

[View this email in your browser](#)



# Stanford MEDICINE | Department of Cardiothoracic Surgery

[Twitter](#) | [Instagram](#) | [YouTube](#) | [Facebook](#)



Stanford was recently named among the top ten best hospitals in the nation by the U.S. News & World Report and [ranked](#) among the nation's best for cardiology and heart surgery – all thanks to you. This is a humble affirmation of our department's dedication to patient care while delivering exceptional outcomes.

Last month, the DEI Staff Committee [hosted](#) the CT Surgery Celebrates Women in Medicine Luncheon, recognizing all women in medicine and highlighting our 20 women faculty, residents, and fellows. We are grateful to the phenomenal women who provide excellent care for our patients and their families.

This fall, we are excited to [welcome](#) four clinical faculty to the department: Drs. Irmina Elliott, Brandon Guenthart, and Yihan Lin as Clinical Assistant Professors, and Dr. Pierre Theodore as Clinical Associate Professor.

Please also join me in welcoming Drs. Satoshi Miyairi, Sumanth Kidambi, and Lloyd (Mac) Felmlly who joined our department as [Clinical Instructors](#) in the Division of Pediatric Cardiac Surgery.

Thank you for your contributions to our community.

Sincerely,

**Joseph Woo, MD**  
Norman E. Shumway Professor and Chair  
Stanford Department of Cardiothoracic Surgery

## In the News



### Department Celebrates Women in Medicine Month

September marks the American Medical Association's Women in Medicine Month—an annual celebration of women physicians, residents, and trainees. The DEI Staff Committee organized the Stanford Cardiothoracic Surgery Celebrates Women in Medicine Luncheon in appreciation of the women in medicine who have paved the way for leaders in cardiothoracic surgery. [Read more.](#)



### Stanford Hospital named among top 10 for cardiology and heart surgery

Stanford Health Care was ranked among the top ten hospitals in the nation by the U.S. News & World Report for cardiology and heart surgery, according to the 2022-2023 Best Hospitals rankings. [Read more.](#)



### Department welcomes four new clinical faculty

The Department of Cardiothoracic Surgery welcomed four new clinical faculty: Irmina Elliott, MD, Brandon Guenthart, MD, and Yihan Lin, MD, MPH, who recently joined as Clinical Assistant Professors, and Pierre Theodore, MD, as Clinical Associate Professor. [Read more.](#)



### Stanford Health Care ranked in top 10 by U.S. News & World Report

For the eighth year running, the U.S. News & World Report ranks Stanford Health Care as among the nation's highest-rated hospitals. The hospital was named top three in California and best in San Jose metropolitan area. [Read more.](#)



### Micropreemie survives lifesaving heart surgery for rare fetal heart tumor

Stanford Children's Health experts, including pediatric cardiothoracic surgeon Michael Ma, MD, helped save baby Angelina Anna Torres-Valencia, who had an extremely rare heart tumor, with a lifesaving heart surgery. [Read more.](#)



### Dr. Louis Capecci appointed as Cardiothoracic Division Chair at Kapi'olani Medical Center for Women & Children

Louis Capecci, MD, is appointed as the new Cardiothoracic Surgery Division Chair and Pediatric Cardiac Surgery Peer Review Subcommittee Chair at the Kapi'olani Medical Center for Women & Children. [Read about Dr. Capecci.](#)



### Dr. Natalie Liu appointed as Associate Medical Director for Surgical Services

Natalie Lui, MD, is appointed as Associate Medical Director for Surgical Services as part of the cancer destination service line at Stanford Health Care. Dr. Lui will work collaboratively with cancer DSL leadership and key stakeholders throughout Stanford Medicine. [Read about Dr. Lui.](#)



### Dr. Yuanjia Zhu receives Western Thoracic Surgical Association Paul C. Samson Resident Prize

Cardiothoracic surgery resident Yuanjia Zhu, MD, MS, was recently awarded the 2022 Paul C. Samson Resident Prize from the Western Thoracic Surgical Association. [Read more.](#)



### Dr. Ashley Choi receives North American Aortic Valve Repair Symposium Scholarship

Cardiothoracic surgery resident Ashley Choi, MD, MHS, received a scholarship to attend the 5th North American Aortic Valve Repair Symposium Scholarship in September of 2022. [Read more.](#)

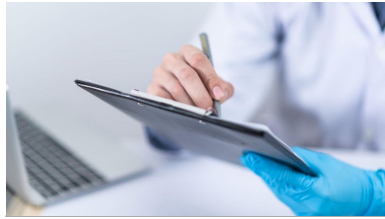
[View More News & Highlights](#)

## Research



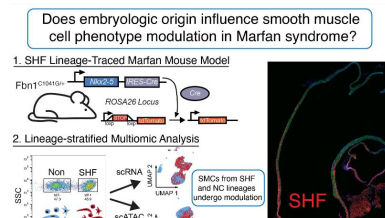
### NIH grant renewal supports Fischbein Lab with research opportunities

Michael Fischbein, MD, PhD, received a four-year NIH grant renewal to study aortic aneurysm development in patients with Marfan syndrome and other genetic connective tissue disorders. [Read more.](#)



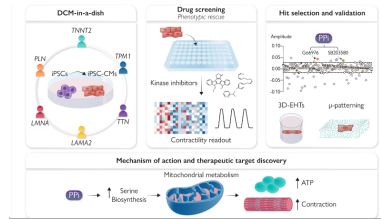
## Assessment of bias in patient safety reporting systems

Elan Burton, MD, MPH, and Stanford Medicine researchers examined whether bias exists in patient safety reporting systems based on demographic characteristics of physicians who are the subject of the event report. [Read more.](#)



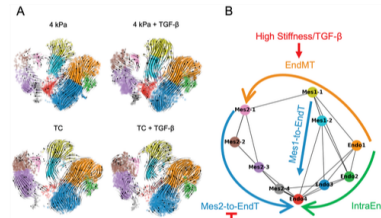
## Embryologic origin influences smooth muscle cell phenotype in Marfan syndrome

Michael Fischbein, MD, PhD, and Stanford Medicine researchers published their findings looking at how embryologic origin influences smooth muscle cell phenotypic modulation signatures in Marfan syndrome. [Read more.](#)



## A novel metabolic pathway to treat heart failure

In a recent study published in the *European Heart Journal*, Ioannis Karakikes, PhD, and Stanford Medicine colleagues created heart cells from patients' skin to model the disease in the lab. [Read more.](#)



## Single-cell transcriptomic census of endothelial changes induced by matrix stiffness

Recent work by Ngan F. Huang, PhD, and colleagues looked at how substrate stiffness modulates endothelial de-differentiation and the association with atherosclerosis using single-cell analysis. [Read more.](#)

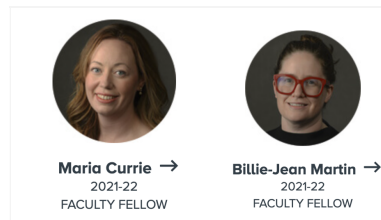
[Visit Research Page](#)

## Education



## Virtual surgical skills training in high school summer program

*The Annals of Thoracic Surgery* published a report describing the Department of Cardiothoracic Surgery's approach to a virtual curriculum for its Cardiothoracic Surgical Skills Summer Internship over the past few years. [Read more.](#)



Maria Currie →  
2021-22  
FACULTY FELLOW

Billie-Jean Martin →  
2021-22  
FACULTY FELLOW

## Biodesign Faculty Fellows Drs. Maria Currie and Billie-Jean Martin complete program

Congrats to Drs. Maria Currie and Billie-Jean Martin for completing the 2021-2022 Biodesign Faculty Fellowship program! Over several months, they received advanced training and mentoring in health technology innovation to improve patient care. [Learn more.](#)




## ISS Research & Development Conference featured research from Department

The 11th International Space Station Research & Development Conference featured research from the Department of Cardiothoracic Surgery, including work from Ngan F. Huang, PhD, on tissue engineering, in July of 2022. [View program.](#)


## Department clinical and research expertise showcased at aortic valve symposium

The Department of Cardiothoracic Surgery showcased its clinical and research expertise at the 5th North American Aortic Valve Repair Symposium in September of 2022. [View program.](#)



**Ioana C. Baiu** @BaiuMD · Sep 13  
@StanfordCTSurg has more women CT surgeons than any other institution in the world! So lucky to train here with so many incredible mentors!  
[@natalielu22](#) [@leahbackhusmd](#) [@irmelliott](#) [@maryhawn](#)

**Stanford Surgery** @StanfordSurgery · Sep 13  
Hey! I know her!!! So proud of @OpNotes alumna, @BaiuMD !!  
#stanfordWIM #WIMMonth @StanfordCTSurg



Ioana Baiu, MD, MPH

### From our Community

We are proud to celebrate the accomplishments of all women in medicine. Thank you for celebrating with us!

[Follow us on Twitter.](#)

[View More News & Highlights](#)

## Featured Publications

**The Department of Cardiothoracic Surgery is dedicated to conducting cutting-edge research. Check out more of our [faculty publications.](#)**

[Virtual Surgical Skills Training in a High School Summer Program.](#)

Bajaj SS, Patel HH, Fann JI, Ma M, Lui NS. Ann Thorac Surg. 2022 Aug 5:S0003-4975(22)01004-9. doi: 10.1016/j.athoracsur.2022.07.034. Online ahead of print. PMID: 35934065

[Impact of PhD Degree Versus Non-PhD Research Fellowship on Future Research Productivity Among Academic Cardiothoracic Surgeons.](#)

Bajaj SS, Wang H, Williams KM, Heiler JC, Pickering JM, Manjunatha K, O'Donnell CT, Sanchez M, Boyd JH. World J Surg. 2022 Jul 24. doi: 10.1007/s00268-022-06661-3. Online ahead of print. PMID: 35871657

[The potential of CRISPR-Cas9 prime editing for cardiovascular disease research and therapy.](#)

Bharucha N, Arias A, Karakikes I. Curr Opin Cardiol. 2022 Sep 1;37(5):413-418. doi: 10.1097/HCO.0000000000000985. Epub 2022 Jul 16. PMID: 35880456

[Mapping Atrial Fibrillation After Surgical Therapy to Guide Endocardial Ablation.](#)

Bhatia NK, Shah RL, Deb B, Pong T, Kapoor R, Rogers AJ, Badhwar N, Brodt C, Wang PJ, Narayan SM, Lee AM. Circ Arrhythm Electrophysiol. 2022 Jun;15(6):e010502. doi: 10.1161/CIRCEP.121.010502. Epub 2022 May 27. PMID: 35622437

[Standardization of operative start times for non-emergent cardiac surgical procedures.](#)

Burton E, Medina M, Antonio H. J Card Surg. 2022 Jul 17. doi: 10.1111/jocs.16756. Online ahead of print. PMID: 35842812

[Three-dimensional-printed model of surgically resectable angioinvasive pulmonary mucormycosis.](#)

Byrd CT, Vyas D, Guo HH, Lui NS. JTCVS Tech. 2022 Apr 18;13:244-246. doi: 10.1016/j.xjtc.2022.04.013. eCollection 2022 Jun. PMID: 35711220

[Performance of a rule-based semi-automated method to optimize chart abstraction for surveillance imaging among](#)

[An automated line-clearing chest tube system after cardiac surgery.](#)

Obafemi OO, Wang H, Bajaj SS, O'Donnell CT, Elde S, Boyd JH. JTCVS Open. 2022 Feb 24;10:246-253. doi: 10.1016/j.xjon.2022.02.020. eCollection 2022 Jun. PMID: 36004272

[Characteristics of Integrated Thoracic Surgery Residency Matriculants: A Survey of Program Directors.](#)

Obafemi OO, Mullis DM, Rogers AB, Lee AM. Ann Thorac Surg. 2022 Sep;114(3):1035-1042. doi: 10.1016/j.athoracsur.2022.01.030. Epub 2022 Feb 11. PMID: 35157846

[Demographics of Current and Aspiring Integrated Six-Year Cardiothoracic Surgery Trainees.](#)

Olive JK, Yost CC, Robinson JA, Brescia AA, Han JJ, Haney JC, Forbess JM, Varghese TK Jr, Backhus LM, Cooke DT, Cornwell LD, Preventza OA. Ann Thorac Surg. 2022 Aug 4:S0003-4975(22)00994-8. doi: 10.1016/j.athoracsur.2022.06.051. Online ahead of print. PMID: 35934069

[Deep Learning Preoperative Risk Stratification.](#)

Ouyang D, Hiesinger W, Langlotz C. Ann Thorac Surg. 2022 Jun 1:S0003-4975(22)00796-2. doi: 10.1016/j.athoracsur.2022.05.023. Online ahead of print. PMID: 35661716 No abstract available.

[Quantitative biomechanical optimization of neochordal implantation location on mitral leaflets during valve repair.](#)

Pandya PK, Wilkerson RJ, Imbrie-Moore AM, Zhu Y, Marin-Cuartas M, Park MH, Woo YJ. JTCVS Tech. 2022 May 21;14:89-93. doi: 10.1016/j.xjtc.2022.05.008. eCollection 2022 Aug. PMID: 35967240

[A Novel Rheumatic Mitral Valve Disease Model with Ex Vivo Hemodynamic and Biomechanical Validation.](#)

Park MH, Pandya PK, Zhu Y, Mullis DM, Wang H, Imbrie-Moore AM, Wilkerson R, Marin-Cuartas M, Woo YJ. Cardiovasc Eng Technol. 2022 Aug 8. doi: 10.1007/s13239-022-00641-3. Online ahead of print. PMID: 35941509

[FDA Emergency Use Authorization-Approved Novel Coronavirus Disease 2019 Pressure-Regulated Mechanical Ventilator Splitter That Enables Differential Compliance Multiplexing.](#)

Paulsen MJ, Zhu Y, Park MH, Imbrie-Moore AM, Baker S,

[patients treated for non-small cell lung cancer.](#)  
Byrd C, Ajawara U, Laundry R, Radin J, Bhandari P, Leung A, Han S, Asch SM, Zeliadt S, Harris AHS, Backhus L. BMC Med Inform Decis Mak. 2022 Jun 3;22(1):148. doi: 10.1186/s12911-022-01863-0. PMID: 35659230

[The number of postoperative surgical or diagnostic procedures following congenital heart surgery correlates with both mortality and hospital length of stay.](#)  
Capecci L, Mainwaring RD, Collins RT, Sidell D, Martin E, Lamberti JJ, Hanley FL. J Card Surg. 2022 Aug 2. doi: 10.1111/jocs.16817. Online ahead of print. PMID: 35917407

[Innominate artery patency after direct cannulation in neonates.](#)  
Choi PS, Nasirov T, Hanley F, Peng L, McElhinney DB, Ma M. JTCVS Tech. 2022 Jun 9;14:171-176. doi: 10.1016/j.jtc.2022.06.001. eCollection 2022 Aug. PMID: 35967223

[Impact and Modifiers of Ventricular Pacing in Patients With Single Ventricle Circulation.](#)  
Chubb H, Bulic A, Mah D, Moore JP, Janousek J, Fumanelli J, Asaki SY, Pflaumer A, Hill AC, Escudero C, Kwok SY, Mangat J, Ochoa Nunez LA, Balaji S, Rosenthal E, Regan W, Horndasch M, Asakai H, Tanel R, Czosek RJ, Young ML, Bradley DJ, Paul T, Fischbach P, Malloy-Walton L, McElhinney DB, Dubin AM. J Am Coll Cardiol. 2022 Aug 30;80(9):902-914. doi: 10.1016/j.jacc.2022.05.053. PMID: 36007989

[Elucidating tricuspid Doppler signal interpolation and its implication for assessing pulmonary hypertension.](#)  
Dual SA, Verdonk C, Amsallem M, Pham J, Obasohan C, Nataf P, McElhinney DB, Arunamata A, Kuznetsova T, Zamanian R, Feinstein JA, Marsden A, Haddad F. Pulm Circ. 2022 Jul 1;12(3):e12125. doi: 10.1002/pul2.12125. eCollection 2022 Jul. PMID: 36016669

[Controlled Comparison of Simulated Hemodynamics Across Tricuspid and Bicuspid Aortic Valves.](#)  
Kaiser AD, Shad R, Schiavone N, Hiesinger W, Marsden AL. Ann Biomed Eng. 2022 Sep;50(9):1053-1072. doi: 10.1007/s10439-022-02983-4. Epub 2022 Jun 24. PMID: 35748961

[Mosaicism for the smooth muscle cell \(SMC\)-specific knock-in of the Acta2 R179C pathogenic variant: Implications for gene editing therapies.](#)  
Kaw A, Pedroza AJ, Chattopadhyay A, Pinard A, Guo D, Kaw K, Zhou Z, Shad R, Fischbein MP, Kwartler CS, Milewicz DM. J Mol Cell Cardiol. 2022 Jul 22;171:102-104. doi: 10.1016/j.yjmcc.2022.07.004. Online ahead of print. PMID: 35878552

[Advances in three-dimensional bioprinted stem cell-based tissue engineering for cardiovascular regeneration.](#)  
Khanna A, Ayan B, Undieh AA, Yang YP, Huang NF. J Mol Cell Cardiol. 2022 Aug;169:13-27. doi: 10.1016/j.yjmcc.2022.04.017. Epub 2022 May 12. PMID: 35569213

[Weight Matching in Infant Heart Transplantation: A National Registry Analysis.](#)  
Lee JY, Kidambi S, Zawadzki RS, Rosenthal DN, Dykes JC, Nasirov T, Ma M. Ann Thorac Surg. 2022 Jul 11:S0003-4975(22)00940-7. doi: 10.1016/j.athoracsur.2022.05.067. Online ahead of print. PMID: 35835207

[Mid-Term Outcomes of Endovascular Repair of Aortic Arch Aneurysms with the Gore Thoracic Branch Endoprosthesis.](#)  
Liang NL, Dake MD, Fischbein MP, Bavaria JE, Desai ND, Oderich GS, Singh MJ, Fillingim M, Suckow BD, Matsumura JS, Patel HJ, Makaroun MS. Eur J Vasc Endovasc Surg. 2022 Aug 12:S1078-5884(22)00506-8. doi: 10.1016/j.ejvs.2022.08.003. Online ahead of print. PMID: 35970335

[Commentary: A guide for what we know and what still needs to be learned.](#)  
Liou DJ. J Thorac Cardiovasc Surg. 2022 Jul 8:S0022-5223(22)00723-1. doi: 10.1016/j.jtcvs.2022.06.020. Online ahead of print. PMID: 35931581

[Commentary: Operating on fewer veins in vain.](#)  
Ma M. JTCVS Open. 2022 Feb 13;10:322-323. doi: 10.1016/j.xjon.2021.12.008. eCollection 2022 Jun. PMID: 36004213

Walter Edmonston D, Dawson T, Ly E, Martin Bell S, Tran NA, Jung J, Cedarleaf-Pavy J, Sridhar KR, Venkataraman V, Woo YJ. ASAIO J. 2022 Jun 3. doi: 10.1097/MAT.0000000000001756. Online ahead of print. PMID: 35667305

[Embryologic Origin Influences Smooth Muscle Cell Phenotypic Modulation Signatures in Murine Marfan Syndrome Aortic Aneurysm.](#)  
Pedroza AJ, Dalal AR, Shad R, Yokoyama N, Nakamura K, Cheng P, Wirka RC, Mitchel O, Baiocchi M, Hiesinger W, Quetermous T, Fischbein MP. Arterioscler Thromb Vasc Biol. 2022 Sep;42(9):1154-1168. doi: 10.1161/ATVBAHA.122.317381. Epub 2022 Jul 7. PMID: 35861960

[Serine biosynthesis as a novel therapeutic target for dilated cardiomyopathy.](#)  
Perea-Gil I, Seeger T, Bruyneel AAN, Termginchan V, Monte E, Lim EW, Vadgama N, Furihata T, Gavidia AA, Arthur Ataam J, Bharucha N, Martinez-Amador N, Ameen M, Nair P, Serrano R, Kaur B, Feyen DAM, Diecke S, Snyder MP, Metallo CM, Mercola M, Karakikes I. Eur Heart J. 2022 Jun 21:ehac305. doi: 10.1093/eurheartj/ehac305. Online ahead of print. PMID: 35728000

[Distance from home to birth hospital, transfer, and mortality in neonates with hypoplastic left heart syndrome in California.](#)  
Purkey NJ, Ma C, Lee HC, Hintz SR, Shaw GM, McElhinney DB, Carmichael SL. Birth Defects Res. 2022 Jul 15;114(12):662-673. doi: 10.1002/bdr2.2020. Epub 2022 Apr 29. PMID: 35488460

[Biodegradable external wrapping promotes favorable adaptation in an ovine vein graft model.](#)  
Ramachandra AB, Wang H, Wnorowski A, Schwarz EL, Pickering J, Heiler JC, Lucian HJ, Hironaka CE, Tran NA, Liu Y, Khan MO, Obafemi O, Tada Y, Kahn AM, Sayed N, Wu JC, Humphrey JD, Boyd JH, Marsden AL. Acta Biomater. 2022 Aug 20:S1742-7061(22)00504-9. doi: 10.1016/j.actbio.2022.08.029. Online ahead of print. PMID: 35995404

[Commentary: American Association for Thoracic Surgery foundation research grants: An opportunity to shape the future of cardiothoracic surgery.](#)  
Reveron-Thornton RF, Lui NS. JTCVS Open. 2022 Feb 22;10:291-292. doi: 10.1016/j.xjon.2022.01.025. eCollection 2022 Jun. PMID: 36004258

[Proton magnetic resonance spectroscopy assessment of neonatal brain metabolism during cardiopulmonary bypass surgery.](#)  
Spielman DM, Gu M, Hurd RE, Riemer RK, Okamura K, Hanley FL. NMR Biomed. 2022 Sep;35(9):e4752. doi: 10.1002/nbm.4752. Epub 2022 May 18. PMID: 35483967

[Subcutaneous Treprostinil Improves Surgical Candidacy for Next Stage Palliation in Single Ventricle Patients With High-Risk Hemodynamics.](#)  
Sullivan RT, Handler SS, Feinstein JA, Ogawa M, Liu E, Ma M, Hopper RK, Norris J, Hollander SA, Chen S. Semin Thorac Cardiovasc Surg. 2022 Aug 2:S1043-0679(22)00191-5. doi: 10.1053/j.semthor.2022.07.011. Online ahead of print. PMID: 35931345

[Intraoperative Considerations in a Patient on Intravenous Epoprostenol Undergoing Minimally Invasive Cardiac Surgery.](#)  
Tull CM, Abraham AM, MacArthur JW, Vanneman MW, Feng TR. J Cardiothorac Vasc Anesth. 2022 Aug;36(8 Pt A):2600-2605. doi: 10.1053/j.jvca.2022.04.021. Epub 2022 Apr 22. PMID: 35644744

[Editorial: Frontiers in Cardiovascular Medicine: Rising Stars 2021.](#)  
Wang L, Xu GE, Pan L, Aikawa E, Aikawa M, Xiao J, Huang NF. Front Cardiovasc Med. 2022 Jun 9;9:928981. doi: 10.3389/fcvm.2022.928981. eCollection 2022. PMID: 35757336

[Quantitative goals for research output and scholarly impact to enhance basic science R01 grant renewal for cardiothoracic surgeons.](#)  
Wang H, Bajaj SS, Heiler JC, Krishnan A, Williams KM, Woo YJ, Boyd JH. JTCVS Open. 2022 Feb 16;9:162-175. doi: 10.1016/j.xjon.2021.10.063. eCollection 2022 Mar. PMID: 36003453

[Commentary: A new Fontan commandment.](#)  
Ma M. J Thorac Cardiovasc Surg. 2022 Sep;164(3):783-784. doi: 10.1016/j.jtcvs.2022.01.008. Epub 2022 Jan 11. PMID: 35125211

[Relation Between Pulmonary Artery Pressures Measured Intraoperatively and at One-Year Catheterization After Unifocalization and Repair of Tetralogy With Major Aortopulmonary Collateral Arteries.](#)  
Ma M, Peng LF, Zhang Y, Wise-Faberowski L, Martin E, Hanley FL, McElhinney DB. Semin Thorac Cardiovasc Surg. 2022 Autumn;34(3):1013-1025. doi: 10.1053/j.semtcvs.2022.01.004. Epub 2022 Jan 31. PMID: 35092847

[Improving nutrition practices for postoperative high-risk heart transplant and ventricular assist device implant patients in circulatory compromise: A quality improvement pre- and post-protocol intervention outcome study.](#)  
Modir R, Hadhazy E, Teuteberg J, Hiesinger W, Tulu Z, Hill C. Nutr Clin Pract. 2022 Jun;37(3):677-697. doi: 10.1002/ncp.10854. Epub 2022 May 23. PMID: 35606342

[Genomic Profiling of Bronchoalveolar Lavage Fluid in Lung Cancer.](#)  
Nair VS, Hui AB, Chabon JJ, Shahrokh Esfahani M, Stehr H, Nabet BY, Zhou L, Chaudhuri AA, Benson JA, Ayers K, Bedi H, Ramsey MC, Van Wert R, Antic S, Lui NS, Backhus LM, Berry MF, Sung AW, Massion PP, Shrager JB, Alizadeh AA, Diehn M. Cancer Res. 2022 Jun 24;canres.0554.2022. doi: 10.1158/0008-5472.CAN-22-0554. Online ahead of print. PMID: 35748739

[Mortality Prediction After Cardiac Surgery in Children: An STS Congenital Heart Surgery Database Analysis.](#)  
Normand ST, Zelevinsky K, Nathan M, Abing HK, Dearani JA, Galantowicz M, Gaynor JW, Habib RH, Hanley FL, Jacobs JP, Kumar SR, McDonald DE, Pasquali SK, Shahian DM, Tweddell JS, Vener DF, Mayer JE Jr. Ann Thorac Surg. 2022 Sep;114(3):785-798. doi: 10.1016/j.athoracsur.2021.11.077. Epub 2022 Feb 3. PMID: 35122722

[Reevaluating Congenital Heart Surgery Center Performance Using Operative Mortality.](#)  
Normand ST, Zelevinsky K, Nathan M, Abing HK, Dearani JA, Galantowicz M, Gaynor JW, Habib RH, Hanley FL, Jacobs JP, Kumar SR, McDonald DE, Pasquali SK, Shahian DM, Tweddell JS, Vener DF, Mayer JE Jr. Ann Thorac Surg. 2022 Sep;114(3):776-784. doi: 10.1016/j.athoracsur.2021.11.076. Epub 2022 Feb 2. PMID: 35120879

[Diminishing Basic Science Research Experience Among United States Cardiothoracic Surgery Trainees.](#)  
Wang H, Bajaj SS, Manjunatha K, Yu MM, Obafemi OO, Williams KM, Boyd JH. J Surg Res. 2022 Jul 6;279:312-322. doi: 10.1016/j.jss.2022.06.020. Online ahead of print. PMID: 35809356

[Inter-observer variability of expert-derived morphologic risk predictors in aortic dissection.](#)  
Willemink MJ, Mastrodicasa D, Madani MH, Codari M, Chepelev LL, Mistelbauer G, Hanneman K, Ouzounian M, Ocazionez D, Afifi RO, Lacomis JM, Lovato L, Pacini D, Folesani G, Hinzpeter R, Alkadhi H, Stillman AE, Sailer AM, Turner VL, Hinojroza V, Bäumlner K, Chin AS, Burris NS, Miller DC, Fischbein MP, Fleischmann D. Eur Radiol. 2022 Aug 27. doi: 10.1007/s00330-022-09056-z. Online ahead of print. PMID: 36029344

[Invited commentary: the choice between mechanical versus biologic mitral valves is becoming clear, what next?](#)  
Williams KM, Woo YJ. Eur J Cardiothorac Surg. 2022 Jul 11;62(2):ezac198. doi: 10.1093/ejcts/ezac198. PMID: 35349666

[A novel photosynthetic biologic topical gel for enhanced localized hyperoxygenation augments wound healing in peripheral artery disease.](#)  
Zhu Y, Jung J, Anilkumar S, Ethiraj S, Madira S, Tran NA, Mullis DM, Casey KM, Walsh SK, Stark CJ, Venkatesh A, Boakye A, Wang H, Woo YJ. Sci Rep. 2022 Jun 15;12(1):10028. doi: 10.1038/s41598-022-14085-1. PMID: 35705660

[Biomechanical Engineering Analysis of Pulmonary Valve Leaflet Hemodynamics and Kinematics in the Ross Procedure.](#)  
Zhu Y, Wilkerson R, Pandya P, Mullis D, Wu C, Madira S, Marin-Cuartas M, Park MH, Imbrie-Moore A, Woo YJ. J Biomech Eng. 2022 Jul 22. doi: 10.1115/1.4055033. Online ahead of print. PMID: 35864775

[A Novel Device for Intraoperative Direct Visualization of a Pressurized Root in Aortic Valve Repair.](#)  
Zhu Y, Imbrie-Moore AM, Paulsen MJ, Park MH, Tran NA, Woo YJ. Ann Thorac Surg. 2022 Aug;114(2):567-571. doi: 10.1016/j.athoracsur.2022.02.013. Epub 2022 Feb 22. PMID: 35216987

[View Faculty Publications](#)

Newsletter ideas, feedback, or comments? Email [Mary Bilbao](mailto:Mary.Bilbao).



View our previous newsletters: [Winter 2022](#) | [Spring 2022](#)

Copyright © 2022 Stanford CT Surgery, All rights reserved.

Received this as forwarded email? [Join our list!](#)  
[Update your preferences](#) | [Unsubscribe from this list](#)