



Thoracic
Surgery
Foundation

2023
**ANNUAL
REPORT**

The Thoracic Surgery Foundation

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Dear Friends of TSF,

I am pleased to share this 2023 Annual Report with news of an outstanding year for The Thoracic Surgery Foundation. Highlights of 2023 include:

- **The largest level of industry partnership support in our history – nearly \$1.1 million**
- **A record year in grantmaking – with over \$1.56 million awarded**
- **Another year of outstanding support from The Society of Thoracic Surgeons**
- **A landmark bequest gift that will positively impact grantmaking for years to come**

Keep reading to learn more about our outstanding 2023 awardees and the donors who support TSF's mission to advance heart and lung health for all. We are grateful for your ongoing support!

Joseph A. Dearani, MD
TSF President

Annual Snapshot

GRANTS & AWARDS ISSUED

TOTAL \$1,564,004



TSF NET ASSETS

TOTAL \$7,506,387



CONTRIBUTIONS TO TSF

TOTAL \$3,147,554



2023 Engagement at a Glance

43

individual awards and scholarships granted

1,652

volunteer hours contributed by surgeon leaders to review and select awardees

30%

of STS US Surgeon Members made a gift to TSF in 2023



2023 Highlights

Nina Starr Braunwald Center at STS

In October 2023, Dr. Eugene Braunwald and daughters Karen, Jill, and Allison, met with TSF and STS leaders to lay the groundwork for establishing the **Nina Starr Braunwald Center at STS**. In honor of the legacy of Dr. Nina Starr Braunwald, the first female board-certified cardiac surgeon in the U.S., the Braunwald Center at STS is an array of innovative programs, research awards, advocacy efforts, and educational offerings aimed at issues of special interest to women CT surgeons. TSF's Braunwald Research Awards, originally established by the family in conjunction with TSF in 1993, are a centerpiece of the Braunwald Center that continue to provide support to outstanding women surgeon scientists.

To learn more about the Braunwald Center and the legacy of Dr. Nina Starr Braunwald, [view this video](#).



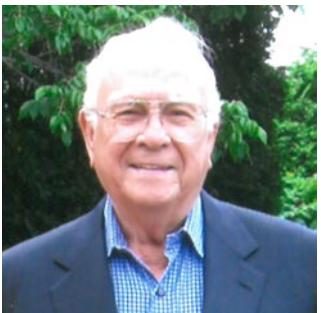
Pictured L to R: Jill Braunwald Porter, Dr. Joseph Dearani, Dr. Jennifer Romano, Dr. Karen Braunwald, Dr. Allison Braunwald Goldfine, Dr. Thomas MacGillivray. Seated in front: Dr. Eugene Braunwald

“

The award has given me a head start with research at the onset of my academic career. While my own academic productivity is important, one of the most valuable benefits of this work is that it allowed me to mentor so many people, ranging from undergraduates to medical students, residents and fellows.”



Caitlin Demarest, MD
2023 Nina Starr Braunwald Research Award Recipient



Historic Bequest Gift from Graydon & Virginia Long

In late 2023, TSF was the recipient of a record bequest gift from the estate of Dr. Graydon Long and Mrs. Virginia Long. **The Longs' remarkable gift of nearly \$500,000 marks the largest single bequest gift to TSF to date.**

Dr. Graydon Long had been a member of The Society of Thoracic Surgeons since 1965 and was a Senior Member at the time of his death in 2019. Dr. Long completed his cardiothoracic surgery residency at the University of Michigan Medical School in 1959. He practiced as a surgeon in the Lexington, Kentucky area from 1959 to 1988. **TSF is indebted to the charitable spirit of Dr. and Mrs. Long, whose generosity will make a significant impact on TSF's grantmaking in the years to come.**



New Conference Scholarships for Residents

As the charitable heart of STS, TSF aims to provide access to the very best in education for cardiothoracic surgeons at all career stages. In 2023, TSF launched **scholarships for cardiothoracic surgery residents to select STS standalone courses**, including the Coronary Conference and the Latin American Thoracic Surgery Conference. Pictured above are the recipients of the Coronary Conference scholarships.



“Their mission model is focused on teaching, training, and skills transfer rather than outright volume of cases performed. This is a significant departure from the usual mission routine where it is almost always about the number of cases performed within the short period of time. In this case, skills and knowledge transfer were given the highest priority and guided other activities.”



Chizoba A. Efobi, MBBS

2023 TSF International Medical Volunteer Scholarship Recipient

Underserved Region: Uganda

Read more about Dr. Efobi's 2023 International Medical Volunteer Experience [here](#).



“

The experience was truly life-changing, providing not only a broader view of the positive impact cardiac surgery can have on patients' lives, but also reinforcing my commitment to practicing medicine focused on global well-being.”



Karlos Jennysson Sousa Soares, MD

2023 TSF International Medical Volunteer
Scholarship Recipient

Underserved Region: Peru

2023 TSF Awardees

Congratulations to the 2023 Thoracic Surgery Foundation Award Recipients!

These awards are made possible by generous donors including surgeons, related societies, industry partners, and grateful patients who have invested in the future of the specialty.

RESEARCH



Shin Yajima, MD, PhD
Stanford University

“Stromal cell-derived factor 1 α - encapsulated nanoparticles specifically target in the ischemic myocardium and attenuate ischemia myocardial injury”

STS Research Award



Constantine D. Mavroudis, MD, MSc, MTR
Children's Hospital of Philadelphia

“The effect of preoperative cyanosis on cerebral mitochondrial function following cardiopulmonary bypass and neuroprotective perfusion strategies in neonatal swine”

STS Research Award



Caitlin T. Demarest, MD, PhD
Vanderbilt University Medical Center

“Testing a novel Pulmonary Assist Device in a sheep model of chronic pulmonary hypertension and right heart failure to evaluate exercise physiology and right ventricular recovery”

Nina Starr Braunwald Research Award

EDUCATION



Selena S. Li, MD
Massachusetts General Hospital

"Proteomic predictors of cardiac recovery"

Nina Starr Braunwald Research Fellowship Award
(Resident)



Danny Wang, MD
Massachusetts General Hospital

"The role of the gut and lung microbiome in postoperative recovery and complications following oncologic lung resection"

TSF Resident Research Fellowship Award



Jimmy Kang, MD
University of Alberta

"Attenuation of xenoreactive immune response with allogeneic recellularized tissue engineered heart valves"

TSF Resident Research Fellowship Award



Krish C. Dewan, MD, MS
Duke University

"Improving cardiac transplant outcomes through PD-L1 overexpression gene therapy"

Southern Thoracic Surgical Association (STS) Resident Research Award



Kei Suzuki , MD, MS
Inova

"Single-cell RNA sequence profiling of tumor-immune microenvironment for precision therapy in resectable lung cancer"

AstraZeneca Lung Cancer Research Award



Jeffrey B. Velotta, MD
UCSF School of Medicine & Kaiser Permanente Northern California

"Identifying novel patient outreach strategies to increase Lung Cancer Screening in Asian Americans in an integrated healthcare system"

AstraZeneca Reversing Health Disparities in Lung Cancer Research Award



David Zapata, MD
University of Maryland School of Medicine

Travel to Brussels to study aortic and mitral valve repair

TSF/Francis Fontan Fund International Traveling Fellowship



Valentina Mescola, MD, MEBCTS
University of Navarra, Pamplona, Spain

Travel to 2 sites to learn about setting up a viable OPCAB program – 4-6 weeks at The Valley Hospital

TSF/Francis Fontan Fund International Traveling Fellowship



Laura A. Torrico Davila, MD
Ignacio Chavez National Institute of Cardiology, Mexico City, Mexico

Travel to Boston Children's Hospital to study assessment, management, and intraoperative techniques for cardiac reconstruction in neonates

TSF/Francis Fontan Fund International Traveling Fellowship in Partnership with LACES



Marcio Rufino Barbosa Jr., MD
Santa Casa de Misericordia de Vitoria, Espírito Santo, Brazil

Travel to Brussels to learn advanced repair techniques for the treatment of aortic and valvular heart disease

TSF/Francis Fontan Fund International Traveling Fellowship in Partnership with LACES



Ali M. Alakhtar, MD, MSc
McGill University

Structural Heart Fellowship

Michael J. Davidson Structural Heart Fellowship Award



Derrick Tam, MD, PhD
University of Toronto

Advanced cardiac fellowship in minimally invasive and structural mitral valve interventions

Every Heartbeat Matters Structural Heart Diversity Fellowship

HUMANITARIAN



Scott C. DeRoo, MD
University of Washington

Advanced aortic valve repair: strategies for both the bicuspid and trileaflet valve

Nicholas Kouchoukos Award



Mr. Ariyo Lookman Idowu
Lagos State University
Teaching Hospital, Nigeria

Complex pediatric perfusion and device implant surgery

Sarns Terumo Perfusion
Education Fellowship Award



Madhuri V. Rao, MD
University of Minnesota

Robotic complex segmentectomy

Carolyn E. Reed Traveling
Fellowship



Yazan N. AlJamal, MD
Mayo Clinic

Robotic Coronary Revascularization

Advanced Robotic Cardiac
Surgery Fellowship



Simran K. Randhawa, MBBS
University of Colorado

Developing a robotic assisted foregut surgery practice

Carolyn E. Reed Traveling
Fellowship Award



Mian Mustafa Kamal, MBBS
Aga Khan University Hospital
Karachi, Pakistan

TAVI: Break the Barriers

The Levi Watkins Innovation
and Leadership Development
Scholarship



Dmitry O. Bobylev, MD
Hannover Medical School,
Germany

*Clinical protocols, hybrid cardiac
surgery, Ozaki procedure, Ross
operation*

Robert L. Reppogle Traveling
Fellowship Award



Nicolas Contreras, MD
University of Utah

*Robotic esophageal surgery –
esophagectomy and benign
foregut procedures*

Underrepresented Robotic
General Thoracic (URGT)
Surgeon Development Award



Pranava Sinha, MD
University of Minnesota

Underserved Region: Uganda

TSF Every Heartbeat
Matters Award



Jay D. Pal, MD, PhD
University of Washington

Underserved Region: Nepal

TSF Every Heartbeat
Matters Award



Emily A. Farkas, MD, FACS
Indiana University

Underserved Region: Kenya

TSF Every Heartbeat
Matters Award



Aldo Elmer Rafael, MD
Baylor University Medical
Center

Underserved Region: Peru

TSF Every Heartbeat
Matters Award



Carmelo A. Milano, MD
Duke University

Underserved Region: Honduras

TSF Every Heartbeat
Matters Award



Robert C. Neely, MD
Cardiothoracic & Vascular
Surgeons Austin

Underserved Region: Kenya

TSF Every Heartbeat
Matters Award



“The Thoracic Surgery Foundation has not only provided me with financial support but also helped me gain a mentor for life.”

Simran K. Randhawa, MD

2023 Carolyn Reed Fellowship Awardee

CONFERENCE



Zachary O. Enumah, MD
Cardiac Surgery
Intersociety Alliance
Underserved Region: Rwanda
TSF Every Heartbeat Matters Award



Adnaldo da Silveira Maia, MD
Dante Pazzanese Institute of Cardiology
Underserved Region: Kenya
International Medical Volunteer Scholarship



Chizoba A. Efobi, MBBS
University of Benin Teaching Hospital
Underserved Region: Uganda
International Medical Volunteer Scholarship



Sandeep Sainathan, MD
The University of Miami
Underserved Region: Nepal
International Medical Volunteer Scholarship



Melina Moroz Barg, MD
Dante Pazzanese Institute of Cardiology
Underserved Region: Kenya
International Medical Volunteer Scholarship



Karlos Jennysson Sousa Soares, MD
Instituto do Coração do Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo
Underserved Region: Peru
International Medical Volunteer Scholarship



Aditya Sengupta, MD
The Mount Sinai Hospital
Saha Scholarship to the STS Annual Meeting



Travis D. Hull, MD, PhD
Massachusetts General Hospital
STS Coronary Conference Scholarship



Lin-Chiang Philip Chou, MD, MS
Houston Methodist Hospital
Leadership Program for Health Policy and Management at Brandeis University
Alley-Sheridan Scholarship



Magalí Belen Pereiro
Hospital de Clínicas José de San Martín - Argentina
Latin America Thoracic Surgery Conference Scholarship



Chibueze Onyemkpa, MBBS
Texas Heart Institute/Baylor College of Medicine
STS Coronary Conference Scholarship



Ninach Muñante Nima
Edgardo Rebagliati Martins National Hospital - Perú
Latin America Thoracic Surgery Conference Scholarship



Makoto Mori, MD, PhD
Yale School of Medicine
STS Coronary Conference Scholarship



Habib Mantilla Gaviria
Instituto Nacional de Cancerología - Colombia
Latin America Thoracic Surgery Conference Scholarship



Mallory L. Hunt, MD
Hospital of the University of Pennsylvania
STS Coronary Conference Scholarship



Andres Stevenson Silva
Hospital San Jose - Chile
Latin America Thoracic Surgery Conference Scholarship



Nataliya Bahatyrevich, MD
University of California, Davis
STS Coronary Conference Scholarship



Jonathan Seixas Pereira
Hospital São Lucas da PUCRS - Brazil
Latin America Thoracic Surgery Conference Scholarship

Lifetime Honor Roll of Major Gift Donors

TSF gratefully acknowledges these generous donors who have contributed a total of **\$10,000 or more since 1988**. TSF thrives due to the generosity of these individuals, organizations, foundations, and corporations.



TSF Board members accept a generous gift from Dr. Charles Roberts (center) of The Roberts Foundation to establish a future TSF cardiac award.

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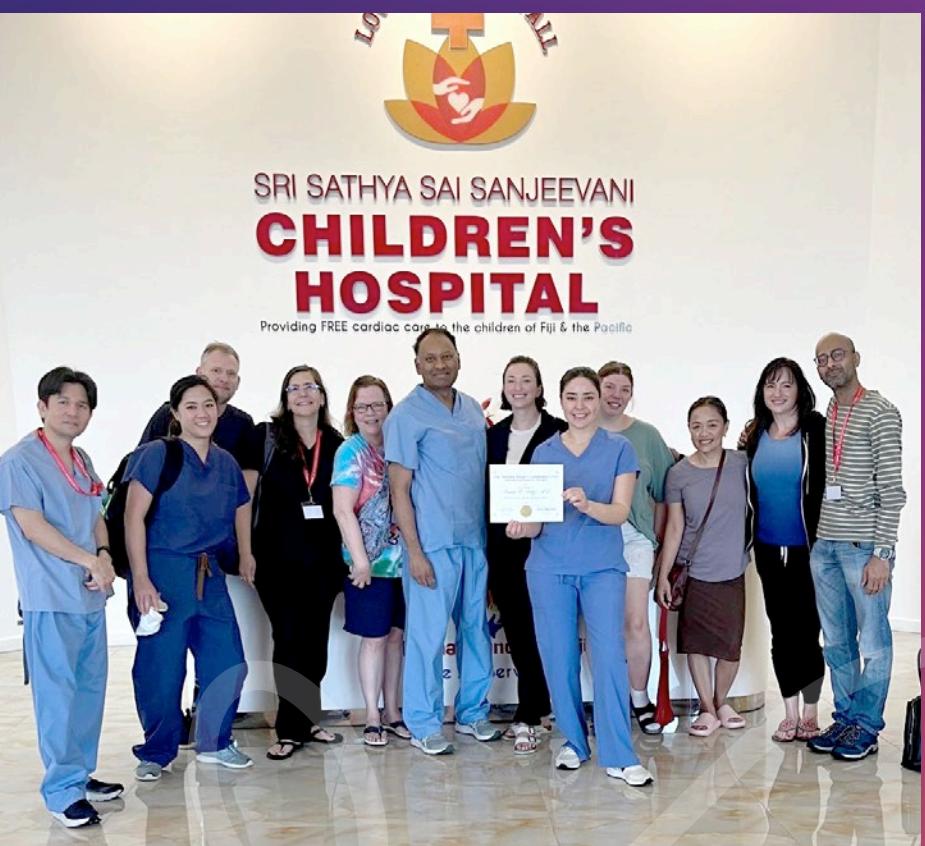
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TSF recognizes gifts at all levels made from January 1 through December 31, 2023, by generous surgeons, foundations, societies, individuals, corporations, and grateful patients. Their contributions support our mission and the future of the cardiothoracic surgery specialty.



Dr. Shaun Setty (center) and volunteers on a recent Every Heartbeat Matters humanitarian outreach trip to Fiji and the South Pacific.

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Marc B. Bloom, MD
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Jonathan P. Bokserger, DO
Peter J. Bolan, MD
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Mark R. Bonnell, MD
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Donnell K. Bowen, DO
Jon D. Boyum, MD
Timothy Michael Brand, MD
Preben Brandenhoff, MD
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Joel S. Corvera, MD
Kimberly E. Costas, MD
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Lawrence R. Crist, DO, MBA
John D. Crouch, MD
Maria E. Currie, MD
Heather M. Currier, MD
Robert J. Dabal, MD
Reza R. Dabir, MD
Peter S. Dahlberg, MD, PhD
David A. D'Alessandro, MD



“In the long-term, the TSF fellowship has further solidified my clinical and academic interest in the subspecialty of heart failure.

It has allowed me to gain crucial background about the processes required to develop new therapies and surgical techniques to be translated to the clinical sphere and the means to establish a track record for subsequent future early career funding.”



Krish C. Dewan, MD, MS

2023 STSA Resident Research Award Recipient

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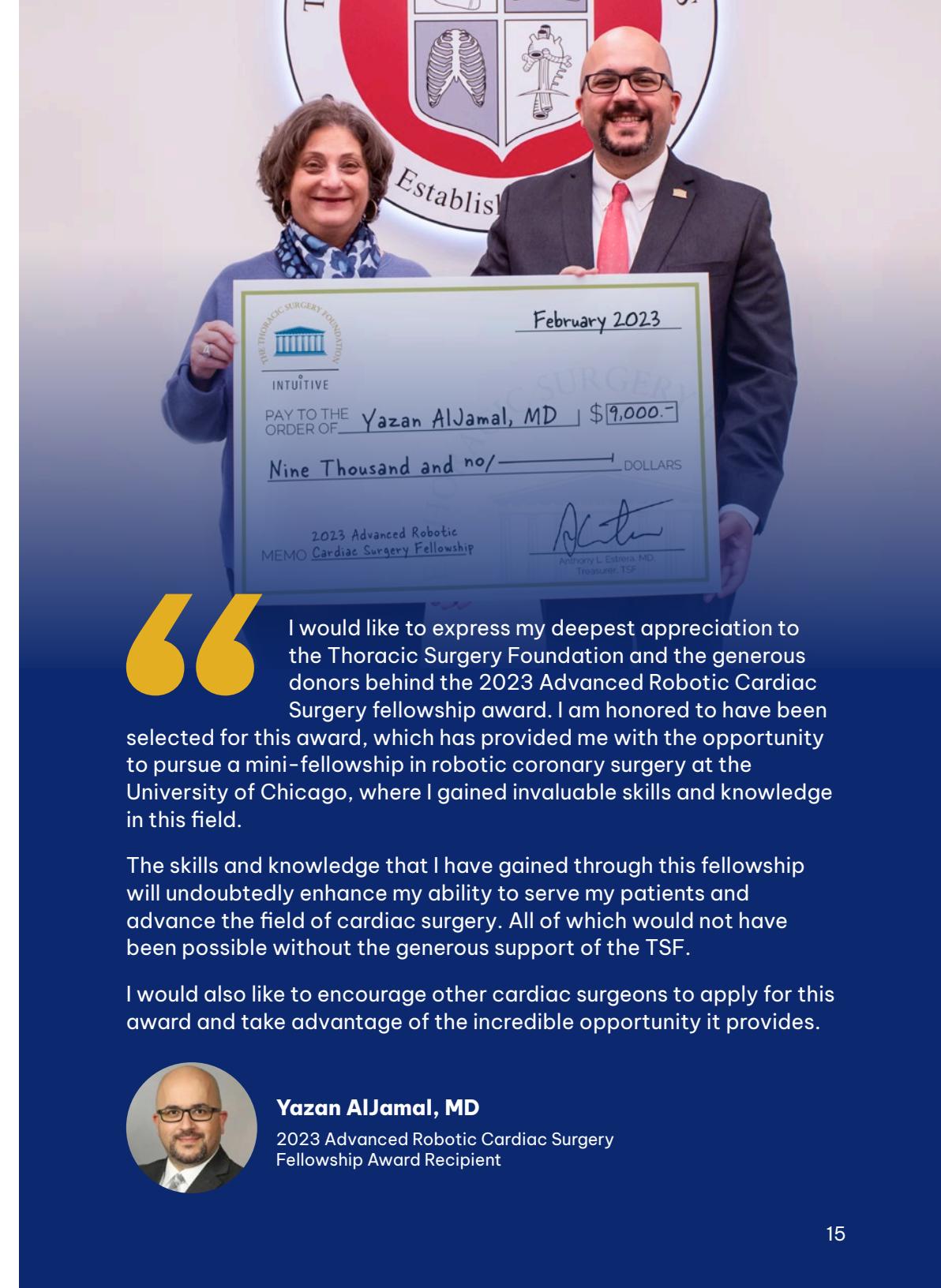
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 John G. Markley, MD
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 Steven W. Marra, MD
 Timothy P. Martens, MD, PhD



“

I would like to express my deepest appreciation to the Thoracic Surgery Foundation and the generous donors behind the 2023 Advanced Robotic Cardiac Surgery fellowship award. I am honored to have been selected for this award, which has provided me with the opportunity to pursue a mini-fellowship in robotic coronary surgery at the University of Chicago, where I gained invaluable skills and knowledge in this field.

The skills and knowledge that I have gained through this fellowship will undoubtedly enhance my ability to serve my patients and advance the field of cardiac surgery. All of which would not have been possible without the generous support of the TSF.

I would also like to encourage other cardiac surgeons to apply for this award and take advantage of the incredible opportunity it provides.



Yazan AlJamal, MD

2023 Advanced Robotic Cardiac Surgery Fellowship Award Recipient



TSF President Dr. Joe Dearani announces recipients of the 2023 TSF Awards during the VIP Reception in Los Angeles.



Three 2023 TSF awardees connected in Brussels, Belgium during their award programs.
From L to R: Dr. David Zapata, Dr. Marcio Rufino Barbosa Jr., Dr. Scott C. DeRoo

Jeremiah T. Martin, MD
Carlo Martinez Torres, MD
Mario Matos-Cruz, MD
Thomas L. Matthew, MD
Michael C. Mauney, MD
Demetrios K. Mavroidis, MD
Constantine Mavroudis, MD
Mark W. Maxfield, MD
Sean McCarney, MD
Daniel P. McCarthy, MD
Christine M. McCarty, MD
James McClurken, MD
Kenneth R. McCurry, MD
Edwin C. McGee Jr., MD
Thomas M. McGovern, MD
John M. McKinney, MD
Allison J. McLarty, MD
Michael Keith McLean, MD
Jeffrey D. McNeil, MD
Rachel Laura Medbery, MD
J. Hunter Mehaffey, MD
Richard J. Mellitt, MD
Serguei Melnitchouk, MD
Walter H. Merrill, MD
HelenMari Merritt Genore, DO
Gregory N. Messner, DO
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David B. Meyer, MD
Mark J. Meyer, MD
Stephen L. Meyer, MD
Stephanie L. Mick, MD
George J. Mikos, MD
Kyle Miletic, MD
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David J. Miller, DO
Jacob R. Miller, MD
Jeffrey Miller, MD
Jeffery S. Miller, MD
Kevin B. Miller, MD
O. LaWayne Miller, MD
Jeffrey C. Milliken, MD
Kenji Minakata, MD, PhD
Oktavijan P. Minanov, MD
Douglas J. Minnich, MD
Shafi G. Mohamed, MD
Hamid R. Mohammadzadeh, MD
Khaja Moinudddeen, MD
Salvior Mok, MD
Nahush A. Mokadam, MD
Ezequiel J. Molina, MD
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Eric Munoz, MD
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Network for Good
R. Brent New, MD
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Andrew Nguyen, MD
Dao M. Nguyen, MD
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Shuab Omer, MD
Mark Onaitis, MD
Jose G. O'Neill, MD
Roy Oomen, MD
Yishay Orr, MD, PhD
Mark B. Orringer, MD
Satoru Osaki, MD
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Nirav C. Patel, MD
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Matthew Pommerening, MD
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Eyal E. Porat, MD
Kostantinos P. Poulikidis, MD
Timothy J. Powell, MD
Lindsey M. Prescher, DO
Ourania A. Preventza, MD

Advancing Heart and Lung Health for All



Dr. Aldo Rafael (bottom right) and his team of volunteers during a 2023 humanitarian outreach trip to Lima, Peru

Ara K. Pridjian, MD
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Ashish Pulikal, MD
Sorin V. Pusca, MD
John D. Puskas, MD
Ricardo Quarrie, MD
Xingyi Que, MD
Jacquelyn A. Quin, MD
James A. Quintessenza, MD
David G. Rabkin, MD
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Goya V. Raikar, MD
Siva Raja, MD, PhD
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Denis P. Raleigh, MD
Mahesh K. Ramchandani, MD
M. Paul Randhawa, MD
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Want to learn more about what we're fighting for?



Scan the QR code to watch a brief video and to see our mission in action.



A New Look for 2024

A New Brand That Reflects Our Vitality and Mission

At the core of TSF is our mission of advancing heart and lung health for all. We believe this refreshed branding perfectly captures the spirit and energy of The Thoracic Surgery Foundation. The new logo is not just a visual update; it is drawn to elicit a feeling of momentum, reflecting the forward-thinking nature of TSF.

See the new branding in action on our updated website: ThoracicSurgeryFoundation.org



1988

Originally designed to symbolize a foundation for progress in cardiothoracic surgery, TSF (then TSFRE) adopted its original logo in 1988.

2024

In a big leap forward, TSF adopts a new, vibrant branding strategy that truly represents the dynamic nature and impact of our work.



Scan the QR code or visit bit.ly/TSFBrand
to read more about our branding story.

2024

Surgeon Match Challenge



**TSF is the charitable heart of
The Society of Thoracic Surgeons**

The 2024 Surgeon Match Challenge is underway! The Society of Thoracic Surgeons has generously pledged **\$150,000** to match surgeon donations made to TSF this year.

Please consider a gift today that doubles your impact – and supports TSF's mission to advance heart and lung health for all.



Please make your gift today!

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