Stanford



Yasuhiro Shudo, MD, PhD

Clinical Associate Professor, Cardiothoracic Surgery

CLINICAL OFFICE (PRIMARY)

- **Cardiothoracic Surgery**
  300 Pasteur Dr
  Falk Bldg CVRB MC 5407
  Stanford, CA 94305
  Tel (650) 725-5895 **Fax** (650) 736-0901

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**
  Brenda Andrews - Administrative Associate
  Email barzate@stanford.edu
  Tel (650) 723-8935

Bio

BIO

Dr. Shudo is a board-certified cardiothoracic surgeon and clinical associate professor in the Department of Cardiothoracic Surgery at Stanford University School of Medicine.

His clinical focus is the surgical treatment of end-stage cardiopulmonary failure, including heart transplant, heart-lung transplant, lung transplant, mechanical circulatory support (MCS), and extracorporeal membrane oxygenation (ECMO). He has published numerous landmark papers and chapters.

Dr. Shudo also performs mitral valve repair/replacement (MVR), aortic valve replacement (AVR), complex valve surgery, coronary artery bypass graft (CABG) surgery, reoperative cardiac surgery, minimally invasive surgery, and transcatheter aortic valve replacement (TAVR).

Dr. Shudo is fully committed to innovative, comprehensive, and compassionate care for each patient he treats.

CLINICAL FOCUS

- Heart Transplantation
- Heart-Lung Transplantation
- Mitral Valve Replacement
- Complex Valve Surgery
- Coronary Artery Bypass
- Extracorporeal Membrane Oxygenation
- Lung Transplantation
- Mechanical Circulatory Support
- Mitral Valve Repair

- Minimally Invasive Surgical Procedures
- Reoperative Cardiac Surgery
- Transcatheter Aortic Valve Replacement
- Cardiovascular Surgery
- Heart Failure

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Cardiothoracic Surgery
- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- Clinical Associate Professor, Cardiothoracic Surgery, (2025- present)
- Clinical Assistant Professor, Cardiothoracic Surgery, (2017-2025)

HONORS AND AWARDS

- Transition to Independence Grants, American Society of Transplantation (2025-2026)
- Career Development Award, American Heart Association (2023-2026)
- CVI 2020 Seed Grant Awards, funded by the Steven M. Gootter Foundation., Stanford Cardiovascular Institute (CVI) (2020)
- ISHLT/O.H. Frazier Award in MCS Translational Research, The International Society of Heart & Lung Transplantation (2017)
- Travel Grant, Japan Surgical Society (2016)
- Circulation Top 10 Paper of 2013, Circulation, American Heart Association (2014)
- Research Fellowship, Uehara Memorial Foundation (2014)
- Circulation Journal Award, Japanese Circulation Society (2013)
- Postdoctoral Fellowship, American Heart Association (2012)
- Best Presentation Award, Japanese Society for Cardiovascular Surgery (2011)
- International Fellowship, Sinya Fund (2011)
- Young Investigator Award, American College of Cardiology (2011)
- Young Investigator Award, Japanese Heart Failure Society (2010)
- Young Investigator Award, European Association for Cardio-thoracic Surgery (2009)
- Young Investigator Award, Osaka University (2008)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- International Member, The Society of Thoracic Surgeons (2021 - present)
- CVI Trainee Mentor, Stanford Cardiovascular Institute (2020 - present)
- Member, Stanford Cardiovascular Institute (2020 - present)
- Active Member, Japanese Association for Thoracic Surgery (2019 - present)
- Fellow, F.A.C.C., American College of Cardiology (2018 - present)
- Member, The International Society of Heart & Lung Transplantation (2017 - present)
- Board Certified Cardiovascular Surgeon, Japanese Society for Cardiovascular Surgery (2014 - present)
- Board Certified Cardiology, Japanese Circulation Society (2012 - present)
- Member, Japanese College of Cardiology (2011 - present)
- Board Certified Surgeon, Japan Surgical Society (2007 - present)

- Fellow, F.A.H.A., American Heart Association (2007 - present)
- Member, Japanese Circulation Society (2005 - present)
- Member, Japanese Society for Cardiovascular Surgery (2005 - present)
- Member, Japanese Association for Thoracic Surgery (2001 - present)
- Member, Japan Surgical Society (2001 - present)

PROFESSIONAL EDUCATION

- Board Certification: Cardiovascular Surgery, Japanese Board of Cardiovascular Surgery (2014)
- PhD Training: Osaka University Graduate School of Medicine (2013) Japan
- Clinical Instructor, Stanford University School of Medicine (2015-2016) , CA (2016)
- Post-Doctral Research Fellow, Stanford University School of Medicine (2014-2015) , CA (2014)
- Post-Doctral Research Fellow, University of Pennsylvania School of Medicine (2011-2013) , PA (2013)
- PhD, Osaka University Graduate School of Medicine (2008-2011) , Japan (2011)
- Fellowship: Osaka University Hospital (2008) Japan
- Fellowship: Osaka Rosai Hospital (2007) Japan
- Residency: Osaka Prefectural Hospital (2004) Japan
- Residency: Osaka University Hospital (2002) Japan
- Medical Education: Osaka University Medical School (2001) Japan

LINKS

- Stanford Translational Heart Failure Research Laboratory (Shudo Lab): https://med.stanford.edu/shudo-lab.html
- 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

CLINICAL TRIALS

- Edwards PASCAL CLASP IID/IIF Pivotal Clinical Trial, Recruiting
- Donor After Circulatory Death Heart CAP Trial, Not Recruiting
- Donors After Circulatory Death Heart Trial, Not Recruiting
- Heart EXPAND Continued Access Protocol, Not Recruiting
- Global Utilization And Registry Database for Improved heArt preservatioN, Not Specified

Publications

PUBLICATIONS

- **En Bloc Heart-Lung Transplantation in the Modern Donor Era: Dual-Organ Recovery and Preservation Challenges.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Leon, M., Ruaengsri, C., Shudo, Y.
  2026
- **National Evaluation of the Updated ISHLT Early Graft Dysfunction Framework in Adult Heart Transplantation: Diagnostic Migration, Attrition, and Prognostic Implications.** *Transplantation*

Leon, M., Ruaengsri, C., He, H., Pelletier, G., Flores, M. Q., Bethencourt, D. M., Shudo, Y.
2026

- **Pick Your Perfusion: National Outcomes of Normothermic Regional Perfusion versus Direct Procurement and Perfusion in Donation After Circulatory Death Cardiac Transplants.** *The Journal of thoracic and cardiovascular surgery*
  Shou, B. L., Goerlich, C. E., Zhou, A. L., Ruaengsri, C., Shudo, Y., Hiesinger, W.
  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. J., Shudo, Y.
  2026; 38: 102404
- **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
- **Impact of Donor/Recipient Predicted Heart Mass Ratio on Primary Graft Dysfunction: Organ Heart Perfusion Registry Report**
  Farr, M., Schroder, J. N., Milano, C., D'Alessandro, D., Anyanwu, A., Shudo, Y., Sareyyupoglu, B., Pal, J., Couper, G., Lozonschi, L., Kai, M., Taked, K., Daneshmand, et al
  ELSEVIER SCIENCE INC.2026: S418
- **Preservation Strategy and Sex-Specific Risk of Severe Primary Graft Dysfunction After Heart Transplantation: A GUARDIAN-Heart Analysis.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*
  DeFilippis, E. M., Rodrigo, M. E., Loyaga-Rendon, R., Shudo, Y., Uriel, N., Takeda, K., D'Alessandro, D. A., Fiedler, A.
  2026
- **Heart Transplantation from Donation After Circulatory Death Donors: Comparison of Heart Preservation Approaches**
  D'Alessandro, D., Schroder, J., Shudo, Y., Pal, J., Esmailian, F., Patel, P., Couper, G., Takeda, K., Skipper, E., Lozonschi, L., Anyanwu, A., Daneshmand, M., Anwer, et al
  ELSEVIER SCIENCE INC.2026: 62
- **Association of Controlled Moderate Hypothermic Donor Heart Preservation with Subsequent Allograft Rejection and Non-Invasive Surveillance Testing**
  Khush, K., DeVore, A., Schroder, J., Uriel, N., Takeda, K., Urban, M., Rodrigo, M., D'Alessandro, D., Zuckermann, A., Shudo, Y., Teuteberg, J.
  ELSEVIER SCIENCE INC.2026: 130
- **Outcomes with Extended Criteria Donor Hearts When Preserved at 4-8°C Compared to Normothermic Preservation**
  Schroder, J., Urban, M., Couper, G., DeVore, A., Lerman, J., Goldstein, D., Madan, S., Klein, L., Shudo, Y., Silvestry, S., D'Alessandro., D.
  ELSEVIER SCIENCE INC.2026: 297-298
- **Hypothermic Oxygenated Perfusion of Extended-Criteria Donor Hearts in Human Transplantation (PRESERVE): A Prospective, Multi-Center, Single-Arm, Open-Label Study**
  Pretorius, V., Ardehali, A., Daneshmand, M., Urban, M., Takeda, K., Schroder, J., Peltz, M., Bryner, B., Esmailian, F., Kearns, M., Shudo, Y., Pal, J., Moazami, et al
  ELSEVIER SCIENCE INC.2026: 7
- **Assessing Donor Obesity in Donation After Circulatory Death Heart Transplantation: TransMedics® Organ Care System Heart Perfusion (OHP) Registry Analysis**
  Schaffer, E., Potel, K., Nguyen, S., Weiner, B., D'Alessandro, D., Anyanwu, A., Loebe, M., Lozonschi, L., Meyer, D., Schroder, J., Shudo, Y., Skipper, E., Sareyyupoglu, et al
  ELSEVIER SCIENCE INC.2026: 304-305
- **Analysis of Donor-Derived Cell-Free DNA Value and Risk of Infection After Heart Transplant**
  Henricksen, E., Pak, J., Subramanian, A., Dieringer, T., Torres, M., Demir, K., Padilla, C., Teuteberg, J., Hanson, P., Lee, R., Le, T., Vu, A., Skoda, et al
  ELSEVIER SCIENCE INC.2026: 669-670
- **Dual-Positive Molecular Surveillance and Post-Transplant Outcomes in Heart Transplant Recipients**
  Unni, A., Henricksen, E., Shudo, Y., Skoda, A., Pak, J., Teuteberg, J., Khush, K.

ELSEVIER SCIENCE INC.2026: 621-622

- **Impact of Low Donor/Recipient Predicted Heart Mass Ratio on PGD and Survival: A Report from the Organ Heart Perfusion Registry**
  Farr, M., Schroder, J., D'Alessandro, D., Anyanwu, A., Pal, J., Villavicencio, M., Shudo, Y., Sareyyupoglu, B., Patel, P., Couper, G., Lozonschi, L., Kai, M., Anwer, et al
  ELSEVIER SCIENCE INC.2026: 749-750

- **Association of Non-English Language Proficiency Status with Heart Transplant Recipient Outcomes**
  McMullen, H., Henricksen, E., Khush, K., Teuteberg, J., Moayedi, Y., Pak, J., Subramanian, A., Dieringer, T., Zimmet, A., Padilla, C., Martin, B., Shudo, Y.
  ELSEVIER SCIENCE INC.2026: 449

- **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

- **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

- **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

- **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

- **7Improved 2-year Heart Transplant Survival with Moderate Hypothermic Donor Heart Preservation in the GUARDIAN Heart Registry.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Silvestry, S., Meyer, D. M., Pham, S. M., Jacobs, J. P., Shudo, Y., Schroder, J., Leacche, M., Sciortino, C. M., Rodrigo, M. E., Takeda, K., Couper, G., Kawabori, M., Mahesh, 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

- **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
  2025: e040616

- **Simultaneous heart-kidney transplantation outcomes in Asian populations in the United States: A united network for organ sharing database study.** *JHLT open*
  Yajima, S., He, H., Elde, S., Zhu, Y., Woo, Y. J., Shudo, Y.
  2025; 10: 100364

- **Rapid manufacturing of angiogenic cellular collagen patches for ischemic cardiomyopathy.** *Stem cells translational medicine*

Pfrender, E., Kim, S., Farag, J. A., Yajima, S., Kawai, Y., Kawago, K., Syed, U., Ikeda, G., Ueyama, T., Takashima, H., Dalal, A., Zhu, Y., Ichimura, et al

2025; 14 (9)

- **Safety and 1-Year Outcomes After Transplanting Hearts From SARS-CoV-2 Positive Donors: Insights From an International Analysis.** *Immunity, inflammation and disease*

  Guenther, S. P., Wadewitz, J., Wayda, B. J., Fox, H., Cheaban, R., Shudo, Y., Hiesinger, W., Costard-Jäckle, A., Morshuis, M., Woo, Y. J., Teuteberg, J. J., Schramm, R., Rahmel, et al

  2025; 13 (9): e70252

- **Does Preservation Strategy Modify Sex-Specific Risk of Severe Primary Graft Dysfunction After Heart Transplantation: A GUARDIAN-Heart Analysis**

  Defilippis, E. M., Rodrigo, M., Loyaga-Rendon, R. Y., Shudo, Y., D'Alessandro, D., Fiedler, A.

  ELSEVIER SCIENCE INC.2025

- **Over 1,000 Heart Transplants Using Donation After Circulator Death (DCD) Donors: Real-World Experience with the Organ Care System (OCS) Heart**

  Shudo, Y., D'Alessandro, D. A., Anyanwu, A., Patel, P., Sareyyupo-glu, B., Takeda, K., Couper, G. S., Skipper, E., Esmailian, F., Peltz, M., Anwer, M., Pham, D., Pretorius, et al

  ELSEVIER SCIENCE INC.2025

- **Corrigendum to Ex vivo lung perfusion of pediatric lungs for adult recipients [JTCVS Techniques, Volume 29, 2025].** *JTCVS techniques*

  Krishnan, A., Fawad, M. M., Elde, S., Shah, V. K., Shudo, Y., Dhillon, G., MacArthur, J. W., Ruaengsri, C., Woo, Y. J., Guenthart, B. A.

  2025; 32: 229

- **Sex Differences in Risk for Severe Primary Graft Dysfunction After Heart Transplantation: A GUARDIAN-Heart Analysis**

  DeFilippis, E. M., Rodrigo, M., Loyaga-Rendon, R. Y., Shudo, Y., D'Alessandro, D., Fiedler, A.

  ELSEVIER SCIENCE INC.2025

- **Heart Transplantation from Donation After Circulatory Death Donors: Comparison of the OCS Heart and Non-OCS Methods**

  D'Alessandro, D., Schroder, J., Shudo, Y., Patel, P., Sareyyupoglu, B., Takeda, K., Couper, G., Skipper, E., Esmailian, F., Peltz, M., Anwer, M., Pham, D., Pretorius, et al

  ELSEVIER SCIENCE INC.2025

- **Comprehensive Analysis of Myocardial Reverse Remodeling Following HeartWare Ventricular Assist Device Implantation** *CLINICAL TRANSPLANTATION*

  Kawai, Y., Farag, J. A., Nishiga, M., Liu, Y., Kawago, K., Koyano, T. K., Fong, R., Bilbao, M., Hiesinger, W., Shin, H., Pfrender, E. M., Dalal, A., Pedroza, et al

  2025; 39 (8)

- **Which Donor and Recipient Risk Factors Matter in Heart Transplantation? Results From a Survey of 53 Centers Across Five Countries.** *Clinical transplantation*

  Guenther, S. P., Schramm, R., Teuteberg, J. J., Shudo, Y., Rogge, A. L., Schaeper, K. E., Fox, H., Hoepner, L., Ruaengsri, C., Costard-Jaeckle, A., Hiesinger, W., Woo, Y. J., Morshuis, et al

  2025; 39 (6): e70214

- **Impact of Final Cardioplegia Flush, Del Nido vs Histidine-TryptophanKetoglutarate Solution on OCS Heart Transplant Outcomes: Analysis of OCS Heart Perfusion Registry**

  Ohira, S., D'Alessandro, D., Villavicencio, M., Gruber, P., Daneshmand, M., Shudo, Y., Goldstein, D., Pham, S., Couper, G., Klein, L., Shah, A., Lozonschi, L., Esmailian, et al

  ELSEVIER SCIENCE INC.2025

- **Organ Care System Heart Perfusion (OHP) Registry Annual Report 2024-Donation After Circulatory Death (DCD) Donors**

  Anyanwu, A. C., D'Alessandro, D., Patel, P., Shudo, Y., Daneshmand, M., Chan, J., Couper, G., Esmailian, F., Peltz, M., Itoh, A., Takeda, K., Malyala, R., Lozonschi, et al

  ELSEVIER SCIENCE INC.2025

- **Use of Organ Care System (OCS) Heart with Longer Perfusion Provides Effective Cardiac Protection**

  Couper, G., Shudo, Y., D'Alessandro, D., Patel, P., Daneshmand, M., Chan, J., Schroder, J., Anyanwu, A., Shah, A., Itoh, A., Skipper, E., Esmailian, F., Lozonschi, et al

  ELSEVIER SCIENCE INC.2025

- **Development and Protocolization of Cardiovascular (CV) Codes, Enhanced System-Based Practices, and Standardized Surgical Techniques at a Tertiary Referral Center to Improve Post-Arrest Outcomes**
  Choi, A. Y., Simmons, J., Wingo, M., Vargas, N., Ashrafi, R., Duda, M. M., Krishnan, A., Elde, S., Fawad, M., Shudo, Y., MacArthur, J. W., Hiesinger, W., Woo, et al
  ELSEVIER SCIENCE INC.2025

- **Multiorgan Transplantation for Adult Congenital Heart Disease**
  Heng, E. E., Krishnan, A., Elde, S., Fawad, M., Mullis, D., Aranda-Michel, E., Shou, B., Alnasir, D., Garrison, A., Ruaengsri, C., Shudo, Y., Guenthart, B., Woo, et al
  ELSEVIER SCIENCE INC.2025

- **Global Outcomes with Extended Criteria Donors When Preserved at 4-8°C: An Updated Analysis of the International GUARDIAN Heart Registry**
  Moayedifar, R., Esteve, A., Shudo, Y., Kawabori, M., Venkateswaran, R., Silvestry, S., Schroder, J., Maechler, H., Meyer, D., Bustamante-Munguira, J., D'Alessandro, D., Zuckermann, A.
  ELSEVIER SCIENCE INC.2025

- **Beating Heart Transplant Technique in Donation After Circulatory Death (DCD) Heart Transplantation: A Propensity Matched Analysis of the National Transplant Registry**
  Choi, A. Y., Kapula, N., He, H., Krishnan, A., Ruaengsri, C., Henricksen, E., Elde, S., Fawad, M., Teuteberg, J., Khush, K., Luikart, H., Shudo, Y., MacArthur, et al
  ELSEVIER SCIENCE INC.2025

- **Extended Criteria Donor Hearts Are Associated with Higher Mortality Compared to Circulatory Death Donor Hearts**
  Krishnan, A., Heng, E., Fawad, M., Choi, A., Elde, S., Shou, B., Aranda-Michel, E., Garrison, A., Alnasir, D., Berg, A. R., Ruaengsri, C., Shudo, Y., Guenthart, et al
  ELSEVIER SCIENCE INC.2025

- **Clinical Outcomes With Normothermic Pulsatile Organ Perfusion in Heart Transplantation: A Report From the OCS Heart Perfusion Registry.** *Circulation*
  Stehlik, J., Farr, M. A., Mehra, M. R., Schroder, J. N., D'Alessandro, D. A., Pal, J. D., Villavicencio, M. A., Gruber, P. J., Couper, G. S., Shudo, Y., Patel, P. C., Daneshmand, M. A., Klein, et al
  2025

- **An axis-specific mitral annuloplasty ring eliminates mitral regurgitation allowing mitral annular motion in an ovine model.** *Communications medicine*
  Zhu, Y., Imbrie-Moore, A. M., Park, M. H., Cork, T. E., Yajima, S., Wilkerson, R. J., Tran, N. A., Marin-Cuartas, M., Mullis, D. M., Baker, S. W., Tada, Y., Ueyama, T., Leipzig, et al
  2025; 5 (1): 40

- **Stromal cell-derived factor-encapsulated nanoparticles target ischemic myocardium and attenuate myocardial injury via proangiogenic effects.** *Biomaterials*
  Yajima, S., Lee, S. H., Yang, J., Vergel, M. D., Manna, M. K., Kusadokoro, S., Zhu, Y., Elde, S., Mullis, D. M., Venkatesh, A., Ethiraj, S., Ueyama, T., Takashima, et al
  2025; 318: 123167

- **Ex vivo lung perfusion of pediatric lungs for adult recipients.** *JTCVS techniques*
  Krishnan, A., Fawad, M. M., Elde, S., Shah, V. K., Shudo, Y., Dhillon, G., MacArthur, J. W., Ruaengsri, C., Woo, Y. J., Guenthart, B. A.
  2025; 29: 189-192

- **Ex vivo lung perfusion of pediatric lungs for adult recipients** *JTCVS TECHNIQUES*
  Krishnan, A., Fawad, M. M., Elde, S., Shah, V. K., Shudo, Y., Dhillon, G., Macarthur, J. W., Ruaengsri, C., Woo, Y., Guenthart, B. A., Guenthart, B. A.
  2025; 29: 189-192

- **Redefining Primary Graft Dysfunction: Toward a Consensus in the New Era of Heart Transplantation.** *Transplantation*
  Leon, M., Shudo, Y.
  2025

- **Surgical explantation of transcatheter heart valves: A single institution experience.** *JTCVS structural and endovascular*
  Heng, E. E., Krishnan, A., Kim, J. L., Garrison, A. C., Alnasir, D., Shudo, Y., Boyd, J. H., Lee, A. M., Hiesinger, W., Woo, Y. J., Fischbein, M. P., Macarthur, J. W.

2024; 3: 100027

- **Harnessing the Power of ChatGPT in Cardiovascular Medicine: Innovations, Challenges, and Future Directions.** *Journal of clinical medicine*
  Leon, M., Ruaengsri, C., Pelletier, G., Bethencourt, D., Shibata, M., Flores, M. Q., Shudo, Y.
  2024; 13 (21)

- **Extracorporeal membrane oxygenation as a bridge to thoracic multiorgan transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Heng, E. E., Krishnan, A., Elde, S., Garrison, A., Fawad, M., Ruaengsri, C., Shudo, Y., Guenthart, B. A., Joseph Woo, Y., MacArthur, J. W.
  2024

- **Heart-Liver Transplantation Utilizing the En Bloc Technique: A Single-Center Experience Over Two Decades.** *The Journal of thoracic and cardiovascular surgery*
  Mullis, D. M., Garrison, A., Heng, E., Zhu, Y., Elde, S., Nilkant, R., Boyd, J., Hiesinger, W., Lee, A., Shudo, Y., Gallo, A., Bonham, C. A., Woo, et al
  2024

- **Survival, Function, and Immune Profiling after Beating Heart Transplantation.** *The Journal of thoracic and cardiovascular surgery*
  Krishnan, A., Elde, S., Ruaengsri, C., Guenthart, B. A., Zhu, Y., Fawad, M., Lee, A., Currie, M., Ma, M. R., Hiesinger, W., Shudo, Y., MacArthur, J. W., Woo, et al
  2024

- **3D Imaging Reveals Complex Microvascular Remodeling in the Right Ventricle in Pulmonary Hypertension.** *Circulation research*
  Ichimura, K., Boehm, M., Andruska, A. M., Zhang, F., Schimmel, K., Bonham, S., Kabiri, A., Kheyfets, V. O., Ichimura, S., Reddy, S., Mao, Y., Zhang, T., Wang, et al
  2024

- **Optimizing Donor Heart Utilization Amidst Organ Shortage: Feasibility of Using Hearts Post-Long CPR.** *The Annals of thoracic surgery*
  Leon, M., Shudo, Y.
  2024

- **Impact of C-reactive Protein on Anticoagulation Monitoring in Extracorporeal Membrane Oxygenation.** *Journal of cardiothoracic and vascular anesthesia*
  Madhok, J., O'Donnell, C., Jin, J., Owyang, C. G., Weimer, J. M., Pashun, R. A., Shudo, Y., McNulty, J., Chadwick, B., Ruoss, S. J., Rao, V. K., Zehnder, J. L., Hsu, et al
  2024

- **Eliminating Ischemia: Sustaining Cardiac Function During Donor Procurement**
  Fawad, M., Zhu, Y., Elde, S., Krishnan, A., McNulty, J., Chadwick, B., Wang, Y., Lu, C., Massey, M., Trope, W., Simmons, J., Lee, S., Stark, et al
  ELSEVIER SCIENCE INC.2024: S158

- **ECMO as a Bridge to Thoracic Multi-Organ Transplantation**
  Heng, E. E., Krishnan, A., Elde, S., Garrison, A., Fawad, M., Ruaengsri, C., Shudo, Y., Guenthart, B. A., Woo, J., MacArthur, J. W.
  ELSEVIER SCIENCE INC.2024: S29-S30

- **Impact of Total Allograft Ischemic Time on Heart-Lung Transplantation Outcomes in the United States**
  Zhu, Y., He, H., Woo, Y., Shudo, Y.
  ELSEVIER SCIENCE INC.2024: S444

- **An Ocean of Difference? Donor and Recipient Risk Factor Perception from a Cross-National Survey**
  Guenther, S. P., Khush, K. K., Hoepner, L., Schaeper, K., Fox, H., Hiesinger, W., Shudo, Y., Morshuis, M., Woo, J., Teuteberg, J., Gummert, J. F., Schramm, R., Wayda, et al
  ELSEVIER SCIENCE INC.2024: S220

- **Organ Care System Heart Perfusion (OHP) Registry Annual Report Donation After Circulatory Death Heart Transplant Outcomes**
  Daneshmand, M. A., Schroder, J., D'Alessandro, D., Pham, S., Lozonschi, L., Couper, G., Shah, A., Pal, J., Klein, L., Esmailian, F., Davis, R., Villavicencio, M., Shaffer, et al
  ELSEVIER SCIENCE INC.2024: S123-S124

- **Use of Hearts from SARS-CoV-2 Positive Donors for Transplantation: An Analysis of Trends, Provider Perceptions, Safety, and Outcomes**
  Guenther, S. P., Wadewitz, J., Wayda, B. J., Rogge, A., Fox, H., Costard-Jaeckle, A., Shudo, Y., Hiesinger, W., Morshuis, M., Woo, J., Teuteberg, J., Schramm, R., Gummert, et al

ELSEVIER SCIENCE INC.2024: S233-S234

- **Mobile Thermoelectric Cooler for 10 °C Lung Preservation**
  Fawad, M., Massey, M., Lu, C., Krishnan, A., Elde, S., Trope, W., Wang, Y., Simmons, J., Stark, C., Cywinska, G., MacArthur, J., Shudo, Y., Ruaengsri, et al
  ELSEVIER SCIENCE INC.2024: S275

- **Dot Your I's and Check Your T's? Impact of Various T Cell Monitoring Methods on Heart Transplant Outcomes**
  Henricksen, E., Khush, K., Lee, R., Intieri, T., Luikart, H., Kim, D., Skoda, A., Subramanian, A., Wayda, B., Zhang, M. B., Imai, R., Le, T., Wang, et al
  ELSEVIER SCIENCE INC.2024: S103-S104

- **Organ Care System Heart Perfusion (OHP) Registry Annual Report - DBD Heart Transplants Clinical Outcomes**
  Villavicencio, M., Klein, L., Schroder, J., Couper, G., Ohira, S., Davis, R., Haft, J., Pham, S., Daneshmand, M., Pham, D., D'Alessandro, D., Sun, B., Goldstein, et al
  ELSEVIER SCIENCE INC.2024: S159-S160

- **Cutting to the Bone: Impact of Redo Sternotomy on Outcome of Adult Heart Transplant**
  Hoang, J. D., Henricksen, E. J., Varshney, A., Sanchez, M., Chen, C., Castillo, F., Koyano, T., Teuteberg, J., Khush, K., Luikart, H., Subramanian, A., Moayedi, Y., Tayyar, et al
  ELSEVIER SCIENCE INC.2024: S571-S572

- **Improved Post-Transplant Outcomes in Blood Group O Recipients Through Controlled Hypothermic Preservation**
  Rodrigo, M., Silvestry, S., Shudo, Y., Schroder, J., Vidic, A., Takeda, K., Meyer, D., D'Alessandro, D.
  ELSEVIER SCIENCE INC.2024: S568

- **Improved 2-Year Heart Transplant Survival with Moderate Hypothermic Donor Heart Preservation in the Guardian Heart Registry**
  Silvestry, S., Meyer, D., Pham, S., Jacobs, J. P., Shudo, Y., Schroder, J., Leacche, M., Sciortino, C., Copeland, H., Rodrigo, M. E., Takeda, K., Kawabori, M., Mahesh, et al
  ELSEVIER SCIENCE INC.2024: S67-S68

- **Real-World Clinical Outcomes of DCD Heart Transplantation from the OCS Heart Perfusion (OHP) Registry: Benchmarking to Other Preservation Methods**
  Milano, C., Schroder, J., Daneshmand, M., D'Alessandro, D., Pham, S., Couper, G., Shah, A., Pal, J., Klein, L., Esmailian, F., Davis, R., Villavicencio, M., Shaffer, et al
  ELSEVIER SCIENCE INC.2024: S12-S13

- **Failure to Rescue in Heart Lung Transplantation: Progress Over 30 Years**
  Heng, E. E., Elde, S., Krishnan, A., Garrison, A., Fawad, M., Ruaengsri, C., Shudo, Y., Guenthart, B. A., Woo, J., MacArthur, J. W.
  ELSEVIER SCIENCE INC.2024: S264

- **Reduced Risk of Cardiovascular-Related Death Associated with Moderate Hypothermic Donor Heart Preservation in the Guardian Heart Registry**
  Zuckermann, A., Boston, U., Esteve, A., Jacobs, J. P., Pham, S., Takeda, K., Kawabori, M., Shudo, Y., Vidic, A., Leacche, M., Rodrigo, M., Meyer, D., Venkateswaran, et al
  ELSEVIER SCIENCE INC.2024: S157-S158

- **Impact of Controlled Hypothermic Preservation on Outcomes Following Heart Transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  D'Alessandro, D., Schroder, J., Meyer, D. M., Vidic, A., Shudo, Y., Silvestry, S., Leacche, M., Sciortino, C. M., Rodrigo, M., Pham, S. M., Copeland, H., Jacobs, J. P., Kawabori, et al
  2024

- **Beating Heart Transplant Procedures Using Organs From Donors With Circulatory Death.** *JAMA network open*
  Krishnan, A., Ruaengsri, C., Guenthart, B. A., Shudo, Y., Wang, H., Ma, M. R., MacArthur, J. W., Hiesinger, W., Woo, Y. J.
  2024; 7 (3): e241828

- **Increasing Utilization of Extended Criteria Donor Hearts for Transplantation** *JACC-HEART FAILURE*
  Schroder, J. N., Patel, C. B., DeVore, A. D., Casalinova, S., Koomalsingh, K. J., Shah, A. S., Anyanwu, A. C., DAlessandro, D. A., Mudy, K., Sun, B., Strueber, M., Khaghani, A., Shudo, et al
  2024; 12 (3): 438-447

- **Four Decades of Progress in Heart-Lung Transplantation: 271 Cases at a Single Institution.** *The Journal of thoracic and cardiovascular surgery*
  Elde, S., Baccouche, B. M., Mullis, D. M., Leipzig, M. M., Deuse, T., Krishnan, A., Fawad, M., Dale, R., Walsh, S., Padilla-Lopez, A., Wesley, B., He, H., Yajima, et al
  2024

- **Outcomes in Heart Transplant Recipients by Bridge to Transplant Strategy When Using the SherpaPak Cardiac Transport System.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*
  Silvestry, S., Leacche, M., Meyer, D. M., Shudo, Y., Kawabori, M., Mahesh, B., Zuckermann, A., D'Alessandro, D., Schroder, J.
  2024

- **Increasing Utilization of Extended Criteria Donor Hearts for Transplantation: The OCS Heart EXPAND Trial.** *JACC. Heart failure*
  Schroder, J. N., Patel, C. B., DeVore, A. D., Casalinova, S., Koomalsingh, K. J., Shah, A. S., Anyanwu, A. C., D'Alessandro, D. A., Mudy, K., Sun, B., Strueber, M., Khaghani, A., Shudo, et al
  2024

- **Risk Of Rv Dysfunction Following Heart Transplantation: Donor Organ Temperature Matters!**
  Uriel, N., Teuteberg, J., Silvestry, S., Leacche, M., Schroder, J., Shudo, Y., Meyer, D., Kawabori, M., Takeda, K., Jacoski, M., D'Alessandro, D., Devore, A.
  CHURCHILL LIVINGSTONE INC MEDICAL PUBLISHERS.2024: 136

- **Recipient Outcomes with Extended Criteria Donors Using Advanced Heart Preservation: An Analysis of the GUARDIAN Heart Registry.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Moayedifar, R., Shudo, Y., Kawabori, M., Silvestry, S., Schroder, J., Meyer, D. M., Jacobs, J. P., D'Alessandro, D., Zuckermann, A.
  2023

- **A Paradigm Shift in Heart Preservation: Improved Post-transplant Outcomes in Recipients of Donor Hearts Preserved with the SherpaPak System.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*
  Shudo, Y., Leacche, M., Copeland, H., Silvestry, S., Pham, S. M., Molina, E., Schroder, J. N., Sciortino, C. M., Jacobs, J. P., Kawabori, M., Meyer, D. M., Zuckermann, A., D'Alessandro, et al
  2023

- **Case report: Heart retransplant from a donor after circulatory death and extended transport period with normothermic perfusion.** *Frontiers in cardiovascular medicine*
  Kasinpila, P., Ruaengsri, C., Koyano, T., Shudo, Y.
  2023; 10: 1212886

- **Outcomes of Patients Undergoing Combined Heart-Kidney Transplantation With or Without Prior Ventricular Assist Device.** *Transplantation proceedings*
  Currie, M., Leipzig, M., Kaghazchi, A., Zhu, Y., Shudo, Y., Woo, Y. J.
  2023

- **Transplantation Outcomes with Donor Hearts after Circulatory Death.** *The New England journal of medicine*
  Schroder, J. N., Patel, C. B., DeVore, A. D., Bryner, B. S., Casalinova, S., Shah, A., Smith, J. W., Fiedler, A. G., Daneshmand, M., Silvestry, S., Geirsson, A., Pretorius, V., Joyce, et al
  2023; 388 (23): 2121-2131

- **First-in-human beating-heart transplant.** *JTCVS techniques*
  Krishnan, A., Kasinpila, P., Wang, H., Ruaengsri, C., Shudo, Y., Jackson, E., Woo, Y. J.
  2023; 19: 80-85

- **World's first en bloc heart-lung transplantation using the paragonix lungguard donor preservation system.** *Journal of cardiothoracic surgery*
  Neto, D., Guenthart, B., Shudo, Y., Currie, M. E.
  2023; 18 (1): 131

- **Validating the 2014 Consensus Primary Graft Definition: An Analysis on the 1,056 Patients from the Multi-Center Guardian Registry**
  Zuckermann, A., Jacobs, J. P., Shudo, Y., Meyer, D., Silvestry, S., Leacche, M., Sciortino, C., Rodrigo, M., Pham, S., Takeda, K., Copeland, H., Vidic, A., Kawabori, et al
  ELSEVIER SCIENCE INC.2023: S72-S73

- **Results from over 800 Transplant Recipients Enrolled in the Guardian Heart Registry**

D'Alessandro, D., Shudo, Y., Meyer, D., Silvestry, S., Leacche, M., Sciortino, C., Rodrigo, M., Pham, S. M., Jacobs, J. P., Takeda, K., Copeland, H., Vidic, A., Kawabori, et al

ELSEVIER SCIENCE INC.2023: S63-S64

- **Can Controlled Hypothermic Preservation Provide Clinical Benefits in the Setting of Shorter Ischemic Times Prior to Heart Transplant**

  Meyer, D., Shudo, Y., Schroder, J., D'Alessandro, D., Silvestry, S., Sciortino, C., Pham, S. M., Rodrigo, M., Jacobs, J. P., Kawabori, M., Takeda, K., Leacche, M.

  ELSEVIER SCIENCE INC.2023: S189

- **Improved Outcomes in Older Recipients Undergoing Transplant Using the Sherpapak System: A Subgroup Analysis of the Guardian Heart Registry**

  Copeland, H., Leacche, M., D'Alessandro, D., Sciortino, C., Schroder, J., Pham, S. M., Rodrigo, M., Silvestry, S., Kawabori, M., Shudo, Y., Meyer, D.

  ELSEVIER SCIENCE INC.2023: S288

- **How Long Can We Go? Redefining the Upper Limit of Ischemic Times for Hypothermic Donor Heart Preservation**

  Takeda, K., Silvestry, S., Schroder, J., D'Alessandro, D., Leacche, M., Sciortino, C., Pham, S. M., Vidic, A., Meyer, D., Kawabori, M., Shudo, Y.

  ELSEVIER SCIENCE INC.2023: S278

- **Leveraging Advanced Hypothermic Preservation to Achieve Transplant Program Goals**

  Schroder, J., Leacche, M., Sciortino, C., Shudo, Y., Rodrigo, M., Meyer, D., Kawabori, M., D'Alessandro, D.

  ELSEVIER SCIENCE INC.2023: S185

- **Outcomes in Children and Young Adults with Congenital Heart Disease Undergoing Transplant: A Subgroup Analysis of the Guardian Heart Registry**

  Boston, U., Zuckermann, A., Stukov, Y., Schroder, J., Shudo, Y., Bustamante-Munguira, J., Leacche, M., Silvestry, S., Kawabori, M., Takeda, K., Jacobs, J. P.

  ELSEVIER SCIENCE INC.2023: S268

- **Successful Heart Transplantation Using a Portable Normothermic Ex-Vivo Donor Heart Preservation System for Extended Criteria Donor after Circulatory Death: A Case Series with Extended Perfusion Times**

  Ruaengsri, C., Shudo, Y., Malki, A., Neto, D., Chen, R., Bethencourt, D., Hiesinger, W., MacArthur, J., Currie, M., Boyd, J., Guenthart, B., Lee, A., Woo, et al

  ELSEVIER SCIENCE INC.2023: S467-S468

- **Recipient Outcomes with Extended Criteria Donors: An Analysis of the Guardian Heart Registry**

  Moayedifar, R., Shudo, Y., Kawabori, M., Silvestry, S., Schroder, J., Meyer, D., D'Alessandro, D., Zuckermann, A.

  ELSEVIER SCIENCE INC.2023: S31-S32

- **Intracellular Cardiac Preservation Solution May Have Superior Clinical Outcomes to Extracellular Solution for Adult Heart Transplantation**

  Chen, R. J., Ruaengsri, C., He, H., Shudo, Y., Neto, D., Malki, A., Bethencourt, D. M., Theodore, P. R., Woo, J.

  ELSEVIER SCIENCE INC.2023: S119

- **Revised Heart Allocation Policy Improved Waitlist Mortality and Waiting Time With Maintained Outcomes in En-Bloc Heart-Lung Transplant Candidates and Recipients.** *Transplant international : official journal of the European Society for Organ Transplantation*

  Shudo, Y., He, H., Elde, S., Woo, Y. J.

  2023; 36: 11956

- **IMPACT OF C-REACTIVE PROTEIN ON ANTICOAGULATION MONITORING IN EXTRACORPOREAL MEMBRANE OXYGENATION**

  Madhok, J., ODonnell, C., Jin, J., Owyang, C., Weimer, J., Pashun, R., Shudo, Y., McNulty, J., Chadwick, B., Ruoss, S., Rao, V., Zehnder, J., Hsu, et al

  LIPPINCOTT WILLIAMS & WILKINS.2023: 54

- **Outcomes of Heart Transplantation Using a Temperature-controlled Hypothermic Storage System.** *Transplantation*

  Zhu, Y., Shudo, Y., He, H., Kim, J. Y., Elde, S., Williams, K. M., Walsh, S. K., Koyano, T. K., Guenthart, B., Woo, Y. J.

  2022

- **Multicenter Registry Using Propensity Score Analysis to Compare a Novel Transport/Preservation System to Traditional Means on Postoperative Hospital Outcomes and Costs for Heart Transplant Patients.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*

  Voigt, J. D., Leacche, M., Copeland, H., Wolfe, S. B., Pham, S. M., Shudo, Y., Molina, E., Jacobs, J. P., Stukov, Y., Meyer, D., Philpott, J., Kawabori, M., Schroder, et al

2022

- **Angiogenic stem cell delivery platform to augment post-infarction neovasculature and reverse ventricular remodeling.** *Scientific reports*
  Shin, H. S., Thakore, A., Tada, Y., Pedroza, A. J., Ikeda, G., Chen, I. Y., Chan, D., Jaatinen, K. J., Yajima, S., Pfrender, E. M., Kawamura, M., Yang, P. C., Wu, et al
  2022; 12 (1): 17605

- **A value-based approach to optimize red blood cell transfusion in patients receiving extracorporeal membrane oxygenation.** *Perfusion*
  Shudo, Y., Cheng, N., He, H., Rosenberg, C., Hiesinger, W., Hadhazy, E., Shepard, J., Krishna, P., Resnik, J., Fong, R., Hill, C., Hsu, J. L., Maggio, et al
  2022: 2676591221128138

- **Combined Heart-Lung Transplantation Outcomes in Asian Populations: National Database Analysis.** *JACC. Asia*
  Shudo, Y., Leipzig, M., He, H., Ingle, S. M., Bhatt, R. H., Shin, H., Woo, Y. J.
  2022; 2 (4): 504-512

- **Combining donor derived cell free DNA and gene expression profiling for non-invasive surveillance after heart transplantation.** *Clinical transplantation*
  Henricksen, E. J., Moayedi, Y., Purewal, S., Twiggs, J. V., Waddell, K., Luikart, H., Han, J., Feng, K., Wayda, B., Lee, R., Shudo, Y., Jimenez, S., Khush, et al
  2022: e14699

- **Exvivo aortic valve replacement before orthotopic heart transplantation.** *JTCVS techniques*
  Elde, S. F., Guenthart, B. A., Shudo, Y., Woo, Y. J.
  2022; 12: 118-120

- **Keep Your Cool! One Year Outcomes with Use of a Hypothermic Preservation System Compared to Standard Storage with Ice During Heart Procurement**
  Teuteberg, J., Henricksen, E., Khush, K., Kim, D. T., Moayedi, Y., Luikart, H., Wainwright, R., Woo, J. Y., Hiesinger, W., Koyano, T., Shudo, Y.
  ELSEVIER SCIENCE INC.2022: S201

- **Expanding Heart Transplants from Donors After Circulatory Death (DCD) - Results of the First Randomized Controlled Trial Using the Organ Care System (OCS (TM)) Heart - (OCS DCD Heart Trial)**
  Schroder, J. N., Shah, A., Pretorius, V., Smith, J., Daneshmand, M., Geirsson, A., Pham, S., Um, J., Silvestry, S., Shaffer, A., Mudy, K., Kai, M., Joyce, et al
  ELSEVIER SCIENCE INC.2022: S72

- **Predicting Survival in Combined Heart-Liver Transplantation Compared to Heart Transplantation Alone**
  Currie, M. E., Rinewalt, D. E., Leipzig, M., Shudo, Y., Kaghazchi, A., Zhu, Y., Woo, Y. J.
  ELSEVIER SCIENCE INC.2022: S84-S85

- **Outcomes of Patients Undergoing Combined Heart-Kidney Transplantation with or without Prior Ventricular Assist Device**
  Currie, M. E., Leipzig, M., Kaghazchi, A., Shudo, Y., Woo, Y. J.
  ELSEVIER SCIENCE INC.2022: S85-S86

- **Increasing Utilization of Extended Criteria Donor After Brain Death (DBD) Hearts Seldomly Used for Transplantation in the US Due to Limitation of Ischemic Cold Storage-2-Year Results of the OCS Heart EXPAND Prospective Multi-Center Trial (OCS Heart EXPAND)**
  Schroder, N., Shah, A., Anyanwu, A., D'Alessandro, D., Streuber, M., Mudy, K., Shudo, Y., Esmailian, F., Liao, K., Pagani, F., Silvestry, S., Wang, I., Gananpathi, et al
  ELSEVIER SCIENCE INC.2022: S73

- **Second Report of the GUARDIAN Registry: An International Consortium Examining the Effect of Controlled Hypothermic Preservation in Heart Transplantation**
  Zuckermann, A., Leacche, M., Philpott, J., Pham, S., Shudo, Y., Bustamante-Munguira, J., Jacobs, J., Silvestry, S., Schroder, J., Eixeres-Esteve, A., Molina, E., Meyer, D., Kawabori, et al
  ELSEVIER SCIENCE INC.2022: S477

- **US Multi-Center Analysis of the Global Utilization and Registry Database for Improved Heart Preservation (GUARDIAN) Registry: 1-Year Transplant Survival Analysis**
  Leacche, M., Philpott, J., Pham, S., Shudo, Y., Kawabori, M., Jacobs, J., Silvestry, S., Schroder, J., Molina, E., Meyer, D., D'Alessandro., D.
  ELSEVIER SCIENCE INC.2022: S30-S31

- **Post-Transplant Extracorporeal Membrane Oxygenation for Severe Primary Graft Dysfunction to Support the Use of Marginal Donor Hearts.** *Transplant international : official journal of the European Society for Organ Transplantation*
  Shudo, Y., Alassar, A., Wang, H., Lingala, B., He, H., Zhu, Y., Hiesinger, W., MacArthur, J. W., Boyd, J. H., Lee, A. M., Currie, M., Woo, Y. J.
  2022; 35: 10176
- **Analysis of the revised heart allocation policy and the influence of increased mechanical circulatory support on survival.** *The Journal of thoracic and cardiovascular surgery*
  Elde, S., He, H., Lingala, B., Baiocchi, M., Wang, H., Hiesinger, W., MacArthur, J. W., Shudo, Y., Woo, Y. J.
  1800
- **Extended Static Hypothermic Preservation In Cardiac Transplantation: A Case Report.** *Transplantation proceedings*
  Guenthart, B. A., Krishnan, A., Koyano, T., La Francessca, S., Chan, J., Alassar, A., Macarthur, J. W., Shudo, Y., Hiesinger, W., Woo, Y. J.
  2021
- **The Stanford experience of heart transplantation over five decades.** *European heart journal*
  Zhu, Y., Lingala, B., Baiocchi, M., Toro Arana, V., Williams, K. M., Shudo, Y., Oyer, P. E., Woo, Y. J.
  2021
- **Patient-Specific Computational Fluid Dynamics Reveal Localized Flow Patterns Predictive of Post-Left Ventricular Assist Device Aortic Incompetence.** *Circulation. Heart failure*
  Shad, R., Kaiser, A. D., Kong, S., Fong, R., Quach, N., Bowles, C., Kasinpila, P., Shudo, Y., Teuteberg, J., Woo, Y. J., Marsden, A. L., Hiesinger, W.
  2021: CIRCHEARTFAILURE120008034
- **Extracorporeal Membrane Oxygenation Bridge to Heart-Lung Transplantation.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*
  Shudo, Y., Elde, S., Lingala, B., He, H., Casselman, K. G., Zhu, Y., Kasinpila, P., Woo, Y. J.
  2021
- **Long-term survival in patients with post-LVAD right ventricular failure: multi-state modelling with competing outcomes of heart transplant.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Shad, R., Fong, R., Quach, N., Bowles, C., Kasinpila, P., Li, M., Callon, K., Castro, M., Guha, A., Suarez, E. E., Lee, S., Jovinge, S., Boeve, et al
  2021
- **The impact of donor sex on heart transplantation outcomes-a study of over 60,000 patients in the United States.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Zhu, Y., Shudo, Y., Lingala, B., Joseph Woo, Y.
  2021
- **Combining Donor Derived Cell-Free DNA and Gene Expression Profiling for Non-Invasive Surveillance after Heart Transplantation**
  Henricksen, E. J., Purewal, S., Moayedi, Y., Waddell, K., Gordon, J., Morales, P., Luikart, H., Han, J., Feng, K. Y., Lee, R., Shudo, Y., Jimenez, S., Khush, et al
  ELSEVIER SCIENCE INC.2021: S43
- **Longest Storage Period with Static Hypothermic Preservation in Cardiac Transplantation: Initial Experience in the West Coast**
  Guenthart, B. A., Alassar, A., Koyano, T., La Francesca, S., Chan, J. L., Krishnan, A., MacArthur, J. W., Shudo, Y., Hiesinger, W., Woo, Y.
  ELSEVIER SCIENCE INC.2021: S471
- **Racial Disparities in Advanced Heart Failure Therapies: Are Outcomes the Correct Metric?**
  Bowles, C., Shad, R., Fong, R., Quach, N., Kasinpila, P., Lingala, B., Zhu, Y., MacArthur, J. W., Shudo, Y., Hiesinger, W.
  ELSEVIER SCIENCE INC.2021: S272
- **Operative Technique of Donor Organ Procurement for En Bloc Heart-Liver Transplantation.** *Transplantation*
  Elde, S. n., Brubaker, A. L., Than, P. A., Rinewalt, D. n., MacArthur, J. W., Alassar, A. n., Bonham, C. A., Esquivel, C. O., Shudo, Y. n., Concepcion, W. n., Woo, Y. J.
  2021
- **Current Status and Limitations of Myocardial Infarction Large Animal Models in Cardiovascular Translational Research.** *Frontiers in bioengineering and biotechnology*
  Shin, H. S., Shin, H. H., Shudo, Y.
  2021; 9: 673683

- **First lung and kidney multi-organ transplant following COVID-19 Infection.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Guenthart, B. A., Krishnan, A., Alassar, A., Madhok, J., Kakol, M., Miller, S., Cole, S. P., Rao, V. K., Acero, N. M., Hill, C. C., Cheung, C., Jackson, E. C., Feinstein, et al
  2021
- **Predicting post-operative right ventricular failure using video-based deep learning.** *Nature communications*
  Shad, R., Quach, N., Fong, R., Kasinpila, P., Bowles, C., Castro, M., Guha, A., Suarez, E. E., Jovinge, S., Lee, S., Boeve, T., Amsallem, M., Tang, et al
  2021; 12 (1): 5192
- **Donors after circulatory death heart trial.** *Future cardiology*
  Shudo, Y., Benjamin-Addy, R., Koyano, T. K., Hiesinger, W., MacArthur, J. W., Woo, Y. J.
  2020
- **Relation of Length of Survival After Orthotopic Heart Transplantation to Age of the Donor.** *The American journal of cardiology*
  Shudo, Y., Guenther, S. P., Lingala, B., He, H., Hiesinger, W., MacArthur, J. W., Currie, M. E., Lee, A. M., Boyd, J. H., Woo, Y. J.
  2020
- **Cardiac transplantation for cancer involving the heart.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Wingo, M., de Biasi, A. R., Shudo, Y., Bharathi, V., Blackburn, A., Gaudino, M., Girardi, L. N., Woo, Y. J.
  2020
- **The Impact of Donor Gender on Heart Transplantation Outcomes - A Study of over 60,000 Patients in the United States**
  Zhu, Y., Shudo, Y., Lingala, B., Elde, S., Woo, Y.
  ELSEVIER SCIENCE INC.2020: S42
- **Cardiac Transplantation for Cancer Involving the Heart: Results from 35 Years of Transplants from the ISHLT Registry**
  Wingo, M., de Biasi, A. R., Shudo, Y., Lingala, B., Gaudino, M., Girardi, L. N., Woo, Y. J.
  ELSEVIER SCIENCE INC.2020: S126
- **Are Two Tests Better Than One? Combining Donor Derived Cell-Free DNA and Gene Expression Profiling for Non-Invasive Surveillance after Heart Transplantation**
  Purewal, S., Moayedi, Y., Runeckles, K., Fan, C., Gordon, J., Henricksen, E. J., Oro, G., Shudo, Y., Khush, K. K., Teuteberg, J.
  ELSEVIER SCIENCE INC.2020: S71
- **A Decade of Single Center HeartWare (TM) HVAD (TM) Experience**
  Guenther, S. P., Fong, R., Abovwe, N., Shad, R., MacArthur, J. W., Teuteberg, J., Woo, Y., Shudo, Y., Hiesinger, W.
  ELSEVIER SCIENCE INC.2020: S339
- **Commentary: Accepting only over-sized donors for adult congenital heart disease-Is it being overcautious?** *The Journal of thoracic and cardiovascular surgery*
  Shudo, Y., Maeda, K.
  2020
- **Three-Dimensional Multi-layered Microstructure using Laser Direct-Writing System.** *Tissue engineering. Part A*
  Shudo, Y. n., MacArthur, J. W., Kunitomi, Y. n., Joubert, L. M., Kawamura, M. n., Ono, J. n., Thakore, A. D., Jaatinen, K. J., Eskandari, A. n., Hironaka, C. E., Shin, H. S., Woo, Y. J.
  2020
- **Operative Techniques and Pitfalls in Donor Bilateral Lung Procurement.** *Transplantation proceedings*
  Dalal, A. R., Rinewalt, D. E., MacArthur, J. W., Shudo, Y. n., Woo, Y. J.
  2020
- **In Vivo Validation of Restored Chordal Biomechanics After Mitral Ring Annuloplasty in a Rare Ovine Case of Natural Chronic Functional Mitral Regurgitation.** *Journal of cardiovascular development and disease*
  Wang, H. n., Paulsen, M. J., Imbrie-Moore, A. M., Tada, Y. n., Bergamasco, H. n., Baker, S. W., Shudo, Y. n., Ma, M. n., Woo, J. Y.
  2020; 7 (2)
- **Impact of Surgical Approach in Double Lung Transplantation: Median Sternotomy vs Clamshell Thoracotomy.** *Transplantation proceedings*

Shudo, Y. n., Rinewalt, D. n., Lingala, B. n., Kim, F. Y., He, H. n., Boyd, J. H., Lee, A. M., Hiesinger, W. n., Currie, M. E., MacArthur, J. W., Woo, Y. J.
2020

- **Long-term outcome of orthotopic heart transplantation in Asians: An analysis of the United Network of Organ Sharing database.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Kohsaka, S. n., Shudo, Y. n., Wang, H. n., Lingala, B. n., Kawana, M. n., Woo, Y. J.
  2020
- **Outcomes after heart retransplantation: A 50-year single-center experience.** *The Journal of thoracic and cardiovascular surgery*
  Zhu, Y. n., Shudo, Y. n., Lingala, B. n., Baiocchi, M. n., Oyer, P. E., Woo, Y. J.
  2020
- **Heart Transplant Using Hepatitis C-Seropositive and Viremic Organs in Seronegative Recipients.** *Annals of transplantation*
  Zhu, Y. n., Shudo, Y. n., Lee, R. n., Woo, Y. J.
  2020; 25: e922723
- **A Bioengineered Neuregulin-Hydrogel Therapy Reduces Scar Size and Enhances Post-Infarct Ventricular Contractility in an Ovine Large Animal Model.** *Journal of cardiovascular development and disease*
  Cohen, J. E., Goldstone, A. B., Wang, H. n., Purcell, B. P., Shudo, Y. n., MacArthur, J. W., Steele, A. N., Paulsen, M. J., Edwards, B. B., Aribeana, C. N., Cheung, N. C., Burdick, J. A., Woo, et al
  2020; 7 (4)
- **Multidisciplinary approach utilizing early, intensive physical rehabilitation to accelerate recovery from veno-venous extracorporeal membrane oxygenation** *EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY*
  Zhu, Y., Bankar, D., Shudo, Y., Woo, Y.
  2019; 56 (4): 811–12
- **Heart-lung transplantation with concomitant aortic arch reconstruction for Eisenmenger syndrome and type B interrupted aortic arch.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Wang, H., Shudo, Y., MacArthur, J. W., Woo, Y. J.
  2019
- **Cardioaortic replacement for a ruptured root pseudoaneurysm with pulsatile subcutaneous extension** *EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY*
  Wang, H., Shudo, Y., Hittinger, S. A., Woo, Y.
  2019; 56 (3): 615–17
- **A modified implantation technique for temporary right ventricular assist device: Enabling ambulation and less invasive decannulation.** *Journal of cardiac surgery*
  Rinewalt, D., Shudo, Y., MacArthur, J. W., Woo, Y. J., Hiesinger, W.
  2019
- **Comprehensive Analysis of Differential Expressed Genes Related with Myocardial Reverse Remodeling Following HeartWare Ventricular Assist Device Implantation**
  Shudo, Y., Jaatinen, K. J., NIshiga, M., Chen, I. Y., Greene, C. L., Koyano, T. K., Fong, R. W., Boyd, J. H., Lee, A. M., Hiesinger, W., Woo, J.
  ELSEVIER SCIENCE INC.2019: S244
- **Impact of Concomitant Valvular Surgery on Patients Undergoing LVAD Implantation**
  Mulumba, K. Y., Kasinpila, P., Fong, R., Kong, S., Hecker, L., Nissan, R., Banerjee, D., Teuteberg, J., Shudo, Y., Woo, Y., Hiesinger, W.
  ELSEVIER SCIENCE INC.2019: S72–S73
- **Comparison of Patients Undergoing Multiorgan Transplantation with or without Prior Ventricular Assist Device**
  Currie, M. E., Banerjee, D., Shudo, Y., Lingala, B., Zhu, Y., Haddad, F., Woo, J.
  ELSEVIER SCIENCE INC.2019: S216–S217
- **Impact of Surgical Approach in Double Lung Transplantation: Median Sternotomy Decreases Operative and Cardiopulmonary Bypass Time Compared to Clamshell Thoracotomy**
  Shudo, Y., Rinewalt, D., Lingala, B., Kim, F. Y., He, H., Boyd, J. H., Lee, A. M., Hiesinger, W., Currie, M. E., MacArthur, J. W., Woo, J.
  ELSEVIER SCIENCE INC.2019: S414
- **Successful Heart-Lung Transplant for a Patient on Continuous-Flow Left Ventricular Assist Device Support Complicated With Amiodarone-Induced Pulmonary Fibrosis** *TRANSPLANTATION PROCEEDINGS*

Currie, M. E., Shudo, Y., Mooney, J., Woo, Y. J.
2019; 51 (2): 593–94

- **The bicaval Wythenshawe technique in 2018-Reply to Dimarakis and Venkateswaran** *EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY*
  Shudo, Y., Wang, H., Woo, Y.
  2019; 55 (3): 596
- **Successful Heart-Lung Transplant for a Patient on Continuous-Flow Left Ventricular Assist Device Support Complicated With Amiodarone-Induced Pulmonary Fibrosis.** *Transplantation proceedings*
  Currie, M. E., Shudo, Y., Mooney, J., Woo, Y. J.
  2019; 51 (2): 593–94
- **Multidisciplinary approach utilizing early, intensive physical rehabilitation to accelerate recovery from veno-venous extracorporeal membrane oxygenation.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
  Zhu, Y., Bankar, D., Shudo, Y., Woo, Y. J.
  2019
- **Successful heart-lung-kidney and domino heart transplantation following veno-venous extracorporeal membrane oxygenation support** *INTERACTIVE CARDIOVASCULAR AND THORACIC SURGERY*
  Zhu, Y., Shudo, Y., Lee, A. M., Woo, Y.
  2019; 28 (2): 316–17
- **Impact of "increased-risk" donor hearts on transplant outcomes: A propensity-matched analysis** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Shudo, Y., Cohen, J. E., Lingala, B., He, H., Zhu, Y., Woo, Y.
  2019; 157 (2): 603–10
- **Heart-lung transplantation over the past 10 years: an up-to-date concept** *EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY*
  Shudo, Y., Kasinpila, P., Lingala, B., Kim, F. Y., Woo, Y.
  2019; 55 (2): 304–8
- **Impact of "increased-risk" donor hearts on transplant outcomes: A propensity-matched analysis.** *The Journal of thoracic and cardiovascular surgery*
  Shudo, Y., Cohen, J. E., Lingala, B., He, H., Zhu, Y., Woo, Y. J.
  2019; 157 (2): 603–10
- **Cardioaortic replacement for a ruptured root pseudoaneurysm with pulsatile subcutaneous extension.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
  Wang, H., Shudo, Y., Hittinger, S. A., Woo, Y. J.
  2019
- **Evaluation of Risk Factors for Heart-Lung Transplant Recipient Outcome: An Analysis of the United Network for Organ Sharing Database.** *Circulation*
  Shudo, Y. n., Wang, H. n., Lingala, B. n., He, H. n., Kim, F. Y., Hiesinger, W. n., Lee, A. M., Boyd, J. H., Currie, M. n., Woo, Y. J.
  2019; 140 (15): 1261–72
- **Physical therapy in successful venoarterial extracorporeal membrane oxygenation bridge to orthotopic heart transplantation.** *Journal of cardiac surgery*
  Rinewalt, D. n., Shudo, Y. n., Kawana, M. n., Woo, Y. J.
  2019
- **Successful orthotopic heart transplantation in a patient with Marfan syndrome.** *Journal of cardiac surgery*
  Ogawa, Y. n., Choi, C. W., Shudo, Y. n., Woo, Y. J.
  2019
- **mpact of Donor Obesity on Outcomes After Orthotopic Heart Transplantation** *JOURNAL OF THE AMERICAN HEART ASSOCIATION*
  Shudo, Y., Cohen, J. E., Lingala, B., He, H., Woo, Y.
  2018; 7 (23)
- **Impact of Donor Obesity on Outcomes After Orthotopic Heart Transplantation.** *Journal of the American Heart Association*

Shudo, Y., Cohen, J. E., Lingala, B., He, H., Woo, Y. J.
2018; 7 (23): e010253

- **Operative Techniques and Pitfalls in Donor Heart-Lung Procurement.** *Transplantation proceedings*
  Salna, M., Shudo, Y., Woo, Y. J.
  2018; 50 (10): 3111–12
- **Successful Outcome Following Orthotopic Heart Transplantation With a Donor Half Way Across The Country** *TRANSPLANTATION PROCEEDINGS*
  Currie, M. E., Shudo, Y., Woo, Y. J.
  2018; 50 (10): 4062–63
- **Operative Techniques and Pitfalls in Donor Heart-Lung Procurement** *TRANSPLANTATION PROCEEDINGS*
  Salna, M., Shudo, Y., Woo, Y. J.
  2018; 50 (10): 3111–12
- **Successful Outcome Following Orthotopic Heart Transplantation With a Donor Half Way Across The Country.** *Transplantation proceedings*
  Currie, M. E., Shudo, Y., Woo, Y. J.
  2018; 50 (10): 4062–63
- **50 Year Heart Transplantation Ultra Long-Term Outcomes - The Stanford Experience**
  Zhu Yuanjia, Shudo, Y., Lingala, B., Yasukawa, L., Loh, E., Oyer, P. E., Woo, Y. J.
  LIPPINCOTT WILLIAMS & WILKINS.2018
- **Planned Concomitant Left and Right Ventricular Assist Device Insertion to Avoid Long-term Biventricular Mechanical Support: Bridge to Right Ventricular Recovery.** *The heart surgery forum*
  Salna, M., Shudo, Y., Teuteberg, J. J., Banerjee, D., Ha, R. V., Woo, Y. J., Hiesinger, W.
  2018; 21 (5): E412–E414
- **Heart-lung transplantation over the past 10 years: an up-to-date concept.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
  Shudo, Y., Kasinpila, P., Lingala, B., Kim, F. Y., Woo, Y. J.
  2018
- **Ambulating femoral venoarterial extracorporeal membrane oxygenation bridge to heart-lung transplant** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Shudo, Y., Kasinpila, P., Lee, A. M., Rao, V. K., Woo, Y.
  2018; 156 (3): E135–E137
- **Reply to Dimarakis and Venkateswaran.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
  Shudo, Y., Wang, H., Woo, Y. J.
  2018
- **Successful heart-lung-kidney and domino heart transplantation following veno-venous extracorporeal membrane oxygenation support.** *Interactive cardiovascular and thoracic surgery*
  Zhu, Y., Shudo, Y., Lee, A. M., Woo, Y. J.
  2018
- **Prolonged veno-arterial extracorporeal life support for cardiac failure** *INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS*
  Guenther, S. P. W., Shudo, Y., Hiesinger, W., Banerjee, D.
  2018; 41 (8): 437–44
- **Heart transplant after profoundly extended ambulatory central venoarterial extracorporeal membrane oxygenation** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Shudo, Y., Wang, H., Ha, R. V., Hayes, A. D., Woo, Y.
  2018; 156 (1): E7–E9
- **Impact of load variations on systolic function of failed left ventricle under extracorporeal membrane oxygenation assessed by strain and tissue doppler imaging**
  Ouazani, N., Shudo, Y., Sallam, K., Lee, A., Boyd, J., Teuteberg, J.

WILEY.2018: 114–15

- **Ambulating femoral venoarterial extracorporeal membrane oxygenation bridge to heart-lung transplant.** *The Journal of thoracic and cardiovascular surgery*
  Shudo, Y., Kasinpila, P., Lee, A. M., Rao, V. K., Woo, Y. J.
  2018

- **Heart transplant after profoundly extended ambulatory central venoarterial extracorporeal membrane oxygenation.** *The Journal of thoracic and cardiovascular surgery*
  Shudo, Y., Wang, H., Ha, R. V., Hayes, A. D., Woo, Y. J.
  2018

- **Prolonged veno-arterial extracorporeal life support for cardiac failure.** *The International journal of artificial organs*
  Guenther, S. P., Shudo, Y. n., Hiesinger, W. n., Banerjee, D. n.
  2018: 391398818777359

- **Planned Concomitant Left and Right Ventricular Assist Device Insertion to Avoid Long-term Biventricular Mechanical Support: Bridge to Right Ventricular Recovery** *HEART SURGERY FORUM*
  Salna, M., Shudo, Y., Teuteberg, J. J., Banerjee, D., Ha, R. V., Woo, Y., Hiesinger, W.
  2018; 21 (5): E412–E414

- **Gene expression profiling of acute type A aortic dissection combined with in vitroassessment†.** *European journal of cardio-thoracic surgery*
  Kimura, N., Futamura, K., Arakawa, M., Okada, N., Emrich, F., Okamura, H., Sato, T., Shudo, Y., Koyano, T. K., Yamaguchi, A., Adachi, H., Matsuda, A., Kawahito, et al
  2017

- **Surgical Strategy to Support Right Ventricle with HVAD RVAD: Right Atrial vs Right Ventricular Diaphragmatic Surface Cannulation**
  Shudo, Y., Ha, R. V., Reinhartz, O., Woo, J., Boyd, J., Almond, C., Rosenthal, D. N., Chen, S., Maeda, K.
  ELSEVIER SCIENCE INC.2017: S29

- **Current status of domino heart transplantation.** *Journal of cardiac surgery*
  Shudo, Y., Ma, M., Boyd, J. H., Woo, Y. J.
  2017; 32 (3): 229-232

- **Adipose tissue-derived multi-lineage progenitor cells improve left ventricular dysfunction in porcine ischemic cardiomyopathy model** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Shudo, Y., Miyagawa, S., Ohkura, H., Fukushima, S., Saito, A., Kawaguchi, N., Matsuura, N., Toda, K., Sakaguchi, T., Nishi, H., Yoshikawa, Y., Shimizu, T., Okano, et al
  2017; 36 (2): 237-239

- **Successful use of donor lungs after repairing severely injured pulmonary vein of donor lungs.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
  Shudo, Y. n., Miller, S. L., Boyd, J. H., Woo, Y. J.
  2017

- **An innovative biologic system for photon-powered myocardium in the ischemic heart.** *Science advances*
  Cohen, J. E., Goldstone, A. B., Paulsen, M. J., Shudo, Y. n., Steele, A. N., Edwards, B. B., Patel, J. B., MacArthur, J. W., Hopkins, M. S., Burnett, C. E., Jaatinen, K. J., Thakore, A. D., Farry, et al
  2017; 3 (6): e1603078

- **Layered smooth muscle cell-endothelial progenitor cell sheets derived from the bone marrow augment postinfarction ventricular function.** *The Journal of thoracic and cardiovascular surgery*
  Shudo, Y. n., Goldstone, A. B., Cohen, J. E., Patel, J. B., Hopkins, M. S., Steele, A. N., Edwards, B. B., Kawamura, M. n., Miyagawa, S. n., Sawa, Y. n., Woo, Y. J.
  2017; 154 (3): 955–63

- **Tissue-engineered smooth muscle cell and endothelial progenitor cell bi-level cell sheets prevent progression of cardiac dysfunction, microvascular dysfunction, and interstitial fibrosis in a rodent model of type 1 diabetes-induced cardiomyopathy.** *Cardiovascular diabetology*
  Kawamura, M. n., Paulsen, M. J., Goldstone, A. B., Shudo, Y. n., Wang, H. n., Steele, A. N., Stapleton, L. M., Edwards, B. B., Eskandari, A. n., Truong, V. N., Jaatinen, K. J., Ingason, A. B., Miyagawa, et al
  2017; 16 (1): 142

- **Percutaneous, minimally invasive approach to implantable left ventricular assist device deactivation.** *The Journal of thoracic and cardiovascular surgery*
  Kidambi, S. n., Shudo, Y. n., Dake, M. D., Woo, Y. J., Ha, R. V.
  2017

- **Operative technique and pitfalls in donor heart procurement.** *Asian cardiovascular & thoracic annals*
  Shudo, Y., Hiesinger, W., Oyer, P. E., Woo, Y. J.
  2017; 25 (1): 80-82

- **A modified explant technique of HeartWare ventricular assist device for bridge to recovery.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
  Shudo, Y. n., Choi, C. W., Woo, Y. J., Ha, R. V.
  2017

- **A modified technique for orthotopic heart transplantation to minimize warm ischaemic time.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*
  Shudo, Y. n., Wang, H. n., Woo, Y. J.
  2017

- **A modified implantation technique of left ventricular assist device: optimal outflow tract positioning.** *International journal of cardiology*
  Shudo, Y., Choi, C. W., Woo, Y. J., Ha, R. V.
  2016; 223: 776-778

- **Isolation and trans-differentiation of mesenchymal stromal cells into smooth muscle cells: Utility and applicability for cell-sheet engineering.** *Cytotherapy*
  Shudo, Y., Cohen, J. E., Goldstone, A. B., MacArthur, J. W., Patel, J., Edwards, B. B., Hopkins, M. S., Steele, A. N., Joubert, L., Miyagawa, S., Sawa, Y., Woo, Y. J.
  2016; 18 (4): 510-517

- **A Tissue-Engineered Chondrocyte Cell Sheet Induces Extracellular Matrix Modification to Enhance Ventricular Biomechanics and Attenuate Myocardial Stiffness in Ischemic Cardiomyopathy** *TISSUE ENGINEERING PART A*
  Shudo, Y., Cohen, J. E., MacArthur, J. W., Goldstone, A. B., Otsuru, S., Trubelja, A., Patel, J., Edwards, B. B., Hung, G., Fairman, A. S., Brusalis, C., Hiesinger, W., Atluri, et al
  2015; 21 (19-20): 2515-2525

- **B-type natriuretic peptide response and reverse left ventricular remodeling after surgical correction of functional mitral regurgitation in patients with advanced cardiomyopathy.** *Journal of cardiology*
  Kainuma, S., Taniguchi, K., Toda, K., Shudo, Y., Takeda, K., Funatsu, T., Miyagawa, S., Kondoh, H., Nishi, H., Yoshikawa, Y., Fukushima, S., Hamada, S., Kubo, et al
  2015; 66 (4): 279-285

- **Evaluation of late aortic insufficiency with continuous flow left ventricular assist device†.** *European journal of cardio-thoracic surgery*
  Hiraoka, A., Cohen, J. E., Shudo, Y., Macarthur, J. W., Howard, J. L., Fairman, A. S., Atluri, P., Kirkpatrick, J. N., Woo, Y. J.
  2015; 48 (3): 400-406

- **Non-resectional leaflet remodeling mitral valve repair preserves leaflet mobility: A quantitative echocardiographic analysis of mitral valve configuration** *INTERNATIONAL JOURNAL OF CARDIOLOGY*
  Shudo, Y., Cohen, J. E., MacArthur, J. W., Goldstone, A. B., Hiraoka, A., Howard, J., Fairman, A. S., Patel, J., Edwards, B. B., Atluri, P., Woo, Y. J.
  2015; 186: 16-18

- **A Novel Minimally Invasive Ovine Model of Ischemic Cardiomyopathy With Advanced Cardiac Imaging Yields Superior Results and Survival** *35th Annual Meeting and Scientific Sessions of the International-Society-for-Heart-Lung-Transplantation*
  Cohen, J. E., Goldstone, A. B., Shudo, Y., MacArthur, J. W., Patel, J. B., EDWARDS, B. B., PATRICK, W. L., Aribeana, C. N., Woo, Y.
  ELSEVIER SCIENCE INC.2015: S180–S180

- **Bioengineered Stromal Cell- Derived Factor-1 alpha Analogue Delivered as an Angiogenic Therapy Significantly Restores Viscoelastic Material Properties of Infarcted Cardiac Muscle** *JOURNAL OF BIOMECHANICAL ENGINEERING-TRANSACTIONS OF THE ASME*
  Trubelja, A., MacArthur, J. W., Sarver, J. J., Cohen, J. E., Hung, G., Shudo, Y., Fairman, A. S., Patel, J., Edwards, B. B., Damrauer, S. M., Hiesinger, W., Atluri, P., Woo, et al
  2014; 136 (8)

- **A bioengineered hydrogel system enables targeted and sustained intramyocardial delivery of neuregulin, activating the cardiomyocyte cell cycle and enhancing ventricular function in a murine model of ischemic cardiomyopathy.** *Circulation. Heart failure*
  Cohen, J. E., Purcell, B. P., Macarthur, J. W., Mu, A., Shudo, Y., Patel, J. B., Brusalis, C. M., Trubelja, A., Fairman, A. S., Edwards, B. B., Davis, M. S., Hung, G., Hiesinger, et al
  2014; 7 (4): 619-626

- **Preclinical evaluation of the engineered stem cell chemokine stromal cell-derived factor 1a analog in a translational ovine myocardial infarction model.** *Circulation research*
  Macarthur, J. W., Cohen, J. E., McGarvey, J. R., Shudo, Y., Patel, J. B., Trubelja, A., Fairman, A. S., Edwards, B. B., Hung, G., Hiesinger, W., Goldstone, A. B., Atluri, P., Wilensky, et al
  2014; 114 (4): 650-659

- **Addition of Mesenchymal Stem Cells Enhances the Therapeutic Effects of Skeletal Myoblast Cell-Sheet Transplantation in a Rat Ischemic Cardiomyopathy Model** *TISSUE ENGINEERING PART A*
  Shudo, Y., Miyagawa, S., Ohkura, H., Fukushima, S., Saito, A., Shiozaki, M., Kawaguchi, N., Matsuura, N., Shimizu, T., Okano, T., Matsuyama, A., Sawa, Y.
  2014; 20 (3-4): 728-739

- **Continuous Flow Left Ventricular Assist Device Implant Significantly Improves Pulmonary Hypertension, Right Ventricular Contractility, and Tricuspid Valve Competence** *JOURNAL OF CARDIAC SURGERY*
  Atluri, P., Fairman, A. S., MacArthur, J. W., Goldstone, A. B., Cohen, J. E., Howard, J. L., Zalewski, C. M., Shudo, Y., Woo, Y. J.
  2013; 28 (6): 770-775

- **Sustained release of engineered stromal cell-derived factor 1-a from injectable hydrogels effectively recruits endothelial progenitor cells and preserves ventricular function after myocardial infarction.** *Circulation*
  Macarthur, J. W., Purcell, B. P., Shudo, Y., Cohen, J. E., Fairman, A., Trubelja, A., Patel, J., Hsiao, P., Yang, E., Lloyd, K., Hiesinger, W., Atluri, P., Burdick, et al
  2013; 128 (11): S79-86

- **Spatially oriented, temporally sequential smooth muscle cell-endothelial progenitor cell bi-level cell sheet neovascularizes ischemic myocardium.** *Circulation*
  Shudo, Y., Cohen, J. E., MacArthur, J. W., Atluri, P., Hsiao, P. F., Yang, E. C., Fairman, A. S., Trubelja, A., Patel, J., Miyagawa, S., Sawa, Y., Woo, Y. J.
  2013; 128 (11): S59-68

- **Normalization of postinfarct biomechanics using a novel tissue-engineered angiogenic construct.** *Circulation*
  Atluri, P., Trubelja, A., Fairman, A. S., Hsiao, P., MacArthur, J. W., Cohen, J. E., Shudo, Y., Frederick, J. R., Woo, Y. J.
  2013; 128 (11): S95-104

- **Predicting Right Ventricular Failure in the Modern, Continuous Flow Left Ventricular Assist Device Era** *59th Annual Meeting of the Southern-Thoracic-Surgical-Association (STSA)*
  Atluri, P., Goldstone, A. B., Fairman, A. S., MacArthur, J. W., Shudo, Y., Cohen, J. E., Acker, A. L., Hiesinger, W., Howard, J. L., Acker, M. A., Woo, Y. J.
  ELSEVIER SCIENCE INC.2013: 857–64

- **Myocardial Layer-Specific Effect of Myoblast Cell-Sheet Implantation Evaluated by Tissue Strain Imaging** *CIRCULATION JOURNAL*
  Shudo, Y., Miyagawa, S., Nakatani, S., Fukushima, S., Sakaguchi, T., Saito, A., Asanuma, T., Kawaguchi, N., Matsuura, N., Shimizu, T., Okano, T., Sawa, Y.
  2013; 77 (4): 1063-1072

- **Mathematically engineered stromal cell-derived factor-1 alpha stem cell cytokine analog enhances mechanical properties of infarcted myocardium** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  MacArthur, J. W., Trubelja, A., Shudo, Y., Hsiao, P., Fairman, A. S., Yang, E., Hiesinger, W., Sarver, J. J., Atluri, P., Woo, Y. J.
  2013; 145 (1): 278-284

- **Mitral Valve Repair for Medically Refractory Functional Mitral Regurgitation in Patients With End-Stage Renal Disease and Advanced Heart Failure** *CIRCULATION*
  Kainuma, S., Taniguchi, K., Daimon, T., Sakaguchi, T., Funatsu, T., Miyagawa, S., Kondoh, H., Takeda, K., Shudo, Y., Masai, T., Ohishi, M., Sawa, Y.
  2012; 126 (11): S205-S213

- **Serial multidetector computed tomography assessment of left ventricular reverse remodeling, mass, and regional wall stress after restrictive mitral annuloplasty in dilated cardiomyopathy** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*

Shudo, Y., Taniguchi, K., Takeda, K., Sakaguchi, T., Funatsu, T., Kondoh, H., Sawa, Y.
2012; 143 (4): S43-S47

- **Left Ventricular Mechanics Following Restrictive Mitral Annuloplasty for Functional Mitral Regurgitation: Two-Dimensional Speckle Tracking Echocardiographic Study** *ECHOCARDIOGRAPHY-A JOURNAL OF CARDIOVASCULAR ULTRASOUND AND ALLIED TECHNIQUES*
  Shudo, Y., Nakatani, S., Sakaguchi, T., Miyagawa, S., Yoshikawa, Y., Takeda, K., Saito, S., Takeda, Y., Sakata, Y., Yamamoto, K., Sawa, Y.
  2012; 29 (4): 445-450

- **The extent of early left ventricular reverse remodelling is related to midterm outcomes after restrictive mitral annuloplasty in patients with non-ischaemic dilated cardiomyopathy and functional mitral regurgitation** *EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY*
  Takeda, K., Sakaguchi, T., Miyagawa, S., Shudo, Y., Kainuma, S., Masai, T., Taniguchi, K., Sawa, Y.
  2012; 41 (3): 506-511

- **Novel regenerative therapy using cell-sheet covered with omentum flap delivers a huge number of cells in a porcine myocardial infarction model** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Shudo, Y., Miyagawa, S., Fukushima, S., Saito, A., Shimizu, T., Okano, T., Sawa, Y.
  2011; 142 (5): 1188-1196

- **Establishing New Porcine Ischemic Cardiomyopathy Model by Transcatheter Ischemia-Reperfusion of the Entire Left Coronary Artery System for Preclinical Experimental Studies** *TRANSPLANTATION*
  Shudo, Y., Miyagawa, S., Fukushima, S., Saito, A., Kawaguchi, N., Matsuura, N., Sawa, Y.
  2011; 92 (7): E34-E35

- **Does Stringent Restrictive Annuloplasty for Functional Mitral Regurgitation Cause Functional Mitral Stenosis and Pulmonary Hypertension?** *CIRCULATION*
  Kainuma, S., Taniguchi, K., Daimon, T., Sakaguchi, T., Funatsu, T., Kondoh, H., Miyagawa, S., Takeda, K., Shudo, Y., Masai, T., Fujita, S., Nishino, M., Sawa, et al
  2011; 124 (11): S97-S106

- **Restrictive Mitral Annuloplasty With or Without Surgical Ventricular Restoration in Ischemic Dilated Cardiomyopathy With Severe Mitral Regurgitation** *CIRCULATION*
  Shudo, Y., Taniguchi, K., Takeda, K., Sakaguchi, T., Funatsu, T., Matsue, H., Miyagawa, S., Kondoh, H., Kainuma, S., Kubo, K., Hamada, S., Izutani, H., Sawa, et al
  2011; 124 (11): S107-S114

- **Novel software package for quantifying local circumferential myocardial stress** *INTERNATIONAL JOURNAL OF CARDIOLOGY*
  Shudo, Y., Matsumiya, G., Takeda, K., Matsue, H., Taniguchi, K., Sawa, Y.
  2011; 147 (1): 134-136

- **Resection of advanced stage malignant retroperitoneal neoplasms with tumor thrombus extending into the right atrium: Report of four cases** *SURGERY TODAY*
  Shudo, Y., Matsumiya, G., Sakaguchi, T., Fujita, T., Yamauchi, T., Sawa, Y.
  2011; 41 (2): 262-265

- **Assessment of Changes in Mitral Valve Configuration With Multidetector Computed Tomography Impact of Papillary Muscle Imbrication and Ring Annuloplasty** *CIRCULATION*
  Shudo, Y., Matsumiya, G., Sakaguchi, T., Miyagawa, S., Yoshikawa, Y., Yamauchi, T., Takeda, K., Saito, S., Nakatani, S., Taniguchi, K., Izutani, H., Sawa, Y.
  2010; 122 (11): S29-S36

- **Mechanism of Beneficial Effects of Restrictive Mitral Annuloplasty in Patients With Dilated Cardiomyopathy and Functional Mitral Regurgitation** *CIRCULATION*
  Takeda, K., Taniguchi, K., Shudo, Y., Kainuma, S., Hamada, S., Matsue, H., Matsumiya, G., Sawa, Y.
  2010; 122 (11): S3-S9

- **A Simplified Echocardiographic Measurements of Direct Effects of Restrictive Annuloplasty on Mitral Valve Geometry** *ECHOCARDIOGRAPHY-A JOURNAL OF CARDIOVASCULAR ULTRASOUND AND ALLIED TECHNIQUES*
  Shudo, Y., Matsue, H., Toda, K., Hata, H., Fujita, S., Taniguchi, K., Sawa, Y.
  2010; 27 (8): 931-936

- **Impact of surgical ventricular reconstruction for ischemic dilated cardiomyopathy on restrictive filling pattern.** *General thoracic and cardiovascular surgery*

Shudo, Y., Matsumiya, G., Sakaguchi, T., Miyagawa, S., Yamauchi, T., Takeda, K., Saito, S., Taniguchi, K., Sawa, Y.
2010; 58 (8): 399-404

- **Assessment of regional myocardial wall stress before and after surgical correction of functional ischaemic mitral regurgitation using multidetector computed tomography and novel software system** *EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY*
Shudo, Y., Taniguchi, K., Takeda, K., Sakaguchi, T., Matsue, H., Izutani, H., Matsumiya, G., Sawa, Y.
2010; 38 (2): 163-169

- **Cardiomyoblast-like Cells Differentiated from Human Adipose Tissue-Derived Mesenchymal Stem Cells Improve Left Ventricular Dysfunction and Survival in a Rat Myocardial Infarction Model** *TISSUE ENGINEERING PART C-METHODS*
Okura, H., Matsuyama, A., Lee, C., Saga, A., Kakuta-Yamamoto, A., Nagao, A., Sougawa, N., Sekiya, N., Takekita, K., Shudo, Y., Miyagawa, S., Komoda, H., Okano, et al
2010; 16 (3): 417-425

- **Impact of untreated mild-to-moderate mitral regurgitation at the time of isolated aortic valve replacement on late adverse outcomes** *EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY*
Takeda, K., Matsumiya, G., Sakaguchi, T., Miyagawa, S., Yamauchi, T., Shudo, Y., Izutani, H., Sawa, Y.
2010; 37 (5): 1033-1038

- **Redo Arch Aneurysm Repair for New-Onset Aortic Arch Dissection Following Ascending Aortic Surgery: Long Elephant Trunk Technique Combined With Trifurcate-Branched Graft** *ANNALS OF VASCULAR SURGERY*
Shudo, Y., Toda, K., Matsue, H., Hata, H., Yoshida, K., Taniguchi, K.
2010; 24 (3)

- **Repair for acute type A aortic dissection with a long elephant trunk technique** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Hata, H., Toda, K., Shudo, Y., Kainuma, S., Yoshida, K., Yamamoto, K., Taniguchi, K.
2009; 137 (3): 777-778

- **Elephant trunk anastomosis proximal to origin of innominate artery in total arch replacement** *ANNALS OF THORACIC SURGERY*
Taniguchi, K., Toda, K., Hata, H., Shudo, Y., Matsue, H., Takahashi, T., Kuki, S.
2007; 84 (5): 1729-1734

- **Detection of novel serotype K Streptococcus mutans in infective endocarditis patients** *JOURNAL OF MEDICAL MICROBIOLOGY*
Nakano, K., Nomura, R., Nemoto, H., Murai, T., Yoshioka, H., Shudo, Y., Hata, H., Toda, K., Taniguchi, K., Amano, A., Ooshima, T.
2007; 56 (10): 1413-1415

- **Left ventricular mass: impact on left ventricular contractile function and its reversibility in patients undergoing aortic valve replacement** *EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY*
Taniguchi, K., Takahashi, T., Toda, K., Matsue, H., Shudo, Y., Shintani, H., Mitsuno, M., Sawa, Y.
2007; 32 (4): 588-595

- **Successful total arch replacement with long elephant trunk for chronic aortic dissection (DeBakey IIIb)** *ANNALS OF THORACIC SURGERY*
Shudo, Y., Taniguchi, K., Matsue, H., Takahashi, T., Toda, K., Hata, H., Sawa, Y.
2007; 84 (2): 659-661

- **Hypertrophic cardiomyopathy in China** *AMERICAN JOURNAL OF CARDIOLOGY*
Maron, B. J.
2007; 100 (1): 145-146

- **Radical operation for invasive thymoma with intracaval, intracardiac, and lung invasion** *JOURNAL OF CARDIAC SURGERY*
Shudo, Y., Takahashi, T., Ohta, M., Ikeda, N., Matsue, H., Taniguchi, K.
2007; 22 (4): 330-332

- **Serotype distribution of Streptococcus mutans a pathogen of dental caries in cardiovascular specimens from Japanese patients** *JOURNAL OF MEDICAL MICROBIOLOGY*
Nakano, K., Nemoto, H., Nomura, R., Homma, H., Yoshioka, H., Shudo, Y., Hata, H., Toda, K., Taniguchi, K., Amano, A., Ooshima, T.
2007; 56 (4): 551-556

- **Simple and easy method for chordal reconstruction during mitral valve repair** *ANNALS OF THORACIC SURGERY*
Shudo, Y., Taniguchi, K., Takahashi, T., Matsue, H.

2006; 82 (1): 348-349