Suppl A): 218A.
25. Langer F, Tibayan FA, **RODRIGUEZ F**, Timek T, Zasio MK, Liang D, Daughters GT, Ingels NB, Miller DC. Mitral valve dynamics with different pacing sites. Presented at the American College of Cardiology 53rd Annual Scientific Session, March 2004, New Orleans, LA. *J AM COLL CARDIOL*. 2004 Mar 3;43(5 Suppl A): 112A.
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 affect global left ventricular systolic function? Presented at the 40th annual meeting of the Society of Thoracic Surgeons, January 2004, San Antonio, TX.
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.*
28. 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.*
29. 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.*

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