Stanford



Joseph Woo, MD, FACS, FACC, FAHA

Norman E. Shumway Professor, Professor of Cardiothoracic Surgery and, by courtesy, of Bioengineering

CLINICAL OFFICE (PRIMARY)

- **Dept of Cardiothoracic Surgery**

  300 Pasteur Dr

  Falk Bldg CVRB

  Stanford, CA 94305

  Tel (650) 497-6757 **Fax** (650) 736-0901

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

  Torye Nguyen

  Email toryen@stanford.edu

  Tel (650) 725-3828

Bio

BIO

Dr. Woo is a board-certified, fellowship-trained cardiothoracic surgeon, cardiovascular surgeon, and transplant surgeon with Stanford Health Care. He is professor and chair of the Stanford Medicine Department of Cardiothoracic Surgery and associate director of the Stanford Cardiovascular Institute. He is also the Norman E. Shumway Professor of Cardiothoracic Surgery and professor, by courtesy, in the Department of Bioengineering.

Dr. Woo is a nationally recognized surgeon, innovator, researcher, and educator in cardiothoracic surgery. He focuses on complex mitral and aortic valve repair, thoracic aortic surgery, heart and lung transplantation, and minimally invasive heart surgery. He was awarded the American Heart Association's 2021 Clinical Research Prize for developing innovative and minimally invasive surgeries to repair and reconstruct heart valves.

In 2022, Dr. Woo and his team at Stanford Health Care performed the first beating-heart transplant from a donation after circulatory death (DCD) donor and organ perfusion system. Keeping a donor heart pumping while it's transported to the recipient and then implanting the heart while it's beating minimizes organ damage. This groundbreaking new procedure is expected to increase the number of hearts available for transplant while improving health outcomes.

As a physician-scientist, Dr. Woo has served as principal investigator on multiple studies funded by National Institutes of Health (NIH) grants. One explored an innovative therapy to stimulate vascular (blood-carrying) stem cells in the bone marrow and direct them to the heart to grow new blood vessels and improve blood flow to damaged heart muscle.

Dr. Woo has also been the primary investigator for clinical trials involving the administration of stem cells during coronary artery bypass grafting (CABG) and left ventricular assist device (LVAD) implantation. In addition, Dr. Woo has served as primary investigator for multiple clinical device trials. He has filed for and holds patents for several heart-related medical devices and surgical techniques.

Dr. Woo has co-authored more than 510 articles in peer-reviewed journals and has served as a reviewer for many of them, including the Annals of Thoracic Surgery, Journal of Thoracic and Cardiovascular Surgery, and Circulation. He has also presented his research and performed live surgery demonstrations both nationally and internationally.

Dr. Woo serves as president of the American Association for Thoracic Surgery (AATS) and past president of the AATS Cardiac Surgery Biology Club. He is a fellow of the American College of Surgeons, American College of Cardiology, and American Heart Association. He is a member of many other professional societies, including the World Society of Cardiovascular and Thoracic Surgeons and International Society for Heart Research. He also serves on the leadership committee of the American Heart Association's Council on Cardiovascular Surgery and Anesthesia.

CLINICAL FOCUS

- Mitral Valve Repair
- Aortic Valve Repair
- Complex Valve Repair Surgery
- Minimally Invasive Surgery
- Aortic Aneurysm
- Valve Replacement Surgery
- Heart Failure
- Ventricular Assist Device
- Heart Transplantation
- Lung Transplantation
- Heart-Lung Transplantation
- Coronary Artery Bypass
- Coronary Artery Bypass, Off-Pump
- Robotics
- Reoperative Cardiac Surgery
- Clinical Device Trials
- Thoracic and Cardiac Surgery

ACADEMIC APPOINTMENTS

- Professor, Cardiothoracic Surgery
- Professor (By courtesy), Bioengineering
- Member, Bio-X
- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- Chair, Department of Cardiothoracic Surgery, Stanford University School of Medicine, (2014- present)
- Director, Stanford Healthcare Board, (2019-2022)
- Associate Director, Stanford Cardiovascular Institute, CT Surgery, (2014- present)
- Member, Executive Committee, Stanford University School of Medicine, (2014- present)
- Attending Cardiothoracic Surgeon, Stanford Hospital and Clinics, (2014- present)
- Attending Cardiothoracic Surgeon, Lucille Packard Children's Hospital, (2014- present)

HONORS AND AWARDS

- 45th Annual Award, Chinese Hospital
- Chief Resident in Surgery, University of Pennsylvania
- Clinical Research Prize, American Heart Association
- Julius A. Mackie Distinguished Graduate Lectureship, University of Pennsylvania
- Outstanding Leader Award, Stanford University Faculty Women's Forum
- Surgery Mentoring Award, American Heart Association
- Top Doctors San Francisco Bay Area, Castle Connolly
- Travel Grant for Young Cardiovascular Surgeons, Asian Society for Cardiovascular Surgery
- Travel Scholarship, American Society for Clinical Investigation
- 2018 Top Ten Clinical Research in USA Award, Clinical Research Forum (2018)
- Top Doctors, San Francisco Magazine (2015,2016,2017,2018)
- Surgical Mentorship Teaching Award, Department of Surgery, University of Pennsylvania (2013)
- Top Ten Reviewers (#1), Journal of Thoracic and Cardiovascular Surgery, AATS (2013)
- Luigi Mastroianni Clinical Innovator Award, University of Pennsylvania (2012)
- Top Doctors of Philadelphia Region, Philadelphia Magazine (2009, 2010, 2011, 2012, 2013)
- Class of 2012 Teaching Award, Penn Medicine (2009)
- 10 Philadelphia Medical Researchers to Watch for 2005, Philadelphia Inquirer (2005)
- 21 Up and Coming Leaders of Philadelphia Award Winner, Philadelphia Magazine (2003)
- 40 under Forty Award Winner, Philadelphia Business Journal (2003)
- Leonard J. Perloff Chief Resident Teaching Award (as determined by fellow residents), Department of Surgery, University of Pennsylvania (1999)
- Resident Prize First Place, Pennsylvania Association of Thoracic Surgery (1997)
- Surgical Scholar Award (Scoring 99th percentile on American Board of Surgery In-Service Exam), Department of Surgery, University of Pennsylvania (1997)
- Vivien Thomas Young Investigator Award Winner, American Heart Association (1997)
- William Y. Inouye Teaching Award (Top resident teacher as determined by medical students), Department of Surgery, University of Pennsylvania (1997)
- Penn Pearls Teaching Award (Teaching excellence, as determined by medical students), University of Pennsylvania (1995)
- I. S. Ravdin Prize (Top student in surgery), Department of Surgery, University of Pennsylvania (1992)
- Alpha Omega Alpha, University of Pennsylvania (1991)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- President, American Association for Thoracic Surgery (2026 - present)
- Chair, Scientific Affairs and Government Relations Committee, American Association for Thoracic Surgery (2018 - present)
- Associate Editor, Journal of Thoracic and Cardiovascular Surgery (2015 - present)
- Chair, Leadership Committee, Council on Cardiovascular Surgery and Anesthesia, American Heart Association (2013 - present)
- Co-Director, American Association for Thoracic Surgery/NIH Grant Workshop (2013 - 2013)
- Co-Chair, Research Scholarship Committee, American Association for Thoracic Surgery (2012 - 2014)
- Member, Scientific Publishing Committee, American Heart Association (2012 - 2014)
- Chair, Publications Committee, Society of University Surgeons (2012 - 2013)

- Member, Society of Thoracic Surgeons Workforce for Research Development Taskforce on Grant Procurement (2011 - present)
- Vice-Chair, Leadership Committee, Council on Cardiovascular Surgery and Anesthesia, American Heart Association (2011 - 2013)
- Member, Publications Committee, Association for Academic Surgery (2011 - 2012)
- Co-Director, American Association for Thoracic Surgery/NIH Grant Workshop (2011 - 2011)
- Member, Society of Clinical Surgery (2010 - present)
- Member, Research Scholarship Committee, American Association for Thoracic Surgery (2010 - 2014)
- Chair, Scientific Sessions Program Committee, Council on Cardiovascular Surgery and Anesthesia, American Heart Association (2010 - 2012)
- Liaison, Leadership Committee, Council on Functional Genomics and Translational Biology, American Heart Association (2010 - 2012)
- Member, Cardiac Surgery Biology Club (2009 - present)
- Member, Program Committee, American College of Cardiology Annual Scientific Session (2009 - 2011)
- Member, American Association for Thoracic Surgery (2007 - present)
- Member, Scientific Affairs and Government Relations Committee, American Association for Thoracic Surgery (2007 - present)
- Member, Research Committee, Thoracic Surgery Foundation for Research and Education (2007 - 2013)
- Vice-Chair, Scientific Sessions Program Committee, Council on Cardiovascular Surgery and Anesthesia, American Heart Association (2007 - 2009)
- Fellowship, F.A.H.A. (2006 - present)
- Member, Scientific Sessions Program Committee, Council on Cardiovascular Surgery and Anesthesia, American Heart Association (2006 - 2007)
- Member, Asian Society for Cardiovascular Surgery (2005 - present)
- Member, Society of University Surgeons (2005 - present)
- Fellowship, F.A.C.C. (2004 - present)
- Fellowship, F.A.C.S. (2004 - present)
- Member, Leadership Committee, Council on Cardiovascular Surgery and Anesthesia, American Heart Association (2004 - present)
- Member, College of Physicians of Philadelphia (2003 - present)
- Member, Society of Thoracic Surgeons (2002 - present)
- Member, Association for Academic Surgery (2002 - present)
- Member, International Society for Heart & Lung Transplantation (2002 - present)
- Member, International Society for Minimally Invasive Cardiac Surgery (2002 - present)
- Member, American Heart Association, Council for Cardiothoracic and Vascular Surgery (2002 - present)
- Member, International Society for Heart Research (2002 - present)

PROFESSIONAL EDUCATION

- Board Certification: Thoracic and Cardiac Surgery, American Board of Thoracic Surgery (2002)
- Board Certification: General Surgery, American Board of Surgery (2000)
- Fellow, University of Pennsylvania , Cardiothoracic Surgery (2001)
- Internship: Hospital of the University of Pennsylvania Dept of Anesthesia (1993) PA
- Resident, University of Pennsylvania , Cardiothoracic Surgery (2001)
- Chief Resident, University of Pennsylvania , Surgery (1999)
- Resident, University of Pennsylvania , Surgery (1998)
- Post-Doctoral Research Fellow, University of Pennsylvania (1997)
- MD, University of Pennsylvania School of Medicine (1992)
- BS, Massachusetts Institute of Technology (1988)

PATENTS

- Y. Joseph Woo, Pavan Atluri. "United States Patent 61/568,866 (Provisional Application Filed) Ventricular Assist Device Sleeve Adapter", Dec 9, 2011
- Y. Joseph Woo, Howard C. Herrmann. "United States Patent 10/591,963 Device for Facilitating Antegrade Cardioplegia delivery in Patients with Aortic Insufficiency", Apr 19, 2011

LINKS

- 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
- Woo Lab: http://med.stanford.edu/woolab.html
- Follow us on Twitter: https://twitter.com/StanfordCTSurg

Research & Scholarship

CLINICAL TRIALS

- Evaluating the Benefit of Concurrent Tricuspid Valve Repair During Mitral Surgery, Recruiting
- Emergency Ventilator Splitting Between Two or More Patients (COVID-19), Not Specified

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Ashley Choi, Reid Dale, Matthew Duda, Yujiro Kawai

Publications

PUBLICATIONS

- **Massive right ventricular outflow tract pseudoaneurysm after Konno: Safe sternal re-entry for triple-valve replacement and right ventricle-pulmonary artery reconstruction** *JTCVS TECHNIQUES*
  Hu, S., Reed, A. K., Dalal, A. R., Bustos, M., Woo, Y.
  2026; 39
- **Massive right ventricular outflow tract pseudoaneurysm after Konno: Safe sternal re-entry for triple-valve replacement and right ventricle-pulmonary artery reconstruction.** *JTCVS techniques*
  Hu, S., Reed, A. K., Dalal, A. R., Bustos, M., Woo, Y. J.
  2026; 39: 102504
- **Human Ex Vivo Working-Heart Evaluation of Coronet-Framed Valve-Sparing Aortic Root Replacement.** *JACC. Asia*
  Kim, J. B., Sharir, A., Elde, S., Lee, S. H., Faward, M., Guenthart, B. A., Woo, Y. J.
  2026
- **Aberrant, Elevated Papillary Muscle and LV Wall Forces Associated With Mitral Valve Prolapse Are Normalized by Surgical Neochordal Repair but Not by Transcatheter Edge-to-Edge Repair.** *Circulation. Cardiovascular interventions*
  Park, M. H., van Kampen, A., Huynh, C., Liou, K., Lee, L., Melnitchouk, S., Zhu, Y., Elde, S., Reed, A. K., Weininger, G., Borger, M. A., Levine, R. A., Woo, et al
  2026: e016161
- **Ventricular Perspective of MitraClip Integration in an Explanted Human Heart** *STRUCTURAL HEART-THE JOURNAL OF THE HEART TEAM*
  Elde, S., Fawad, M., Huynh, C., Woo, Y., Kim, J.
  2026; 10 (9)
- **Ventricular Perspective of MitraClip Integration in an Explanted Human Heart.** *Structural heart : the journal of the Heart Team*
  Elde, S., Fawad, M., Huynh, C., Woo, Y. J., Kim, J. B.

2026; 10 (9): 101071

- **The Role of Cardiac Fibrosis and Fibroblast Activation in Amyloid Light Chain (AL) Amyloidosis.** *JACC. Basic to translational science*
  Narita, S., Jimenez, J. I., Cai, N., Kitakata, H., Dorbala, S., Woo, Y. J., Alexander, K. M., Liao, R.
  2026; 11 (9): 101653
- **The Role of Cardiac Fibrosis and Fibroblast Activation in Amyloid Light Chain (AL) Amyloidosis** *JACC-BASIC TO TRANSLATIONAL SCIENCE*
  Narita, S., Jimenez, J., Cai, N., Kitakata, H., Dorbala, S., Woo, Y., Alexander, K. M., Liao, R.
  2026; 11 (9)
- **RUNX1-driven endothelial-to-mesenchymal transition contributes to remodelling in LMNA cardiomyopathy.** *European heart journal*
  Wu, D., Tripathi, D., Manhas, A., Noishiki, C., Liu, L., Wu, C. A., Venkateshappa, R., Zhang, H., Ren, L., Thomas, D., Nalbandian, M., Limbu, L., DaValle, et al
  2026
- **Patients with asymptomatic severe mitral regurgitation already have abnormal left ventricular myocardial sarcomeric ultrastructural characteristics.** *JTCVS open*
  Zhu, Y., Lee, S. H., Gupta, A., Wu, C. A., Jung, J., Venkatesh, A., Ethiraj, S., Stark, C. J., Huynh, C., Vergel, M. D., Yajima, S., Woo, Y. J.
  2026; 32: 101821
- **The Open Jacket Ross: Initial description and ex vivo biomechanical evaluation of neosinus openings in the pulmonary autograft inclusion jacket.** *JTCVS techniques*
  Reed, A. K., Weininger, G., Liou, K., Woo, Y. J.
  2026; 38: 102395
- **First in vivo implementation of a 3-dimensional coronet-shaped reinforced graft for standardized valve-sparing aortic root replacement.** *JTCVS techniques*
  Kim, J. B., Elde, S., Yajima, S., Ikeda, G., Huynh, C., Woo, Y. J.
  2026; 38: 102386
- **The Open Jacket Ross: Initial description and ex vivo biomechanical evaluation of neosinus openings in the pulmonary autograft inclusion jacket** *JTCVS TECHNIQUES*
  Reed, A. K., Weininger, G., Liou, K., Woo, Y.
  2026; 38
- **First in vivo implementation of a 3-dimensional coronet-shaped reinforced graft for standardized valve-sparing aortic root replacement** *JTCVS TECHNIQUES*
  Kim, J., Elde, S., Yajima, S., Ikeda, G., Huynh, C., Woo, Y.
  2026; 38
- **Heart-lung transplantation using temperature- and airway pressure-controlled donor organ preservation system.** *JTCVS techniques*
  Duda, M. M., Elde, S., Pelletier, G. J., Leon, M., Verdi, K. G., Ruaengsri, C., Woo, Y. J., Shudo, Y.
  2026; 38: 102404
- **Ex Vivo Biomechanical Analysis of Pulmonary Autograft Inclusion Techniques in the Ross Procedure.** *The Journal of thoracic and cardiovascular surgery*
  Reed, A. K., Huynh, C., Gupta, A., Ahn, D., Yang, J., Leipzig, M., Zhu, Y., Weininger, G., Elde, S., Woo, Y. J.
  2026
- **LMNA Cardiomyopathy Drives Endothelial Plasticity with Broad Cardiovascular Implications**
  Wu, D., Tripathi, D., Noishiki, C., Manhas, A., Dexheimer, R., Turbes, N., Liu, L., Cheng, P., Boyd, J., Woo, Y., Sallam, K., Wu, J., Sayed, et al
  LIPPINCOTT WILLIAMS & WILKINS.2026: ATue165
- **Persistent Primary Graft Dysfunction Stratifies Risk After Heart Transplantation With Lower Mortality Among Recipients of Donation-After-Circulatory-Death Hearts.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Berg, A. R., Krishnan, A., Heng, E. E., Zhou, A., Maskos, A., Rajaram, V., Alnasir, D. I., Khush, K. K., Teuteberg, J., Woo, Y. J., MacArthur, J. W.
  2026
- **Topical vascular organoid therapy promotes microvascular regeneration and functional recovery in porcine ischemic cardiomyopathy.** *Stem cell reports*

Farag, J. A., Yajima, S., Kawai, Y., Kawago, K., Pfrender, E., Syed, U., Lyons, J. K., Ueyama, T., Takashima, H., Matsuura, Y., Ikeda, G., Liu, Y., Zhu, et al
2026: 102999

- **Hybrid aortic arch repair for recoarctation and arch aneurysm with concomitant multivalvular surgery.** *JTCVS structural and endovascular*
  Pedroza, A. J., Reed, A. K., Tran, K., Woo, Y. J.
  2026; 10: 100121

- **Outcomes of Adults with Congenital Heart Disease Undergoing Heart and Heart-Liver Transplantation: A Single-Center Experience.** *The Journal of thoracic and cardiovascular surgery*
  Mullis, D. M., Krishnan, A., Vargas, N. M., Hu, S., Heng, E., Alnasir, D., Berg, A. R., Vu, A., Lui, G. K., Haeffele, C. L., Teuteberg, J. J., Daugherty, T., Gallo, et al
  2026

- **Expanding access and rising complexity: Contemporary early outcomes in heart-liver transplantation for adult congenital heart disease.** *The Journal of thoracic and cardiovascular surgery*
  Berg, A. R., Krishnan, A., Heng, E. E., Hu, S., Mullis, D. M., Vargas, N. M., Vu, A., Garrison, A. C., Alnasir, D. I., Clark, D., Haeffele, C., Lui, G., Teuteberg, et al
  2026; 171 (5): 1090-1100.e3

- **Single-cell and spatial transcriptomics identify immune-stromal interactions in cardiac allograft vasculopathy.** *Nature cardiovascular research*
  Owen, M. C., Li, D. Y., Shin, H., Gu, W., Parvathaneni, A., Kadyrov, F. F., Wang, X., Sticco-Ivins, M., Bonnici, G., Nelson, S. L., Dun, H., Hyacinth, S., Giangrasso, et al
  2026; 5 (5): 439-455

- **The Open Jacket Ross: Initial Clinical Description of Neosinus Openings in the Pulmonary Autograft Inclusion Jacket**
  Reed, A., Weininger, G., Liou, K., Woo, Y.
  MOSBY-ELSEVIER.2026: S342-S343

- **Improved Hemodynamic Performance with a 3-Dimensional Reinforced Ringed-Graft for Valve-Sparing Aortic Root Replacement in Bicuspid Aortic Valve**
  Shibata, M., Choi, P., Sharir, A., Huynh, C., Nilkant, R., Park, M., Chen, S., Ma, M., Woo, Y., Kim, J.
  MOSBY-ELSEVIER.2026: s275-s276

- **Expanding Access and Rising Complexity: Contemporary Early Outcomes in Heart-Liver Transplantation for Adult Congenital Heart Disease**
  Berg, A., Krishnan, A., Heng, E. E., Hu, S., Mullis, D., Vu, A., Garrison, A., Alnasir, D., Clark, D., Haeffele, C., Teuteberg, J., Woo, Y., MacArthur, et al
  MOSBY-ELSEVIER.2026: S215-S216

- **Optimal Commissural Height-to-Annular Diameter Ratio in Valve-Sparing Root Replacement: Ex-Vivo Evaluation with a Novel Ringed Graft**
  Huynh, C., Lee, S., Shibata, M., Park, M., Elde, S., Paulsen, M., Kim, J., Woo, Y.
  MOSBY-ELSEVIER.2026: S282

- **Ex Vivo Biomechanical Analysis of Pulmonary Autograft Inclusion Techniques in the Ross Procedure**
  Reed, A., Huynh, C., Gupta, A., Ahn, D., Yang, J., Leipzig, M., Zhu, Y., Woo, Y.
  MOSBY-ELSEVIER.2026: S107

- **Patients with Asymptomatic Severe Mitral Regurgitation Already Have Significantly Abnormal Left Ventricular Myocardial Ultrastructural Characteristics**
  Zhu, Y., Gupta, A., Lee, S., Wu, C., Jung, J., Venkatesh, A., Ethiraj, S., Stark, C., Huynh, C., Yajima, S., Woo, Y.
  MOSBY-ELSEVIER.2026: S283-S284

- **Early United States experience with donation after circulatory death for heart retransplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Berg, A. R., Krishnan, A., Heng, E. E., Zhou, A., Maskos, A., Alnasir, D. I., Teuteberg, J., Joseph Woo, Y., MacArthur, J. W.
  2026

- **A New Era of Cardiothoracic Transplantation in Adults With Congenital Heart Disease.** *Journal of the American Heart Association*
  Hu, S., Krishnan, A., Mullis, D. M., Heng, E., Elde, S., Garrison, A. C., Alnasir, D., Berg, A. R., Vargas, N. M., Haeffele, C., Lui, G., Woo, Y. J., MacArthur, et al

2026: e045279

- **Survival Benefit of Heart-Kidney Versus Heart Transplant With or Without Delayed Kidney Transplant.** *Journal of the American Heart Association*
  Yajima, S., He, H., Elde, S., Zhu, Y., Woo, Y. J., Shudo, Y.
  2026: e043669
- **Impact of leaflet stiffness in aortic valve neocuspidization in ex vivo biomechanical simulation.** *JTCVS open*
  Shibata, M., Lee, J. Y., Sharir, A., Nilkant, R., Kim, J. B., Mullis, D. M., Okamura, K., Choi, P., Ono, Y., Zhu, Y., Park, M., Woo, J., Ma, et al
  2026; 29: 101558
- **In vivo growing leporine model of pulmonary artery banding induces inflammation and vascular remodeling via pathways conserved across species** *JTCVS OPEN*
  Mullis, D. M., Lee, J. Y., Shibata, M., Arana, V., Kidambi, S., Sharir, A., Choi, P. S., Ikeda, G., Nilkant, R., Takashima, H., Ueyama, T., Huber, J. A., Woo, et al
  2026; 29
- **The cardinal technique for symmetric reorientation during bicuspid aortic valve-sparing root replacement.** *JTCVS techniques*
  Pedroza, A. J., Reed, A. K., Woo, Y. J.
  2026; 35: 102135
- **Beating heart transplantation: A single center's initial experience and propensity-matched analysis against national registry data.** *JHLT open*
  Choi, A. Y., Kapula, N., He, H., Degife, E., Krishnan, A., Ashrafi, R., Han, B., Pines, K., Henricksen, E., Elde, S., Fawad, M., Teuteberg, J. J., Khush, et al
  2026; 11: 100455
- **In vivo growing leporine model of pulmonary artery banding induces inflammation and vascular remodeling via pathways conserved across species.** *JTCVS open*
  Mullis, D. M., Lee, J. Y., Shibata, M., Arana, V. T., Kidambi, S., Sharir, A., Choi, P. S., Ikeda, G., Nilkant, R., Takashima, H., Ueyama, T., Huber, J. A., Woo, et al
  2026; 29: 101560
- **A top-down approach to perfusing the dissected aorta.** *The Annals of thoracic surgery*
  Pedroza, A. J., Woo, Y. J.
  2026
- **Heart-lung transplantation using temperature- and airway pressure-controlled donor organ preservation system** *JTCVS Techniques*
  Duda, M. M., Elde, S., Pelletier, G. J., Leon, M., Verdi, K. G., Ruaengsri, C., Woo, Y., Shudo, Y.
  2026
- **Impact of leaflet stiffness in aortic valve neocuspidization in ex vivo biomechanical simulation** *JTCVS Open*
  Shibata, M., Lee, J. Y., Sharir, A., Nilkant, R., Kim, J., Nullis, D. M., Okamura, K., Choi, P., Ono, Y., Zhu, Y., Park, M., Woo, Y., Ma, et al
  2026
- **Ex Vivo Heart Perfusion Offsets Ischemic Penalties with ≥6-Hour Preservation in Adult Donation-After-Brain-Death Heart Transplantation.** *The Journal of thoracic and cardiovascular surgery*
  Berg, A. R., Krishnan, A., Heng, E. E., Choi, A. Y., Zhou, A., Alnasir, D. I., Ruaengsri, Y. C., Shudo, Y., Woo, Y. J., MacArthur, J. W.
  2025
- **Invited Response Letter.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Berg, A. R., Krishnan, A., Heng, E. E., Choi, A. Y., Garrison, A. C., Alnasir, D. I., Chawannuch Ruaengsri, Y., Shudo, Y., Joseph Woo, Y., MacArthur, J. W.
  2025
- **Ross after David: Management of the fused plane between the prior reimplantation valve-sparing aortic root replacement and the pulmonary autograft.** *JTCVS techniques*
  Pedroza, A. J., Shou, B., Bustos, M., Liou, K., Woo, Y. J.
  2025; 34: 84-87
- **The geometry of longitudinal ascending aortoplasty to effect aneurysmal diameter reduction.** *JTCVS techniques*
  Zhou, A. L., Weininger, G., Woo, Y. J.

2025; 34: 37-40

- **Glycidyl methacrylate and methacrylic anhydride characterization for silk fibroin methacrylation in tissue engineering.** *Journal of materials chemistry. B*
  Wu, C. A., Zhu, Y., Stark, C. J., Lee, S. H., Huynh, C., LaMay, J. P., Woo, Y. J.
  2025
- **Single Cell and Spatial Transcriptomics Identify Novel Immune-Stromal Interactions in Cardiac Allograft Vasculopathy.** *Research square*
  Owen, M. C., Li, D. Y., Shin, H., Gu, W., Parvathaneni, A., Kadyrov, F. F., Wang, X., Sticco-Ivins, M., Bonnici, G., Nelson, S. L., Dun, H., Hyacinth, S., Cain, et al
  2025
- **Ex-vivo Heart Perfusion Attenuates Early Post-Transplant Risk After Prolonged Agonal Period in DCD Heart Transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Berg, A. R., Krishnan, A., Heng, E. E., Choi, A. Y., Garrison, A. C., Alnasir, D. I., Chawannuch Ruaengsri, Y., Shudo, Y., Joseph Woo, Y., MacArthur, J. W.
  2025
- **Adult heart transplantation in the USA and Western Europe: state of the art review.** *European heart journal*
  Chen, C. W., Saeed, D., Woo, Y. J.
  2025
- **Leveraging Single-Nucleus Chromatin Accessibility and Transcriptome Profiling to Define the Regulatory Landscape of Dilated Cardiomyopathy**
  Dunkenberger, L., Gilles, C., Belbachir, N., Metzl Raz, E., Limbu, L., Bonham, S., Arthur, J., Dalal, A., Kay, M., Baum, R., Neofytou, E., Ramchandani, R., Ameen, et al
  LIPPINCOTT WILLIAMS & WILKINS.2025
- **Growing Use, Evolving Risk: A Contemporary Profile of Heart-Liver Transplantation**
  Berg, A., Krishnan, A., Heng, E., Hu, S., Mullis, D., Vargas, N., Vu, A., Garrison, A., Alnasir, D., Clark, D., Haeffele, C., Lui, G., Teuteberg, et al
  LIPPINCOTT WILLIAMS & WILKINS.2025
- **Growing Use, Evolving Risk: A Contemporary Profile of Heart-Liver Transplantation**
  Berg, A., Krishnan, A., Heng, E., Hu, S., Mullis, D., Vargas, N., Vu, A., Garrison, A., Alnasir, D., Clark, D., Haeffele, C., Lui, G., Teuteberg, et al
  LIPPINCOTT WILLIAMS & WILKINS.2025
- **Dual Contrast-Enhanced Microcomputed Tomography Uncovers Leaflet-Dependent Patterns of Macrocalcification, Fibrous Extracellular Matrix Remodeling, and Adipocyte Degeneration in Calcific Aortic Stenosis.** *Journal of the American Heart Association*
  El Zeini, M., Tacco, I. R., Jimenez, J. I., Kabiri, A., Vailionis, A., Perrino, J., Burns, D., Jensen, K. C., Burdon, T. A., Shudo, Y., Woo, Y. J., Liang, T., Alexander, et al
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- **Simultaneous heart-kidney transplantation outcomes in Asian populations in the United States: A united network for organ sharing database study.** *JHLT open*
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