

Stanford



D. Craig Miller, M.D.

Thelma and Henry Doelger Professor in Cardiovascular Surgery

Cardiothoracic Surgery

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Cardiothoracic Surgery Clinic**

300 Pasteur Dr

Falk Bldg CVRB MC 5407

Stanford, CA 94305

Tel (650) 725-3826

Fax (650) 725-3846

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Lisa Sarkisian - Administrative Assistant

Email lisa63@stanford.edu

Tel 650.725.3826

Bio

CLINICAL FOCUS

- valve repair and replacement
- Thoracic Aortic surgery
- mitral repair
- Valve-sparing aortic root replacement
- Cardiovascular Surgery
- Thoracic Surgery

ACADEMIC APPOINTMENTS

- Professor, Cardiothoracic Surgery
- Member, Bio-X

HONORS AND AWARDS

- Distinguished Scientist, American Heart Association (AHA) (2003)
- Eugene Braunwald Mentorship Award, American Heart Association (AHA) (2009)
- President, American Association for Thoracic Surgery (AATS) (2007-2008)
- President, Western Thoracic Surgical Association (1994-1995)
- E. Stanley Crawford Lectureship, Baylor College of Medicine (2008)
- William W. L. Glenn lecturer, American Heart Association (AHA) (2002)
- Antoine Marfan Award, National Marfans Foundation (2001)
- Wilfred Bigelow Award, Wilfred Bigelow Award, Canadian Cardiovascular Society (2000)
- John W. Kirklin Memorial Lectureship, Mayo Clinic (2016)
- Distinguished Achievement Award, American Heart Association (AHA) CVSA Council (2008)

- R. T. Hall Lectureship, Cardiac Society of Australia and New Zealand (1990)
- Victor Chang Memorial Lectureship, Cardiac Society of Australia and New Zealand (2016)
- Henry Bahnson Lectureship, University of Pittsburgh (2016)
- David J. Dugan Distinguished Service Award, Western Thoracic Surgical Association (2016)
- Presidente, Sociedad de Cardiocirujanos (España) (1988)
- Distinguished Alumni Award, Stanford University Medical School (1997)
- Outstanding Achievement in Medicine Award, Santa Clara County Medical Society (2004)

PROFESSIONAL EDUCATION

- Residency: Stanford University Dept of Cardiothoracic Surgery (1977) CA
- Residency: Stanford University General Surgery Residency (1975) CA
- Medical Education: Stanford University School of Medicine Registrar (1972) CA
- Board Certification: Thoracic Surgery, American Board of Thoracic Surgery (1979)
- none, Dartmouth College , Chemistry/Mathematics (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>

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

- 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)., Recruiting
- The PARTNER II Trial: Placement of AoRTic TraNscathetER Valves - PII A, Recruiting
- The PARTNER II Trial: S3iCAP, Recruiting
- ProspeCtive, nOn-randoMized, MulticENter Clinical Evaluation of Edwards Pericardial Bioprostheses With a New Tissue Treatment Platform (COMMENCE), Not Recruiting
- To Evaluate the Safety and Efficacy for GORE TAG Thoracic Endoprosthesis in the Treatment of Thoracic Aortic Disease, Not Recruiting

Publications

PUBLICATIONS

- **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., Willeminck, M. J., Kino, A., Hinojroza, V., Sailer, A. M., Fischbein, M. P., Mitchell, R. S., Berry, G. J., Miller, D. C., Fleischmann, D.
2018; 71 (24): 2773–85
- **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., Akina, 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: III116-21
- **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.
1999; 340 (20): 1546-1552
- **Replacement of the aortic root in patients with Marfan's syndrome** *NEW ENGLAND JOURNAL OF MEDICINE*
Gott, V. L., Greene, P. S., Alejo, D. E., Cameron, D. E., Naftel, D. C., Miller, D. C., Gillinov, A. M., Laschinger, J. C., Pyeritz, R. E.
1999; 340 (17): 1307-1313
- **The "first generation" of endovascular stent-grafts for patients with aneurysms of the descending thoracic aorta** *78th Annual Meeting of the American-Association-for-Thoracic-Surgery*
Dake, M. D., Miller, D. C., Mitchell, R. S., Semba, C. P., Moore, K. A., Sakai, T.
MOSBY-ELSEVIER.1998: 689-703
- **TRANSLUMINAL PLACEMENT OF ENDOVASCULAR STENT-GRAFTS FOR THE TREATMENT OF DESCENDING THORACIC AORTIC-ANEURYSMS** *NEW ENGLAND JOURNAL OF MEDICINE*
Dake, M. D., Miller, D. C., Semba, C. P., Mitchell, R. S., Walker, P. J., Liddell, R. P.
1994; 331 (26): 1729-1734
- **The continuing dilemma concerning medical versus surgical management of patients with acute type B dissections.** *Seminars in thoracic and cardiovascular surgery*
Miller, D. C.
1993; 5 (1): 33-46
- **Global and regional left ventricular systolic performance in the in situ ejecting canine heart. Importance of the mitral apparatus.** *Circulation*
Sarris, G. E., Fann, J. I., Niczyporuk, M. A., Derby, G. C., Handen, C. E., Miller, D. C.
1989; 80 (3): I24-42
- **PHYSIOLOGIC ROLE OF THE MITRAL APPARATUS IN LEFT-VENTRICULAR REGIONAL MECHANICS, CONTRACTION SYNERGY, AND GLOBAL SYSTOLIC PERFORMANCE** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Hansen, D. E., Sarris, G. E., Niczyporuk, M. A., Derby, G. C., CAHILL, P. D., Miller, D. C.
1989; 97 (4): 521-533
- **Valvular-ventricular interaction: the importance of the mitral chordae tendineae in terms of global left ventricular systolic function.** *Journal of cardiac surgery*
Sarris, G. E., Miller, D. C.
1988; 3 (3): 215-234
- **RESTORATION OF LEFT-VENTRICULAR SYSTOLIC PERFORMANCE AFTER REATTACHMENT OF THE MITRAL CHORDAE TENDINEAE - THE IMPORTANCE OF VALVULAR-VENTRICULAR INTERACTION** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Sarris, G. E., CAHILL, P. D., Hansen, D. E., Derby, G. C., Miller, D. C.
1988; 95 (6): 969-979

- **TORSIONAL DEFORMATION OF THE LEFT-VENTRICULAR MIDWALL IN HUMAN HEARTS WITH INTRAMYOCARDIAL MARKERS - REGIONAL HETEROGENEITY AND SENSITIVITY TO THE INOTROPIC EFFECTS OF ABRUPT RATE CHANGES** *CIRCULATION RESEARCH*
Hansen, D. E., Daughters, G. T., Alderman, E. L., Ingels, N. B., Miller, D. C.
1988; 62 (5): 941-952
- **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
- **2018 AATS/ACC/SCAI/STS Expert Consensus Systems of Care Document: Operator and institutional recommendations and requirements for transcatheter aortic valve replacement** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Bavaria, J. E., Tommaso, C. L., Brindis, R. G., Carroll, J. D., Deeb, G., Feldman, T. E., Gleason, T. G., Horlick, E. M., Kavinsky, C. J., Kumbhani, D. J., Miller, D., Seals, A., Shahian, et al
2019; 157 (3): E77-E111
- **Impact of Short-Term Complications on Mortality and Quality of Life After Transcatheter Aortic Valve Replacement** *JACC-CARDIOVASCULAR INTERVENTIONS*
Arnold, S. V., Zhang, Y., Baron, S. J., McAndrew, T. C., Alu, M. C., Kodali, S. K., Kapadia, S., Thourani, V. H., Miller, C., Mack, M. J., Leon, M. B., Cohen, D. J.
2019; 12 (4): 362-69
- **Impact of Short-Term Complications on Mortality and Quality of Life After Transcatheter Aortic Valve Replacement.** *JACC. Cardiovascular interventions*
Arnold, S. V., Zhang, Y., Baron, S. J., McAndrew, T. C., Alu, M. C., Kodali, S. K., Kapadia, S., Thourani, V. H., Miller, D. C., Mack, M. J., Leon, M. B., Cohen, D. J.
2019; 12 (4): 362-69
- **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
- **2018 AATS/ACC/SCAI/STS Expert Consensus Systems of Care Document: Operator and Institutional Recommendations and Requirements for Transcatheter Aortic Valve Replacement** *ANNALS OF THORACIC SURGERY*
Bavaria, J. E., Tommaso, C. L., Brindis, R. G., Carroll, J. D., Deeb, G., Feldman, T. E., Gleason, T. G., Horlick, E. M., Kavinsky, C. J., Kumbhani, D. J., Miller, D., Seals, A., Shahian, et al
2019; 107 (2): 650-84
- **Do annuloplasty rings designed to treat ischemic/functional mitral regurgitation alter left-ventricular dimensions in the acutely ischemic ovine heart?** *The Journal of thoracic and cardiovascular surgery*
Bothe, W., Escobar Kvitting, J., Rausch, M. K., Timek, T. A., Swanson, J. C., Liang, D. H., Walther, M., Kuhl, E., Ingels, N. B., Miller, D. C.
2019
- **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., Crowley, A., Dvir, D., Herrmann, H. C., Kodali, S. K., Leipsic, J., Miller, D. C., Pibarot, P., Suri, R. M., Wood, et al
2019; 73 (21): 2647-55
- **Stroke After Surgical Versus Transfemoral Transcatheter Aortic Valve Replacement in the PARTNER Trial** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Kapadia, S. R., Huded, C. P., Kodali, S. K., Svensson, L. G., Tuzcu, E., Baron, S. J., Cohen, D. J., Miller, D., Thourani, V. H., Herrmann, H. C., Mack, M. J., Szerlip, M., Makkar, et al
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