Stanford



D. Craig Miller, M.D.

Thelma and Henry Doelger Professor of Cardiovascular Surgery, Emeritus

Cardiothoracic Surgery - Adult Cardiac Surgery

NIH Biosketch available Online Curriculum Vitae available Online

CONTACT INFORMATION

- **Administrative Contact**

  Brenda Andrews - Administrative Associate

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Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Cardiothoracic Surgery - Adult Cardiac Surgery
- Member, Bio-X
- Member, Cardiovascular Institute

HONORS AND AWARDS

- J.E. Wallace Sterling Lifetime Achievement Award in Medicine, Stanford Medicine Alumni Association (2021)
- President, American Association for Thoracic Surgery (AATS) (2007-2008)
- President, Western Thoracic Surgical Association (1994-1995)
- Distinguished Scientist, American Heart Association (AHA) (2003)
- Scientific Achievement Award, American Association for Thoracic Surgery (AATS) (2019)
- Eugene Braunwald Mentorship Award, American Heart Association (AHA) (2009)
- Heller Family Scientific Research Award, The Marfan Foundation (2018)
- Antoine Marfan Award, National Marfan Foundation (2001)
- Wilfred Bigelow Award, Wilfred Bigelow Award, Canadian Cardiovascular Society (2000)
- Earl Bakken Scientific Achievement Award, Society of Thoracic Surgeons (2013)
- Distinguished Achievement Award, American Heart Association (AHA) CVSA Council (2008)
- William W. L. Glenn lecturer, American Heart Association (AHA) (2002)
- David J. Dugan Distinguished Service Award, Western Thoracic Surgical Association (2016)
- Chairman, American Heart Association, Cardiothoracic and Vascular Surgery Council (1995-1997)
- Distinguished Alumni Award, Stanford University Medical School (1997)
- Presidente, Sociedad de Cardiocirujanos (España) (1988)
- Outstanding Achievement in Medicine Award, Santa Clara County Medical Society (2004)
- John W. Kirklin Memorial Lectureship, Mayo Clinic (2016)

- Victor Chang Memorial Lectureship, Cardiac Society of Australia and New Zealand (2016)
- Henry Bahnson Lectureship, University of Pittsburgh (2016)
- Honored Invited Lecturer, Society for Cardiothoracic Surgery in Great Britain and Ireland (2015)
- Keith Reemtsma Lectureship, Columbia College of Physicians and Surgeons (2009)
- Alfred Blalock Lectureship, Johns Hopkins Medical School (2008)
- Thomas Ferguson Lecturer, Washington University School of Medicine (2008)
- James and Virginia Hubbard Lecture, Brigham and Women's Hospital (2005)
- Keynote Honored Lecturer, Japanese Society for Cardiovascular Surgery (2005)
- Mortimer Buckley Lecturer, Massachusetts General Hospital (2004)
- Horace G. Smithy Lecturer, Medical University of South Carolina (2004)
- Stikeman Prize and Visiting Professor, McGill University (2003)
- Keynote Scientific Lecture, Sociedad Espanola de Cirugia Cardiovascular (2002)
- Invited Honorary Lecture, European Association for Cardio-Thoracic Surgery (2001)
- Keynote Address, Scandinavian Association of Thoracic Surgery (1999)
- E. Stanley Crawford Lectureship, Baylor College of Medicine (2008)
- Honored Lecturer, Japanese Association of Cardiac and Thoracic Surgery (1998)
- Rollin Daniel Lecturer, Vanderbilt University Medical School (1998)
- R. T. Hall Lectureship, Cardiac Society of Australia and New Zealand (1990)

PROFESSIONAL EDUCATION

- none, Dartmouth College , Chemistry/Mathemetics (1968)
- B.A., Stanford University , Basic Medical Sciences (1969)
- M.D., Stanford University , Medicine (1972)

LINKS

- Stanford Adult Cardiac Services: http://med.stanford.edu/ctsurgery/clinical-care/adult-cardiac-surgery-services.html
- Make an Appointment: http://med.stanford.edu/ctsurgery/contact-us.html#division-of-adult-cardiac-surgery
- Get a Second Opinion: https://stanfordhealthcare.org/second-opinion/overview.html
- Follow us on Twitter: https://twitter.com/StanfordCTSurg

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Cardiac and heart valve disease with experimental laboratory large animal projects focused on the investigation of left ventricular and cardiac mechanics, bioenergetics, and LV and mitral valve physiology and pathophysiology. Current thrust is aimed at understanding the mitral valve and subvalvular mitral apparatus and transmural LV wall strains, thickening, and myolaminar fiber-sheet mechanics.

Clinical research interests include thoracic aortic diseases (aortic dissection, aneurysm) and cardiac valvular disease, including surgical treatment, endovascular thoracic aortic stent-graft repair, mitral valve repair, and valve-sparing aortic root replacement.

CLINICAL TRIALS

- PARTNER 3 Trial: Safety and Effectiveness of the SAPIEN 3 Transcatheter Heart Valve in Low Risk Patients With Aortic Stenosis, Recruiting

- PARTNER II Trial: Placement of AoRTic TraNscathetER Valves II - XT Intermediate and High Risk, Not Recruiting
- Safety and Efficacy Study of the Medtronic CoreValve® System in the Treatment of Severe, Symptomatic Aortic Stenosis in Intermediate Risk Subjects Who Need Aortic Valve Replacement (SURTAVI)., Not Recruiting

Publications

PUBLICATIONS

- **Ten-year outcomes of valve-replacing versus valve-sparing aortic root replacement in Marfan syndrome patients: An observational multicenter study.** *The Journal of thoracic and cardiovascular surgery*
  Coselli, J. S., Miller, D. C., Volguina, I., Murrieta-Álvarez, I., Green, S. Y., Sundt, T. M., Girardi, L. N., Desai, N. D., Connolly, H. M., Borger, M. A., Moon, M. R., LeMaire, S. A.
  2026
- **In Memoriam: Randall B. Griepp (1940-2022): Master Surgeon, Innovator, Scientist, Teacher, and Sailor.** *The Annals of thoracic surgery*
  Lansman, S. L., Miller, D. C.
  2023
- **Association of Thoracic Aortic Aneurysm Size With Long-term Patient Outcomes: The KP-TAA Study.** *JAMA cardiology*
  Solomon, M. D., Leong, T., Sung, S. H., Lee, C., Allen, J. G., Huh, J., LaPunzina, P., Lee, H., Mason, D., Melikian, V., Pellegrini, D., Scoville, D., Sheikh, et al
  2022
- **Midterm outcomes of aortic root surgery in patients with Marfan syndrome: A prospective, multicenter, comparative study.** *The Journal of thoracic and cardiovascular surgery*
  Coselli, J. S., Volguina, I. V., LeMaire, S. A., Connolly, H. M., Sundt, T. M., Milewicz, D. M., Dietz, H. C., Amarasekara, H. S., Green, S. Y., Zhang, Q., Schaff, H. V., Miller, D. C., Aortic Valve Operative Outcomes in Marfan Patients Study Group
  2021
- **Rational Dispersion of TAVR: Failed Expectations and Unintended Consequences.** *Journal of the American College of Cardiology*
  Holmes, D. R., Miller, D. C.
  2021; 78 (8): 807-810
- **Structural Deterioration of Transcatheter Versus Surgical Aortic Valve Bioprostheses in the PARTNER-2 Trial.** *Journal of the American College of Cardiology*
  Pibarot, P., Ternacle, J., Jaber, W. A., Salaun, E., Dahou, A., Asch, F. M., Weissman, N. J., Rodriguez, L., Xu, K., Annabi, M., Guzzetti, E., Beaudoin, J., Bernier, et al
  2020; 76 (16): 1830–43
- **Five-Year Outcomes of Transcatheter or Surgical Aortic-Valve Replacement.** *The New England journal of medicine*
  Makkar, R. R., Thourani, V. H., Mack, M. J., Kodali, S. K., Kapadia, S., Webb, J. G., Yoon, S., Trento, A., Svensson, L. G., Herrmann, H. C., Szeto, W. Y., Miller, D. C., Satler, et al
  2020; 382 (9)
- **Type A Aortic Dissection-Experience Over 5 Decades: JACC Historical Breakthroughs in Perspective.** *Journal of the American College of Cardiology*
  Zhu, Y. n., Lingala, B. n., Baiocchi, M. n., Tao, J. J., Toro Arana, V. n., Khoo, J. W., Williams, K. M., Traboulsi, A. A., Hammond, H. C., Lee, A. M., Hiesinger, W. n., Boyd, J. n., Oyer, et al
  2020; 76 (14): 1703–13
- **Do annuloplasty rings designed to treat ischemic/functional mitral regurgitation alter left-ventricular dimensions in the acutely ischemic ovine heart?** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Bothe, W., Kvitting, J., Rausch, M. K., Timek, T. A., Swanson, J. C., Liang, D. H., Walther, M., Kuhl, E., Ingels, N. B., Miller, D.
  2019; 158 (4): 1058–68
- **Quality of Life of Patients With Marfan Syndrome After Valve-Sparing or Valve-Replacement Operations.** *Mayo Clinic proceedings*
  Helder, M. R., Schaff, H. V., Lahr, B. D., Miller, D. C., Connolly, H. M.
  2019; 94 (9): 1906–9
- **Inter- and intrasite variability of mortality and stroke for sites performing both surgical and transcatheter aortic valve replacement for aortic valve stenosis in intermediate-risk patients.** *The Journal of thoracic and cardiovascular surgery*

Greason, K. L., Blackstone, E. H., Rajeswaran, J., Lowry, A. M., Svensson, L. G., Webb, J. G., Tuzcu, E. M., Smith, C. R., Makkar, R. R., Mack, M. J., Thourani, V. H., Kodali, S. K., Leon, et al
2019

- **Characterization of 3-dimensional papillary muscle displacement in in vivo ovine models of ischemic/functional mitral regurgitation** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Bothe, W., Timek, T. A., Tibayan, F. A., Walther, M., Daughters, G. T., Ingels, N. B., Miller, D.
  2019; 157 (4): 1444–49

- **Endovascular Versus Open Repair of Intact Descending Thoracic Aortic Aneurysms** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Chiu, P., Goldstone, A. B., Schaffer, J. M., Lingala, B., Miller, D., Mitchell, R., Woo, Y., Fischbein, M. P., Dake, M. D.
  2019; 73 (6): 643–51

- **3-Year Outcomes After Valve-in-Valve Transcatheter Aortic Valve Replacement for Degenerated Bioprostheses: The PARTNER 2 Registry.** *Journal of the American College of Cardiology*
  Webb, J. G., Murdoch, D. J., Alu, M. C., Cheung, A. n., Crowley, A. n., Dvir, D. n., Herrmann, H. C., Kodali, S. K., Leipsic, J. n., Miller, D. C., Pibarot, P. n., Suri, R. M., Wood, et al
  2019; 73 (21): 2647–55

- **Characterization of 3-dimensional papillary muscle displacement in invivo ovine models of ischemic/functional mitral regurgitation.** *The Journal of thoracic and cardiovascular surgery*
  Bothe, W., Timek, T. A., Tibayan, F. A., Walther, M., Daughters, G. T., Ingels, N. B., Miller, D. C.
  2018

- **Observed to expected 30-day mortality as a benchmark for transcatheter aortic valve replacement.** *The Journal of thoracic and cardiovascular surgery*
  Henn, M. C., Zajarias, A., Quader, N., Sintek, M., Lasala, J. M., Koogler, K., Damiano, M. S., Kachroo, P., Miller, D. C., King, C. R., Melby, S. J., Moon, M. R., Damiano, et al
  2018

- **Acute Limited Intimal Tears of the Thoracic Aorta.** *Journal of the American College of Cardiology*
  Chin, A. S., Willemink, M. J., Kino, A. n., Hinostroza, V. n., Sailer, A. M., Fischbein, M. P., Mitchell, R. S., Berry, G. J., Miller, D. C., Fleischmann, D. n.
  2018; 71 (24): 2773–85

- **Longitudinal Hemodynamics of Transcatheter and Surgical Aortic Valves in the PARTNER Trial** *JAMA CARDIOLOGY*
  Douglas, P. S., Leon, M. B., Mack, M. J., Svensson, L. G., Webb, J. G., Hahn, R. T., Pibarot, P., Weissman, N. J., Miller, C., Kapadia, S., Herrmann, H. C., Kodali, S. K., Makkar, et al
  2017; 2 (11): 1197–1206

- **Effect of Sapien-3 Transcatheter Valve Implant on Health Status in Patients with Severe Aortic Stenosis at Intermediate Surgical Risk: Results from the PARTNER S3i Trial**
  Baron, S., Alu, M., Thourani, V., Kodali, S., Arnold, S., Chinnakondepali, K., Magnuson, E., Wang, K., Pichard, A., Babaliaros, V., George, I., Miller, D., Tuzcu, et al
  ELSEVIER SCIENCE INC.2016: B14

- **Aortic Valve-Sparing Surgery Yes, But Not for Every Patient and Select the Center Very Carefully** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Miller, D.
  2016; 68 (17): 1848–50

- **Evolution of surgical therapy for Stanford acute type A aortic dissection.** *Annals of cardiothoracic surgery*
  Chiu, P., Miller, D. C.
  2016; 5 (4): 275-295

- **5-year outcomes of transcatheter aortic valve replacement compared with standard treatment for patients with inoperable aortic stenosis (PARTNER 1): a randomised controlled trial** *LANCET*
  Kapadia, S. R., Leon, M. B., Makkar, R. R., Tuzcu, E. M., Svensson, L. G., Kodali, S., Webb, J. G., Mack, M. J., Douglas, P. S., Thourani, V. H., Babaliaros, V. C., Herrmann, H. C., Szeto, et al
  2015; 385 (9986): 2485-2491

- **5-year outcomes of transcatheter aortic valve replacement or surgical aortic valve replacement for high surgical risk patients with aortic stenosis (PARTNER 1): a randomised controlled trial** *LANCET*
  Mack, M. J., Leon, M. B., Smith, C. R., Miller, D. C., Moses, J. W., Tuzcu, E. M., Webb, J. G., Douglas, P. S., Anderson, W. N., Blackstone, E. H., Kodali, S. K., Makkar, R. R., Fontana, et al
  2015; 385 (9986): 2477-2484

- **Rationale and results of the Stanford modification of the David V reimplantation technique for valve-sparing aortic root replacement** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Miller, D. C.
  2015; 149 (1): 112-114

- **Defining "Severe" Secondary Mitral Regurgitation Emphasizing an Integrated Approach** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Grayburn, P. A., Carabello, B., Hung, J., Gillam, L. D., Liang, D., Mack, M. J., McCarthy, P. M., Miller, D. C., Trento, A., Siegel, R. J.
  2014; 64 (25): 2792-2801

- **Tirone David procedure for bicuspid aortic valve disease: impact of root geometry and valve type on mid-term outcomes†.** *Interactive cardiovascular and thoracic surgery*
  Kari, F. A., Kvitting, J. E., Stephens, E. H., Liang, D. H., Merk, D. R., Fischbein, M. P., Mitchell, R. S., Miller, D. C.
  2014; 19 (3): 375-381

- **Early and 1-year outcomes of aortic root surgery in patients with Marfan syndrome: A prospective, multicenter, comparative study** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Coselli, J. S., Volguina, I. V., LeMaire, S. A., Sundt, T. M., Connolly, H. M., Stephens, E. H., Schaff, H. V., Milewicz, D. M., Vricella, L. A., Dietz, H. C., Minard, C. G., Miller, D. C.
  2014; 147 (6): 1758-1766

- **Another Meiosis in the Specialty of Cardiovascular and Thoracic Surgery Birth of the Purebred "Thoracic Aortic Surgeon"?** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Miller, D.
  2014; 63 (17): 1804–6

- **Incidence and progression of mild aortic regurgitation after Tirone David reimplantation valve-sparing aortic root replacement** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Stephens, E. H., Liang, D. H., Kvitting, J. E., Kari, F. A., Fischbein, M. P., Mitchell, R. S., Miller, D. C.
  2014; 147 (1): 169-?

- **Evaluation of Marfan patients status post valve-sparing aortic root replacement with 4D flow** *MAGNETIC RESONANCE IMAGING*
  Hope, T. A., Kvitting, J. E., Hope, M. D., Miller, D. C., Markl, M., Herfkens, R. J.
  2013; 31 (9): 1479-1484

- **Predictors of Mortality and Outcomes of Therapy in Low-Flow Severe Aortic Stenosis: A Placement of Aortic Transcatheter Valves (PARTNER) Trial Analysis** *CIRCULATION*
  Herrmann, H. C., Pibarot, P., Hueter, I., Gertz, Z. M., Stewart, W. J., Kapadia, S., Tuzcu, E. M., Babaliaros, V., Thourani, V., Szeto, W. Y., Bavaria, J. E., Kodali, S., Hahn, et al
  2013; 127 (23): 2316-2326

- **Aortic Valve and Ascending Aorta Guidelines for Management and Quality Measures** *ANNALS OF THORACIC SURGERY*
  Svensson, L. G., Adams, D. H., Bonow, R. O., Kouchoukos, N. T., Miller, D. C., O'Gara, P. T., Shahian, D. M., Schaff, H. V., Akins, C. W., Bavaria, J. E., Blackstone, E. H., David, T. E., Desai, et al
  2013; 95 (6): S1-S66

- **Sizing for Mitral Annuloplasty: Where Does Science Stop and Voodoo Begin?** *ANNALS OF THORACIC SURGERY*
  Bothe, W., Miller, D. C., Doenst, T.
  2013; 95 (4): 1475-1483

- **Through the looking glass: The first 20 years of thoracic aortic stent-grafting** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Miller, D. C.
  2013; 145 (3): S142-S148

- **Tirone David valve-sparing aortic root replacement and cusp repair for bicuspid aortic valve disease** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*

Kari, F. A., Liang, D. H., Kvitting, J. E., Stephens, E. H., Mitchell, R. S., Fischbein, M. P., Miller, D. C.
2013; 145 (3): S35-?

- **David valve-sparing aortic root replacement: Equivalent mid-term outcome for different valve types with or without connective tissue disorder** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Kvitting, J. E., Kari, F. A., Fischbein, M. P., Liang, D. H., Beraud, A., Stephens, E. H., Mitchell, R. S., Miller, D. C.
  2013; 145 (1): 117-?

- **Transcatheter (TAVR) versus surgical (AVR) aortic valve replacement: Occurrence, hazard, risk factors, and consequences of neurologic events in the PARTNER trial** *91st Annual Meeting of the American-Association-for-Thoracic-Surgery*
  Miller, D. C., Blackstone, E. H., Mack, M. J., Svensson, L. G., Kodali, S. K., Kapadia, S., Rajeswaran, J., Anderson, W. N., Moses, J. W., Tuzcu, E. M., Webb, J. G., Leon, M. B., Smith, et al
  MOSBY-ELSEVIER.2012: 832–U368

- **Transcatheter versus Surgical Aortic-Valve Replacement in High-Risk Patients** *NEW ENGLAND JOURNAL OF MEDICINE*
  Smith, C. R., Leon, M. B., Mack, M. J., Miller, C., Moses, J. W., Svensson, L. G., Tuzcu, E. M., Webb, J. G., Fontana, G. P., Makkar, R. R., Williams, M., Dewey, T., Kapadia, et al
  2011; 364 (23): 2187-2198

- **Report on the results of thoracic endovascular aortic repair for acute, complicated, type B aortic dissection at 30 days and 1 year from a multidisciplinary subcommittee of the Society for Vascular Surgery Outcomes Committee** *JOURNAL OF VASCULAR SURGERY*
  White, R. A., Miller, D. C., Criado, F. J., Dake, M. D., Diethrich, E. B., Greenberg, R. K., Piccolo, R. S., Siami, F. S.
  2011; 53 (4): 1082-1090

- **Transcatheter Aortic-Valve Implantation for Aortic Stenosis in Patients Who Cannot Undergo Surgery.** *NEW ENGLAND JOURNAL OF MEDICINE*
  Leon, M. B., Smith, C. R., Mack, M., Miller, D. C., Moses, J. W., Svensson, L. G., Tuzcu, E. M., Webb, J. G., Fontana, G. P., Makkar, R. R., Brown, D. L., Block, P. C., Guyton, et al
  2010; 363 (17): 1597-1607

- **Myofiber angle distributions in the ovine left Ventricle do not conform to computationally optimized predictions** *JOURNAL OF BIOMECHANICS*
  Ennis, D. B., Nguyen, T. C., Riboh, J. C., Wigstroem, L., Harrington, K. B., Daughters, G. T., Ingels, N. B., Miller, D. C.
  2008; 41 (15): 3219-3224

- **Heterogeneity of left ventricular wall thickening mechanisms** *78th Annual Scientific Session of the American-Heart-Association*
  Cheng, A., Nguyen, T. C., Malinowski, M., Daughters, G. T., Miller, D. C., Ingels, N. B.
  LIPPINCOTT WILLIAMS & WILKINS.2008: 713–21

- **The aortopathy of bicuspid aortic valve disease has distinctive patterns and usually involves the transverse aortic arch** *33rd Annual Meeting of the Western-Thoracic-Surgical-Association*
  Fazel, S. S., Mallidi, H. R., Lee, R. S., Sheehan, M. P., Liang, D., Fleischman, D., Herfkens, R., Mitchell, S., Miller, D. C.
  MOSBY-ELSEVIER.2008: 901–U54

- **Expert consensus document on the treatment of descending thoracic aortic disease using endovascular stent-grafts** *ANNALS OF THORACIC SURGERY*
  Svensson, L. G., Kouchoukos, N. T., Miller, D. C., Bavaria, J. E., Coselli, J. S., Curi, M. A., Eggebrecht, H., Elefteriades, J. A., Erbel, R., Gleason, T. G., Lytle, B. W., Mitchell, R. S., Nienaber, et al
  2008; 85 (1): S1-S41

- **Aortic root dynamics and surgery: from craft to science** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
  Cheng, A., Dagum, P., Miller, D. C.
  2007; 362 (1484): 1407-1419

- **Valve-sparing aortic root replacement: Current state of the art and where are we headed?** *Aortic Surgery Symposium X*
  Miller, D. C.
  ELSEVIER SCIENCE INC.2007: S736–S739

- **Direct measurement of transmural laminar architecture in the anterolateral wall of the ovine left ventricle: new implications for wall thickening mechanics** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
  Harrington, K. B., Rodriguez, F., Cheng, A., Langer, F., Ashikaga, H., Daughters, G. T., Criscione, J. C., Ingels, N. B., Miller, D. C.

2005; 288 (3): H1324-H1330

- **Simple modification of "T. David-V" valve-sparing aortic root replacement to create graft pseudosinuses** *ANNALS OF THORACIC SURGERY*
  Demers, P., Miller, D. C.
  2004; 78 (4): 1479-1481

- **Midterm results of endovascular repair of descending thoracic aortic aneurysms with first-generation stent grafts** *29th Annual Meeting of the Western-Thoracic-Surgical-Association*
  Demers, P., Miller, D. C., Mitchell, R. S., Kee, S. T., Sze, D., Razavi, M. K., Dake, M. D.
  MOSBY-ELSEVIER.2004: 664–73

- **Does septal-lateral annular cinching work for chronic ischemic mitral regurgitation?** *29th Annual Meeting of the Western-Thoracic-Surgical-Association*
  Tibayan, F. A., Rodriguez, F., Langer, F., Zasio, M. K., Bailey, L., Liang, D., Daughters, G. T., Ingels, N. B., Miller, D. C.
  MOSBY-ELSEVIER.2004: 654–63

- **Acute type A aortic dissection complicated by aortic regurgitation: Composite valve graft versus separate valve graft versus conservative valve repair** *28th Annual Meeting of the Western-Thoracic-Surgical-Association*
  Lai, D. T., Miller, D. C., Mitchell, R. S., Oyer, P. E., Moore, K. A., Robbins, R. C., Shumway, N. E., Reitz, B. A.
  MOSBY-ELSEVIER.2003: 1978–86

- **Images in cardiovascular medicine. Simultaneous "Tirone David-V" valve-sparing aortic root replacement and radical mitral valve repair for the Marfan syndrome with Barlow syndrome.** *Circulation*
  Demers, P., Liang, D., Miller, D. C.
  2003; 108 (16): e116-7

- **Geometric distortions of the mitral valvular-ventricular complex in chronic ischemic mitral regurgitation.** *Circulation*
  Tibayan, F. A., Rodriguez, F., Zasio, M. K., Bailey, L., Liang, D., Daughters, G. T., Langer, F., Ingels, N. B., Miller, D. C.
  2003; 108: II116-21

- **Valve-sparing aortic root replacement in patients with the Marfan syndrome** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Miller, D. C.
  2003; 125 (4): 773-778

- **Is medical therapy still the optimal treatment strategy for patients with acute type B aortic dissections?** *27th Annual Meeting of the Western-Thoracic-Surgical-Association*
  Umana, J. P., Lai, D. T., Mitchell, R. S., Moore, K. A., Rodriguez, F., Robbins, R. C., Oyer, P. E., Dake, M. D., Shumway, N. E., Reitz, B. A., Miller, D. C.
  MOSBY-ELSEVIER.2002: 896–910

- **Does profound hypothermic circulatory arrest improve survival in patients with acute type a aortic dissection?** *Circulation*
  Lai, D. T., Robbins, R. C., Mitchell, R. S., Moore, K. A., Oyer, P. E., Shumway, N. E., Reitz, B. A., Miller, D. C.
  2002; 106 (12): I218-28

- **Prognosis of aortic intramural hematoma with and without penetrating atherosclerotic ulcer - A clinical and radiological analysis** *CIRCULATION*
  Ganaha, F., Miller, C., Sugimoto, K., Do, Y. S., Minamiguchi, H., Saito, H., Mitchell, R. S., Dake, M. D.
  2002; 106 (3): 342-348

- **Septal-lateral annular cinching abolishes acute ischemic mitral regurgitation** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Timek, T. A., Lai, D. T., Tibayan, F., Liang, D., Daughters, G. T., Dagum, P., Ingels, N. B., Miller, D. C.
  2002; 123 (5): 881-888

- **Torsion dynamics in the evolution from acute to chronic mitral regurgitation** *1st Biennial Meeting of the Society-for-Heart-Valve-Disease*
  Tibayan, F. A., Yun, K. L., Lai, D. T., Timek, T. A., Daughters, G. T., Ingels, N. B., Miller, D. C.
  I C R PUBLISHERS.2002: 39–46

- **Edge-to-edge mitral repair - Tension on the approximating suture and leaflet deformation during acute ischemic mitral regurgitation in the ovine heart** *CIRCULATION*
  Nielsen, S. L., Timek, T. A., Lai, D. T., Daughters, G. T., Liang, D., Hasenkam, J. M., Ingels, N. B., Miller, D. C.

2001; 104 (12): I29-I35

- **Endovascular stent-graft placement for the treatment of acute aortic dissection** *NEW ENGLAND JOURNAL OF MEDICINE*
  Dake, M. D., Kato, N., Mitchell, R. S., Semba, C. P., Razavi, M. K., Shimono, T., Hirano, T., Takeda, K., Yada, I., Miller, D. C.
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