

2019 ANNUAL REPORT



SHARING THE IMPACT AND POTENTIAL OF RESEARCH

The Penny Anderson Women's Cardiovascular Center



Creating a world without heart and vascular disease

ABOUT THE MINNEAPOLIS HEART INSTITUTE FOUNDATION® (MHIF)

The Minneapolis Heart Institute Foundation® is an independent, nonprofit organization that makes cardiovascular research and education possible. MHIF research discovers hope for patients through new treatments and care practices to ensure the best outcomes for all kinds of heart and vascular conditions.

At the core of our work is research designed and led by our partners and world-renowned physician researchers from the Minneapolis Heart Institute®, who bring deep cardiovascular expertise. This work is fully funded through charitable gifts from donors. Charitable giving also supports our staff of research experts who care for patients and manage the research studies.

About half of MHIF research is designed by physicians asking questions, *“How can we do better for patients?”* The other half of MHIF studies are done with support from companies that have new medicines and technologies and need research to understand their safety and potential to help patients. For some patients, new options available through research are the only hope they have left.

In addition to this important research, MHIF is equally committed to education, which includes sharing the results from research around the world and raising awareness about heart and vascular conditions with patients and providers. We also offer internships and fellowships that support our commitment to educating the next generation of health care providers.

Heart disease is the #1 killer of men and women. Every day we work to change this and create a world without heart and vascular disease.



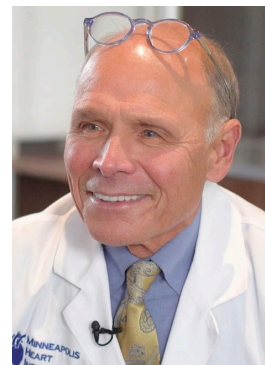
Message from the CEO and CMO

This publication is a reflection on 2019 and we couldn't have imagined what was to come in 2020. We are so grateful for the strong foundation that you, our partners, have helped us build that has strategically positioned us as we navigate the challenges of 2020 and beyond.

As we write this message, our communities and our world face an unprecedented pandemic and a level of unrest that is heartbreaking, at the same time shining a light on our need for meaningful change. We celebrate the heroes we have seen come forward during this time, including frontline health care workers, researchers and other partners who are working with us to forge new pathways that will address health care disparities and increase access for all patients. We share a passion with the peaceful voices that are pushing for change. As we reflect on 2019, you will notice highlights that remind us of the promise that comes from research and education.



Kristine Fortman, PhD



Scott Sharkey, MD

Community and business leaders Lee and Penny Anderson made a transformational impact on women's heart health research and education with a historic gift of \$5 million, creating the Penny Anderson Women's Cardiovascular Center. Many of you may know Lee and Penny because of APi Group or because of their philanthropic leadership throughout the country. This gift is the largest contribution in our history and will touch the lives of many women and their families for generations to come. Thank you Lee, Penny, and the Anderson family, for your commitment. Your support will go a long way to erase the 35-year gap that exists around women's heart health research, treatment and outcomes..

Our work encompasses all aspects of cardiovascular care; we are equally committed to research and education. We are so grateful to our Minneapolis Heart Institute® physician partners who lead the research, our patients who participate and contribute to helping so many other patients in the future, our staff who work tirelessly to pursue the MHIF mission and our community of donors who make all of this possible. You are an inspiration!

Key highlights from 2019:

- **We witnessed first-in-human and first-in-the-world research**, like the first implant in a pivotal clinical trial for a new technology to treat tricuspid valve regurgitation. We are proud our industry partners choose MHIF to lead that research.
- **We remained committed to sharing the learnings from our research**, publishing more than 200 manuscripts in peer-reviewed journals. In 2019, our physicians and staff participated in every major national and international cardiovascular conference.
- **We pursued research to answer – what can we do better for patients?** Approximately half of our studies are designed and led by MHIF research physicians (physician-initiated research) to answer that important question.
- **We honored our responsibility to educate the next generation of healthcare providers.** Our Foreign Scholar program brought physicians to MHIF from Brazil, China, Greece and Japan. We also celebrated a successful summer research internship program with 10 interns.

We live our mission through our work every day – to improve the cardiovascular health of individuals and communities through innovative research and education and we are reminded every day that patients are at the heart of everything we do. Thank you for accompanying us on this journey to create a world without heart and vascular disease!

With sincere gratitude,

A handwritten signature in cursive script that reads "Kristine Fortman".

Kristine Fortman, PhD, Chief Executive Officer
Minneapolis Heart Institute Foundation

A handwritten signature in cursive script that reads "Scott Sharkey".

Scott Sharkey, MD, FACC, President and Chief Medical Officer
Minneapolis Heart Institute Foundation



▲ The annual Founders Event was a wonderful opportunity to honor the generosity of MHIF Founders and their families, meet the new research interns, and hear Missy Lavintman share her story of experiencing Spontaneous Coronary Artery Dissection and her journey through treatment and recovery.



▲ U.S. News & World Report recognized Abbott Northwestern Hospital as the #1 hospital in the Twin Cities and #2 hospital in Minnesota for the seventh year and our partners at MHI® – Cardiology & Heart Surgery were ranked #14 nationally.

■ More than 200 publications shared learnings from MHIF research in 2019.



▲ Ten interns completed the 2019 MHIF Research Internship Program. Since 2001, a total of 201 interns have contributed to 116 posters and presentations at international conferences and 154 peer-reviewed publications.

Valve Science Center

■ MHIF International Scholar Dr. Miho Fukui and Dr. João Cavalcante published a paper in *JAMA Cardiology* regarding transcatheter aortic valve replacement (TAVR) outcomes in aortic stenosis patients.



▲ The Valve Science Center team published data from a global feasibility study, which is the largest experience to date with transcatheter mitral valve replacement (TMVR), in the *Journal of the American College of Cardiology*.



▲ The “Take Control of Heart Health” educational campaign with Ampers featured people from all walks of life sharing their stories about living with, treating, researching, or losing a loved one to heart valve disease on 18 different Minnesota community radio stations.

■ At the 2019 Transcatheter Cardiovascular Therapeutics (TCT) conference, MHIF research was well represented with MHI® physicians and MHIF staff taking part in 56 presentations including nine podium talks, 33 poster or moderated abstracts, and 14 sessions where one or more physicians were a moderator, panelist or discussant.

Center for Coronary Artery Disease

■ MHIF International Scholars, Dr. Iosif Xenogiannis and Dr. Allison Hall, were selected among 10 finalists to present their findings in a Challenging Case Competition at the 2019 Chronic Total Occlusion (CTO) Summit in New York.



▲ Dr. Evangelia Vemou and Dr. Ilias Nikolakopoulos, both from Greece, returned to MHIF as full-time research scholars, working closely with Dr. Manos Brilakis on projects involving chronic total occlusions, saphenous vein graft disease, radiation and radial vs. femoral access strategies for cardiac catheterization.



▲ At the MHIF “Life After Stent” educational event, a panel of cardiologists shared information with more than 120 attendees on coronary artery disease and current research, when and why angioplasty may be needed, and what patients can expect going forward.

Penny Anderson Women's Cardiovascular Center

■ MHIF's sponsorship of the Twin Cities in Motion's Valentine's Day TC 5K helped raise awareness for women's heart health research; at the second annual Minnesota 5K SCADaddle® for Research we joined inspiring survivors of Spontaneous Coronary Artery Dissection (SCAD), their families and friends to rally around the cause to #ResearchHer.

■ The MHIF #ResearchHer campaign on social media helped draw attention to women's heart health, how women's research lags 35 years behind that of men's, and what we're doing to close the gap.

■ MHIF researchers published an important study in *JACC Journals* comparing revascularization strategies and outcomes in patients with STEMI due to SCAD versus STEMI due to atherosclerosis.

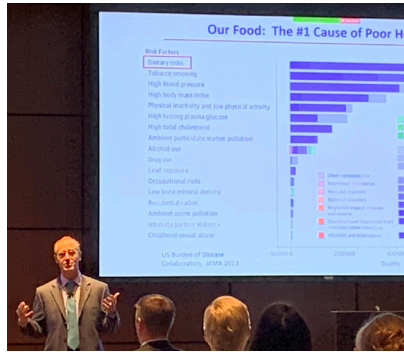


▲ At our annual Heartbeat Gala, more than 650 guests enjoyed an inspiring evening and we were honored with a historic \$5 million gift from Lee and Penny Anderson to establish the Penny Anderson Women's Cardiovascular Center.

Prevention Research and Education

■ Our 2019 Cardiovascular Prevention Symposium educated physicians, advanced care providers and support staff on updated 2018 ACC/AHA Guidelines on the Management of Blood Cholesterol on the identification and treatment of cardiovascular disease.

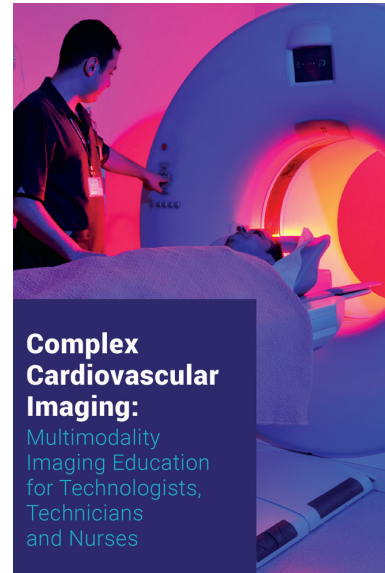
■ Dr. Mike Miedema published an original investigation in *JAMA Open* regarding coronary artery calcium (CAC) testing in young adults; approximately 34 percent of adults ages 30-49 in the study were found to have plaque.



▲ MHIF hosted an open-to-the-public Grand Rounds 2019 Kevin Graham Prevention Lecture with Dr. Dariush Mozaffarian presenting on the topic of dietary priorities to improve cardiometabolic health and how we can integrate "Food is Medicine" into a health care system.

■ Researchers from MHIF's Population Health Team and Allina Health published findings in *Preventive Medicine Reports* that found that over the first six years of Hearts Beat Back: The Heart of New Ulm Project in New Ulm, Minn., achievement of adequate physical activity increased from 63 percent to 71 percent, and consumption of at least five servings of fruits and vegetables per day nearly doubled.

Innovation



Complex Cardiovascular Imaging:
Multimodality Imaging Education for Technologists, Technicians and Nurses

▲ At our Complex Cardiovascular Imaging Conference for cardiovascular imaging technologists, technicians and nurses, industry experts shared current principles, techniques, risks and limitations of different imaging modalities.



▲ Dr. João Cavalcante served as a social media ambassador for *PCRonline* representing imaging specialists discussing the role of multi-modality imaging, specifically MRI, in the aortic valve.

■ Nearly half of the MHIF research studies in 2019 were designed and led by our physician researchers from the Minneapolis Heart Institute®.

FAR-REACHING IMPACT OF MHIF RESEARCH

In 2019, our MHIF physicians and their teams conducted more than 200 studies designed to improve care and save lives for patients with coronary artery disease, heart attacks, unhealthy heart valves, heart failure, heart rhythm problems, genetic heart conditions, vascular disease, high blood pressure, high cholesterol, a family history of heart disease, and more.

WOMEN'S CARDIOVASCULAR HEALTH

Heart disease kills more women than all forms of cancer, Alzheimer's disease, and respiratory diseases combined. Yet when it comes to heart disease, women are understudied, underdiagnosed and undertreated. A few highlights:

Penny Anderson Women's Cardiovascular Center

Penny and Lee Anderson committed the largest donation (\$5 million) in MHIF's history, a gift that will be dedicated entirely to funding research and education on women's heart health. In honor of this transformational contribution, MHIF announced that its new women's center is poised to further our commitment to conduct innovative, evidence-based research.



Improving heart disease screening for women

Dr. Retu Saxena provided training to more than 170 ob-gyn and women's care practitioners across the Twin Cities to help them better manage cardiovascular risk among their patients. This included awareness of pregnancy-induced conditions that increase a woman's health risks

immediately following delivery of a baby and for many years to come.

MHIF-driven research projects

MHIF teams worked on two Spontaneous Coronary Artery Dissection (SCAD) research projects. SCAD occurs when a tear forms in one of the heart's blood vessels and happens primarily in women in their 30s and 40s. Through a partnership with Cedars Sinai Medical Center, MHIF is identifying and analyzing known cases to understand the best way to treat SCAD. MHIF has captured data on more than 100 SCAD patients enrolled in this research registry.



HEART VALVE DISEASE

For patients with severe heart valve disease who don't seek treatment, the survival prognosis is one to two years – worse than most cancers. Under the leadership of Dr. Paul Sorajja, Roger L. and Lynn C. Headrick Family Chair for Valve Science Research, MHIF continued breakthrough research in minimally invasive, non-surgical valve repair and replacement. A few highlights:

Tricuspid regurgitation (leaky tricuspid heart valve)

MHIF enrolled the first patient nationwide, and the first patient in the Midwest, in two national clinical trials evaluating different catheter-based, non-surgical treatments for patients with severe tricuspid regurgitation.

Prevalence and treatment disparities

Dr. Mario Gössl began the first U.S. prospective population heart valve disease screening study in New Ulm, Minn., to understand the prevalence of undiagnosed heart valve disease among older adults age 65+. He also continued the TVINCITIES Disparity Study to better understand racial and ethnic disparities in the treatment of valve disease in order to help improve access to life-saving therapies like transcatheter aortic valve replacement (TAVR).

CORONARY ARTERY DISEASE (CAD)

CAD is the most common type of heart disease and afflicts 16.5 million Americans over the age of 20.

Under the leadership of Dr. Emmanouil Brilakis, MHIF's Center for Coronary Artery Disease team continued its work to decrease the burden of CAD. In 2019, the team shared their research:



Dr. Emmanouil Brilakis

- Authored 63 publications, including peer-reviewed manuscripts
- Conducted 48 invited presentations at 22 meetings (15 in the US, 7 international); 5 live case presentations and proctoring of CTO procedures
- Presented 25 abstracts/posters via moderated and oral presentations

PREVENTION

Heart disease is the #1 cause of death for both men and women in the U.S., which is why MHIF is committed to helping prevent heart disease before it happens. A healthy lifestyle can significantly decrease your risk for heart disease by up to 80 percent. But there is still much more we can learn about the best ways to identify people at risk and prevent even more heart and vascular disease. MHIF researchers are using data to

develop innovative risk assessment tools and find ways to better manage and reduce risk factors that make it easier for people to prevent and treat heart disease.

Statin Intolerance

Statin therapy for the primary and secondary prevention of cardiovascular disease (CVD) has been shown to significantly reduce the risk of CVD events. However, many patients are concerned about potential side effects, particularly related to musculoskeletal complaints. Statin intolerance is one of the most complicated clinical issues in preventive medicine. Dr. Michael Miedema's DESIFOR Trial aims to establish a true test for statin intolerance, the results of which may benefit patients, providers and insurers.



Dr. Michael Miedema

MHIF Completes First-in-World Enrollment in RADIANCE-II Study

High blood pressure affects more than one billion people worldwide, yet nearly one in three individuals struggle to control their blood pressure despite being on medication. For a growing subset of patients, medications either don't work or are not tolerated, which puts them at greater risk of serious complications.

In 2019, under the leadership of Dr. Yale Wang, MHIF became the first clinical research site worldwide to randomize a patient in a multi-center clinical study that is evaluating a minimally-invasive, catheter-based procedure that may lower blood pressure and reduce a person's need for blood pressure medications. During the procedure, surgeons place a small, flexible catheter into the kidney arteries. This investigational device delivers selective ultrasound energy to the surrounding tissue to inactivate the kidney nerve endings and thereby lower blood pressure.



Dr. Yale Wang

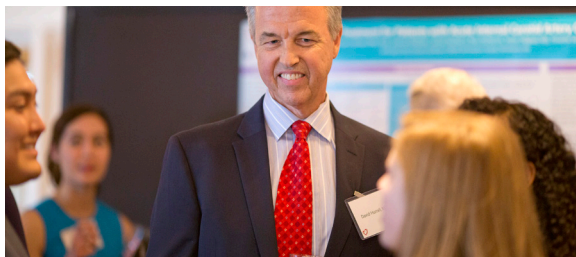
MAKING A DIFFERENCE THROUGH EDUCATION

Throughout our rich history, education has been an essential part of MHIF's mission to create a world without heart and vascular disease. Through our publications and lectures we disseminate our research findings to physicians and health care professionals throughout the world, thereby improving patient care and extending lives. In 2019, we continued our strong history of translating research into clinical practice through:

- **Publication of more than 200 manuscripts in professional journals** share learnings from research. Throughout our rich history, MHIF researchers have presented and published several thousand peer-reviewed abstracts and manuscripts. As just one example of our impact, two publications by MHIF's Valve Science Center team were included in the Editor-in-Chief's Top 100 Picks from 2019 in the *Journal of the American College of Cardiology*.



Dr. Timothy Sullivan at Grand Rounds in 2019



Dr. David Hurrell talking with interns

- **Professional education events allow MHIF to extend our new findings to local, national and international audiences.**

Through our annual series of 32 Cardiovascular Grand Rounds sessions, physicians and other health care providers had the opportunity to review and discuss the latest developments in prevention, treatment and care delivery. Over the summer, MHIF office space underwent a complete remodel, which now includes a new state-of-the-art Learning Center on the first floor.

- **Public education events help change behaviors and measurably improve heart and vascular health** in local, national and international communities. At our educational event for National Heart Valve Disease Awareness Day, more than 165 community members learned about the public health epidemic of heart valve disease, how it's diagnosed, and the latest in research and treatments. Our fourth annual Hope, Health & Humor women's event attracted more than 200 women to be inspired by information about their own heart health from a panel of female MHIF cardiologists, along with delicious food and drink.



“ I pinch myself every day I come into work, I pinch myself looking at what the foundation has added to the world. They continue to advance science at a faster and faster pace every year. ”

Dr. William Katsiyannis, electrophysiologist and president of Minneapolis Heart Institute®

Educating the next generation of health care professionals across the world

As part of our commitment to education, MHIF works to leave a legacy of training future and global leaders in the field of heart and vascular health. Our 12-week Research Internship Program provides undergraduates who are pre-med or planning a career in medicine an outstanding and unique opportunity to learn about and explore cardiovascular medicine and participate in research. Our Foreign Scholar program brings practicing physicians from countries around the world to work directly with MHI® physicians and advance their investigator-initiated cardiovascular research at MHIF. In 2019:

- We welcomed 10 summer interns, who worked alongside MHIF research physician mentors to contribute to 15 clinical research studies and numerous publications. In addition to research work, interns spent 100 hours on shadowing, observations and other field trips.
- The 2019 foreign scholars were all practicing physicians in their home countries and came to MHIF from Brazil, China, Greece and Japan. In 2019, these scholars contributed to 47 publications and 48 posters or presentations about MHIF research at key national and international conferences.
- Two foreign scholars worked with Dr. Paul Sorajja, Roger L. and Lynn C. Headrick Family Chair for Valve Science Research, and three scholars worked with Dr. João Cavalcante in the MHIF Cardiovascular Imaging Research Center.



2019 class of summer research interns



Bavana Rangan, program director, Center for Coronary Artery Disease, and a few of the 2019 MHIF foreign scholars

- Two research scholars from Greece worked with Dr. Manos Brilakis focused on projects for our Center for Coronary Artery Disease (CCAD) involving chronic total occlusions, saphenous vein graft disease, radiation and radial vs. femoral access strategies for cardiac catheterization.

“ I’ve learned that doctors don’t just help patients, they also advance the scientific progress of health care and aid students that aspire to follow in their footsteps in an assortment of different ways. ”

Felix Oh, Morrison Intern

“ My research internship experience at MHIF has persuaded me to incorporate clinical research into my future career in medicine so that I can see novel therapies developed and implemented for improved patient outcomes. ”

Chase Soukup, Cline and Dianne Hickok Intern

PATIENT STORY

Thankful and Blessed for Heart Transplant Research

Nancy Russell of Cable, Wisconsin, is extremely grateful for the MHIF research that saved her life. For more than a decade, various medications and devices had helped treat her congestive heart failure, which she had developed after a serious heart attack in 2006. However, by the summer of 2019, Nancy's condition had progressively worsened. A heart transplant was her only option left.

"My doctor said I was at the end stage of congestive heart failure and there was nothing more they could really do. He sent me to Minneapolis Heart Institute® and thank goodness he did," said Nancy.



Nancy (middle) with Kari Williams (left), clinical research manager for heart failure, and Kari Thomas (right), clinical research coordinator.

Nancy learned of an opportunity to potentially receive a donor heart faster by participating in a new MHIF research study. This was exciting for her, because at any given time, there are nearly 3,700 patients on the National Heart Transplant List waiting for a heart. The availability of donated hearts remains limited and tragically, many patients die waiting before a donor is found. One of the biggest reasons is that a heart transplant must occur within six hours. The longer the heart is outside the body, the riskier it is to implant the heart.

Beginning in the summer of 2019, MHIF heart failure researchers, in partnership with the Abbott Northwestern Hospital Heart Transplant Program, became one of 10 centers nationally involved in a clinical trial studying the investigational TransMedics Organ Care System (OCS™). Often referred to as a "Heart-in-a-Box", the OCS™ Heart is a revolutionary system that preserves a donor heart by keeping it beating. This is a vast difference from the current approach of simply storing the organ on ice in a cooler for transport. The new approach could mean that potentially more organs that have historically went unused could be viable for a transplant longer.

In late June 2019, Nancy signed up to participate in the study and was added to the National Heart Transplant List. As a result, she received her new heart on Sept. 4, 2019, less than three months later.

"It was just unbelievable; I didn't think it would happen that fast," said Nancy. "I'm so thankful and I feel so blessed. I can't wrap my head around how they do these things. It's just a miracle, it really is."

“We are honored to have the opportunity to play a part in giving patients a second chance at life. We are excited to be researching this unique system that may hold the potential to help save many more lives.”



Dr. Karol Mudy, cardiothoracic surgeon and principal investigator on the MHIF research study

Highlights From a Few Members of the MHIF Board

We are grateful to the members of MHIF's Board of Directors, who all bring a wealth of experience, knowledge and unique perspective along with their passionate support for MHIF and its vision. Their dedication to exceptional governance guides MHIF in continuing its legacy of cardiovascular disease innovation. Meet a few members who served in 2019:

Greg Graves, MBA

Greg is executive vice president and chief financial officer for Entegris. He joined the Board in 2016 and is chair of the finance and audit committee. Greg's uncles and his dad all died from heart disease before the age of 60, so when he was asked to join the board, he knew it was something he could be passionate about.

"It's been fun for me to learn a lot more about heart disease and the differences MHIF® is making through research. You have to have a strong organization to be successful at the mission and it's pretty amazing what MHIF has done over the last two to three years in terms of shoring up the organization and finances. We're doing way more than we were three years ago thanks to the leadership that brought the organization into such a good place."



Carol Huttner, RN, BSN, MA

Carol joined the MHIF Board in 2016 and also serves on the Abbott Northwestern (ANW) Hospital Board. She started working at ANW in 1980 and held positions as a clinical nurse specialist, director of cardiovascular and critical care nursing, and vice president for patient care. She recently retired from SpecialtyCare as president of operations for the North Central Division. Carol said she's witnessed some amazing milestones. She arrived at ANW one month after one of MHIF's Founders, Dr. Robert Van Tassel, performed the very first angioplasty and she was there when doctors performed the first human heart transplant.

"If you think about all of the brilliant minds that have been pulled together at MHI®, and how that impacts the foundation, it's absolutely amazing to think about the incredible advances that have been made in cardiovascular disease care, and seeing patients who wouldn't have been able to even live being able to carry on their lives."



Patrice Kloss, JD

Patrice is an attorney at Fox Rothschild, representing medical technology companies and investors. She joined the board in 2018 thanks to her professional mentor, former board member Bill Kaufman.

"Heart disease affects all of us at some point in our lives. I'm very proud of the research MHIF does with patients and improving clinical outcomes; it's just phenomenal. I'm excited about the new Penny Anderson Women's Cardiovascular Center, just knowing that there hasn't been as much research done on women and heart disease. Having MHIF be the center of that work is really important."



Don Smithmier, MBA

Don is senior director for West Monroe's digital product studio, formerly known as GoKart Labs, a company he founded. With a background in digital technology and particularly education, Don has embarked on several entrepreneurial ventures and is also founder and executive chairman of The Big Know. He joined the MHIF Board in 2018.

"It's clear to me that MHIF is a world-class organization with really passionate people involved in every role. When I think about MHIF, I get really excited about how we can break open new ways and new expectations for how people get access to knowledge and research and care. There's a whole spectrum of ways that we can communicate with people, educate people, share our research and provide services."



Minneapolis Heart Institute Foundation 2019 Donor Recognition

PHYSICIAN GIVING

We would like to thank our physicians from the Minneapolis Heart Institute® for your generosity. You are an inspiration as we work together to create a world without heart and vascular disease.

Physician Leader

Jason Alexander, MD, and Leila Tabibian
Said Alsidawi, MD
Richard Bae, MD, and Lauren Kim-Bae
Mosi Bennett, MD, and
Vickie Gilfillian-Bennett
Steven Bradley, MD, and Kelly Ryan
Emmanouil Brilakis, MD, and Nicole Brilakis
M. Nicholas Burke, MD, and
Sue Slattery-Burke
Barry Cabuay, MD, and Holly Cabuay
Alex Campbell, MD
Ivan Chavez, MD, and Gail Chavez
Matthew Chu, MD, and
Catherine Mackiewicz Chu
Peter Eckman, MD, and Erika Olson
Eric Fenstad, MD, and Brooke Fenstad
Thomas Flavin, MD, and Elizabeth Flavin
Mario Gössl, MD
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Elizabeth Grey, MD, and Martin Asis
Katarzyna Hryniewicz-Czeneszew, MD, and
Sybi Czeneszew
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Desmond Jay, MD, and Podaly Jay
Casey Lawler, MD, and Royce Lawler
John Lesser, MD, and Julie Lesser

David Lin, MD, and Kendra Kubiak
Terrence Longe, MD, and Barbara Longe
Jesse Manunga, MD
Michael Miedema, MD, and Allison Miedema
Mike Mooney, MD, and Jodi Mooney
JoEllyn Moore, MD, and Andrew Roalstad
Marc Newell, MD, and Kari Newell
Quirino Orlandi, MD, and Helena Orlandi
Manju Pai, MD, and Liz Pai
Anil Poulouse, MD, and Sheila Carr
Michael Samara, MD, and
Stephanie Samara
Retu Saxena, MD, and Greg Ripley
Jay Sengupta, MD, and Ria Bardhan
Scott Sharkey, MD, and Patricia Sharkey
Paul Sorajja, MD, and Abbie Young
Peter Stokman, MD, and Marcie Stokman
Timothy Sullivan, MD, and Amy Sullivan
Benjamin Sun, MD, and Mabel Sun
Ashenafi Tamene, MD, and
Selome Gebremariam Gezahegn
Chuen Tang, MD, and Angela Tang
Norma Thiessen, MD
Jay Traverse, MD, and Sarah Traverse
John Zakaib, MD, and Amy Sue Zakaib
Peter Zimbwa, MD, and Margaret Zimbwa

Physician Sustainer

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Durand Burns, MD, and Renee Burns
Luis Pagan-Carlo, MD
Timothy Dirks, MD, and Teresa Dirks
Frazier Eales, MD, and Heidi Eales
Kevin Harris, MD, and Ila Harris
William Katsiyiannis, MD
Thomas Knickelbine, MD, and Heidi Chen
Yale Wang, MD, and In-Zu Tuan

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Wesley Pedersen, MD, and
Stephanie Pedersen
Bassam Shukrallah, MD
Craig Strauss, MD, and Leigh Strauss
Robert Steffen, MD

HONOR GIFTS

We are grateful to those who made gifts in honor of family, friends, physicians and caregivers. Honorees are listed in bold.

Richard Bae, MD

Jack Lewis

Kristen Bowlds

Matt Bykowski and Nick Schneider/
SchneiderStock

M. Nicholas Burke, MD

Sandra and Douglas Milroy
Susan and Gary Rappaport

Marna and Brian Dahlgren

Nora Tilsner

Stephanie Ebnert

Jack Lewis

Craig Evanich

Rebecca Thompson

Mario Goessl, MD

Jack Lewis

KCMC and the Foundation

Judith and John Reiling

Harvey Mackay

Neil Naftalin

Maurice McLinn*

Kristin McLinn

Sara Olson

Jack Lewis

Michael Samara, MD

Wayne Boike

Paul Sorajja, MD

Jack Lewis

Matt Strodel

Anne and Michael Ryan

Benjamin Sun, MD

Jack Lewis

Alan Tersteeg

Anonymous



MEMORIAL GIFTS

We are grateful to those who made gifts in memory of loved ones. Names in bold are those of the deceased.

Harriet Adelson

Cino Adelson

Dale Adolf

Patricia and Kevin Adolf and family and friends

Rolf L. Andreassen, MD

Norma Neumann

Susan Ashwell

Gloria and Bill Walsh

Jason E. Bass

Patricia and Mark Bass

Gail and David Brown

Family and friends

Carol Beecher

Mary Beecher

James Behrendt

Gloria and Bill Walsh

William Chiles Carr

Carolyn and Bob Laskey

Donald Conley

Elizabeth and Wayne Fadden

Mary Beth Egesdal

Shirley* Bentdahl

Beth Emery's mother

Gladys Walcker

Keith Engen

Darlene Salentine

Margie Fischer

Amy and Richard Fischer

David Forster

iBehavior Inc.

Claudia Frasca

Gloria and Ron Hovland

Charlotte Getten

Ann Yoerg

Ryan Giguere

Roberta and Jack Conrad

Suzanne and Don Dilla

Sue and Tom Giguere

Mary and Daniel Kehoe

Cindy and Mark Kreidermacher

Philomena Morrissey Satre and

Eric Satre

Cheryl and Jeffrey Spangler

Gladys Grant Dahl

Jacquelyn and James Sandidge

James "Jim" Hanrahan

Pete Althaus/the Quest Guys

Sharon and Donald Althaus

Kelly Becker/the Nichols, Smith,

Hunnicuttt and Becker families

Jessica Geffre/The Treasury Team at

Allina

Carole Hanrahan

Carol and Merrimon Hipps

Kate Richards

Robert Hatzebeller

Clay and Tom Dahl

Family and friends

Margaret and Randolph Florek

Catherine Hatzebeller

Claudia Osterud

Sandra and Jerry Peterson

Maurice Hayes

Marion Hayes

Dora Herman

Paula Duffey

Thomas Ireland

Caryn Ireland

Robert "Bob" Jellison

Nola and Dennis Abraham

Laurie Anderson

Martha and Algene Bradbury

Carita Dahlberg

Karen Hansen and Lloyd Peterson

Gail Hofmann and Marcia Flint

Shirley and Dennis Gustner

DeeAnn and David Heitzman

Sandra Jellison

Sheree and Harry Johnson

Nancy Knauer

Donald Marystone

Janice Peterson

Nikole and Jason Podany

Kimberly Sue and Simon

Caleb Sheehan

Doc and Lois Toohey

Michael "Jim" Jennings

Bonnie Becker and Kerri Theisen

Douglas Bredeson

Sue and Pat Brennan

Monica and William Dawson

Sandra and Tim DeMars

Amy and Billy Ellis

Joan and R. Dean Grossman

Hopkins Youth Hockey Association

Joyce Jennings

Mary Jennings

Mike and Cara Jennings

Jimmy's LLC and family and friends

Therese Kienast

Karen Koentopf and Stephen Coleman

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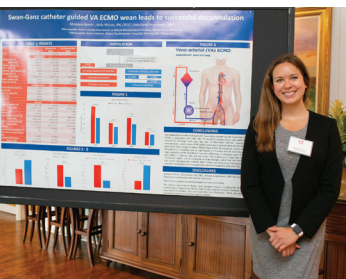
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Victor Cheng, MD	William Katsiyiannis, MD	Michael Samara, MD	Yale Wang, MD
Ivan Chavez, MD	Thomas Knickelbine, MD	Retu Saxena, MD	John Zakaib, MD
Matthew Chu, MD	Casey Lawler, MD	Robert Schwartz, MD	Peter Zimbwa, MD

Minneapolis Heart Institute Foundation Board of Directors

The MHIF Board of Directors is responsible for governance of all aspects of the foundation's organization, operations, policies and mission.

Jason Alexander, MD	Sharon Hawkins, <i>ANWF Representative</i>	Cheri Rolnick, PhD	<i>Directors Emeriti:</i>
Daniel Beranek	David Hurrell, MD	Retu Saxena, MD	Raymond Bentsdahl*
Conley Brooks Jr.	Carol Huttner	Robert Scott, MD	Kevin Graham, MD
M. Nicholas Burke, MD	Jerry Johnson, <i>Past Chair</i>	Scott Sharkey, MD, <i>Ex-Officio, MHIF President and Chief Medical Officer</i>	Robert G. Hauser, MD
Alan Carlson	William Katsiyiannis, MD	Archie Smith	Benjamin Jaffray
Christopher "Kit" Dahl, <i>ANWF Representative</i>	Patrice Kloss	Don Smithmier	Thomas Keller, III
Craig Evanich, <i>Vice Chair</i>	Thomas Knickelbine, MD	Jeffrey J. Steinle	Stuart Nolan
Kristine Fortman, PhD, <i>Ex-Officio, MHIF Chief Executive Officer</i>	Jim Mellor	Benjamin Sun, MD	Ray Plank*
Larry Getlin	Richard Meyer, <i>Ex-Officio, ANWF Representative</i>	Jay Traverse, MD	Robert Van Tassel, MD
Greg Graves	Lori Milbrandt	Carmen B. Volkart, <i>Treasurer</i>	Sheldon Wert*
Thomas Gunderson, <i>Chair</i>	David Milbrath, DDS	Raymond Yu, EDD	
	Peter Quimby, <i>Secretary</i>		*Noting deceased, prior to date of publication

Message from the Chairman

Over the last few years, the Minneapolis Heart Institute Foundation® (MHIF) has made important progress – building a strong foundation, assembling the right team and ensuring resources are in place to lead innovative cardiovascular research and education.

I would summarize 2019 with one word – confidence. MHIF has earned confidence that it is delivering on its mission and you see the evidence in the myriad of accomplishments throughout the year.

I am witnessing confidence in our strong partnership with world-renowned research physicians at the Minneapolis Heart Institute®. More than half of MHIF research is inspired, designed and led internally by our physician research partners. These physicians believe in the power and impact of this important research that is only possible because of MHIF funding and infrastructure. The other half of MHIF research is evaluating new medicines and technologies in partnership with leading manufacturers who bring first-in-the-world studies to MHIF. The physicians are equally committed to education – publishing and presenting the research to share learnings and challenge the standard of care on behalf of patients around the world.

Our philanthropic community is showing confidence in the potential impact of research. In 2019, we received the largest charitable gift in our history. Penny and Lee Anderson gave \$5 million to formally establish the Penny Anderson Women’s Cardiovascular Center because they recognized the opportunity to address the 35-year gap that exists in women’s heart health research. Women are different from men and more research is needed to understand and improve outcomes; MHIF is poised to make a substantial impact.

The MHIF team has earned confidence through their commitment to the MHIF mission every day. Nearly 75 percent of the MHIF infrastructure is a passionate team of researchers with experience to lead and execute research studies, including patient care responsibilities. The rest of the MHIF team is the infrastructure that helps lift up the mission. This involves bringing in funding and communicating outcomes as we engage with communities of donors, patients and health care professionals to drive the vision of a world without heart and vascular disease.

2019 is the conclusion of my nearly five years as Chairman of the Board. I’m proud to transition the role to Jeff Steinle, who brings leadership and vision to the MHIF Board from his own extensive career in the medical device industry. I have great faith in MHIF’s leadership team and I look forward to further supporting the important contributions MHIF will continue in heart and vascular research and education.



Thomas J. Gunderson
Chair, Minneapolis Heart Institute Foundation Board of Directors



Thomas J. Gunderson



Jeffrey Steinle

2019 Statement of Activities

REVENUES

	Percent	Operations	Funds with Time or Purpose Restrictions	Endowments	Total
Contributions	28%	\$3,515,022	\$6,886,796	\$20,000	\$10,421,818
Grants	4%	546,044	229,851	—	775,895
Research Study Revenues	47%	5,956,656	—	—	5,956,656
Investment Gain	0%	9,688	828,831	3,776,792	4,615,311
Net Assets Released from Restrictions	13%	1,613,525	(1,613,525)	—	—
Net Assets Released – Endowment Earnings	5%	710,357	—	(710,357)	—
Other Revenues	3%	422,363	—	—	422,363
Total Support and Revenues		\$12,773,655	\$6,331,953	\$3,086,435	\$22,192,043

EXPENSES

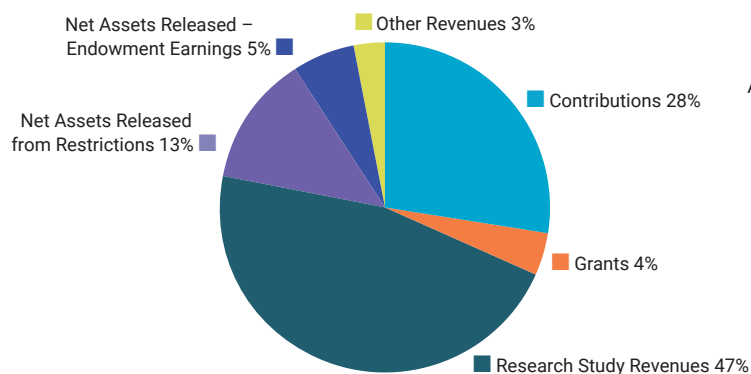
PROGRAM SERVICES

Education	10%	\$1,167,525	—	—	\$1,167,525
Research	60%	7,239,125	—	—	7,239,125
Total Program Services		\$8,406,650	—	—	\$8,406,650

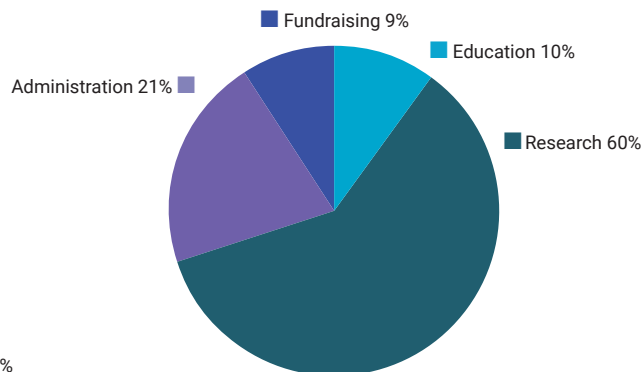
SUPPORTING SERVICES

Administration	21%	\$2,560,266	—	—	\$2,560,266
Fundraising	9%	1,102,153	—	—	1,102,153
Total Supporting Services		\$3,662,419	—	—	\$3,662,419
Total Expenses		12,069,069	—	—	12,069,069
Change in Net Assets		\$704,586	\$6,331,953	\$3,086,435	\$10,122,974

OPERATING REVENUES



OPERATING EXPENSES



2019 Balance Sheet

ASSETS

Cash and Cash Equivalents	\$ 3,856,638
Investments	25,760,982
Contributions Receivable	321,734
Pledges Receivable (net)	5,640,386
Other Receivables (net)	3,950,731
Other Assets	184,245
Fixed Assets (net)	1,979,114
Total Assets	\$41,693,830

LIABILITIES

Accounts Payable	\$462,988
Accrued Payroll	724,995
Accrued Pension	425,452
Other Accrued Expenses	533,764
Deferred Rent	1,058,372
Deferred Revenues	830,042
Total Liabilities	\$ 4,035,613

NET ASSETS

Without Donor Restrictions	\$6,671,847
With Donor Restrictions	30,986,370
Total Net Assets	37,658,217
Total Liabilities and Net Assets	\$ 41,693,830

The Minneapolis Heart Institute Foundation is a proud member of Community Health Charities Minnesota, an alliance of leading nonprofit health research and service organizations working to improve lives affected by chronic illness by investing in health research, services and education.



The Anderson's Unprecedented Impact

For the Andersons, a strong personal interest in women's heart health coupled with a commitment to help others inspired them to make a transformational gift to MHIF – the largest in the foundation's history. Lee and Penny were early founding supporters of MHIF, and Penny has previously served the Minneapolis Heart Institute Foundation's board of directors. Moreover, the couple shares a personal connection to heart disease and the donation was made in honor of Penny's service to the Foundation and passion to make an impact in the lives of women.

"Contrary to popular belief, just as many women die from heart disease each year as do men. I have been diagnosed with a heart ailment as were other members of my family and I was fortunate to have the best treatment available at the time," said Penny Anderson. "MHIF is poised to lead in women's cardiovascular health, helping to close the gap that exists, and I am honored to be part of this important effort."

Generous contributions from patrons like the Andersons enable MHIF to make an impact on patient awareness, increase provider education and encourage high-quality research to improve outcomes for women's cardiovascular care.



"We are extremely grateful to Penny and Lee Anderson for the wonderful partnership with the Minneapolis Heart Institute Foundation over a number of decades," said Dr. Scott Sharkey, Chief Medical Officer. **"For years we have identified a number of transformational cardiovascular research opportunities related to women but have not had the opportunity to carry our research forward. We now understand that men's and women's hearts are very different. This exceptionally generous gift will allow us to explore this line of research now and for generations to come."**

To learn more about Penny Anderson Women's Cardiovascular Center, visit mplsheart.org/women