



REPORT TO DONORS

Your giving made a difference in FY 2016

Hoag's Jeffrey M. Carlton Heart & Vascular Institute is proud to be among the top hospitals in the nation offering the latest technology and top-tier facilities to ensure patients have access to the highest quality of care. Nationally renowned, the Institute is the leader in Orange County with dedicated clinical programs such as the Nancy & Bill Thompson Heart Valve Center and Hoag Aortic Center. All of this is made possible by the generosity of donors.

The following report provides highlights of programs that you helped to support. Thanks to you, and other generous donors, Hoag provides our community with the latest in advanced care.



Aidan A. Raney, MD, FACS, FACCP, FACC, James & Pamela Muzzy Endowed Chair in Cardiovascular Surgery and a fellow clinician giving a tour of the Bob & Marjie Bennett Hybrid Surgical Suite at the Jeffrey M. Carlton Heart & Vascular Institute

**HOAG
PROMISE**

OUR CAMPAIGN TO LEAD,
INNOVATE & TRANSFORM



Hoag's Catheterization and Electrophysiology Lab team: Bryan Wheeler, RT (R), Angela Devlin, BSN, RN, Noel Isada, RT (R) and Manny Abesamis, RT (R). John Laufenburger, RT (R), not shown.

The Promise of Education

Specialized Certification for Key Clinical Staff

Cardiac arrhythmias occur when electrical impulses in the heart don't work properly and, if left untreated, increase risk of stroke and heart attack. Hoag's electrophysiology technologists work closely with Hoag cardiologists to diagnose and treat the full spectrum of arrhythmias in the Allan & Sandy Fainbarg Electrophysiology Cath Lab suites.

A cornerstone to cohesion and flow during procedures, it's critically important to have trained and certified electrophysiology technologists on the team. Thanks to the support of Pei-yuan Chia and Kitty Shen, all four of Hoag's highly specialized electrophysiology technologists have earned certification through Loma Linda University's Cardiac Electrophysiology Technologist (CEPT) hospital-based hybrid program.

"This certification raises the bar for everyone," says Angie Devlin, BSN, RN, manager of Hoag's Catheterization and Electrophysiology Lab. "Electrophysiology technologists are very important collaborators with physicians during procedures.

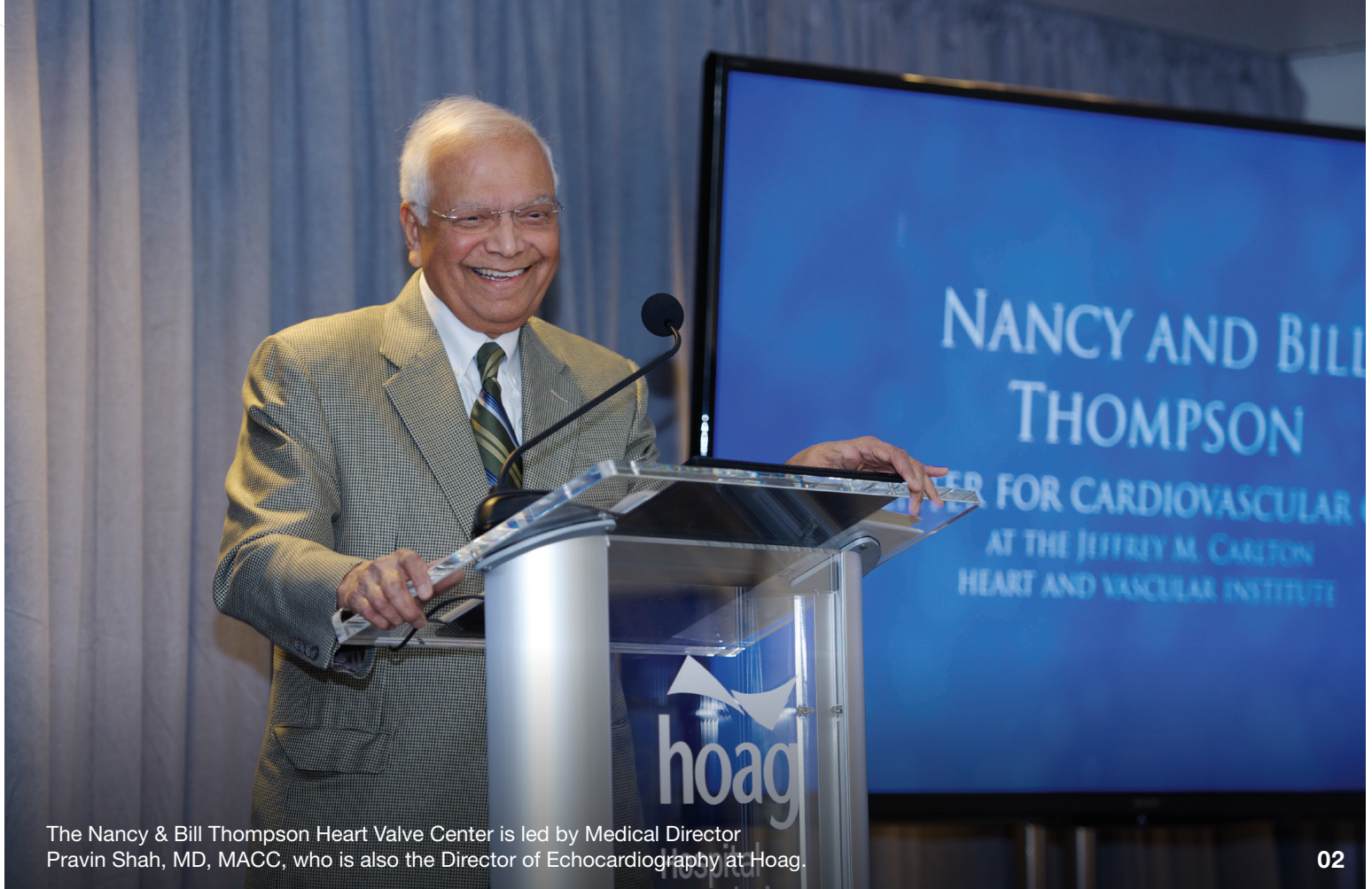
We all saw the immediate increase in the level of integration and engagement of the technologists. This team could all do the job well. But, with the certification, they've taken their contributions to the procedures to a higher level."

The electrophysiology technologists say that gaining a deeper clinical and practical understanding allows them to be better partners to physicians. "We suggest more efficient ways to get the same or better results," says Manny Abesamis, RT (R), lead radiology technician. "We are deeply grateful to the donors who funded our education and we want them to know that it is having a direct impact on our patients."

Extraordinary Leaders Advance Care

Enhancing Echocardiography

When it comes to diagnosing and treating mitral valve disease, the Nancy & Bill Thompson Heart Valve Center is a nationally recognized leader, repairing more heart valves than 90 percent of all cardiac programs in the country. Donor support has equipped its exceptional team of physician experts and staff with progressive technology and state-of-the-art surgical facilities. As a result, Hoag continues to lead the way in comprehensive valvular heart disease treatment both locally and nationwide, including innovative surgical options that may not be available at other centers.



The Nancy & Bill Thompson Heart Valve Center is led by Medical Director Pravin Shah, MD, MACC, who is also the Director of Echocardiography at Hoag.

“Without donor support, we would not stay current with the latest technology such as TEE that helps us provide state-of-the-art patient care for heart and lung disease patients.”

~ Pravin Shah, MD, MACC

Echocardiography is a sophisticated technology that Hoag’s highly trained physician team uses to accurately diagnosis heart valve conditions and plan for treatment. The Nancy & Bill Thompson Heart Valve Center is led by Medical Director Pravin Shah, MD, MACC, who is also the Director of Echocardiography (Echo) at Hoag. Donor support is funding many key elements of the Echo program:

Technology: Hoag uses the latest 3D and 4D transesophageal echocardiogram (TEE) which provides much clearer images of the heart and provides physicians with better information about the physiology of a patient’s heart than a standard echocardiogram.

Renowned Physician Recruitment: Dr. Shah recruited Natesa Pandian, MD, as the new Senior Co-Director of the Nancy & Bill Thompson Heart Valve Center. Dr. Pandian comes to Hoag from Tufts University School of Medicine, where he served as Director, Heart Valve Center; Co-Director, Comprehensive Cardiovascular Imaging Center; Director, Echocardiography Research and Professor.

Research Analyst: Padmini Varadarajan, MD, from Loma Linda University Medical Center joined the Nancy & Bill Thompson Heart Valve Center team part time as a researcher. She will complete statistical analysis and quantification on mitral valve repairs and aortic stenosis data in preparation for publication.

National and International Presentations:

Dr. Shah represented the Nancy & Bill Thompson Heart Valve Center at the Mumbai Echocardiography Conference, where he gave four talks, and at the American College of Cardiology in Chicago, where he gave a talk and participated as a panelist.

According to Dr. Shah, a multidisciplinary valve center in which the surgeons, cardiologists, echocardiography specialists and valve specialists collaborate together to bring the best talent to diagnosing and treating valve disease is unique to Hoag.

“Without donor support, we would not stay current with the latest technology such as TEE that helps us provide state-of-the-art patient care for heart and lung disease patients,” shares Dr. Shah. “Also, philanthropy makes all the difference in attracting talent like Dr. Pandian from a top university. Our donor support is what allows us to sustain and grow our premier program.”



Dipti Itchhaporia, MD, FACC, FESC,
Robert & Georgia Roth Endowed
Chair for Excellence in Cardiac Care

Leading the Way in Sharing Knowledge

The Jeffrey M. Carlton Heart & Vascular Institute hosted three major conferences in FY 2016 that were extremely well attended by physicians from all over the nation and featured renowned physician presenters from across the U.S.:

6th Annual Cardiology Update: The Heart of New Developments

Dipti Itchhaporia, MD, FACC, FESC, Robert & Georgia Roth Endowed Chair for Excellence in Cardiac Care was the program director for this prestigious meeting designed to present the latest knowledge in treatment of cardiovascular disease for cardiologists, cardiac surgeons, family practice physicians and others.

Manchester Lecture Series

To honor the legacy and recognize the significant contributions of former Hoag Chief of Cardiology, Dr. Joel Manchester, Hoag Hospital Foundation created the Joel H. Manchester, MD Distinguished Lecture Series. With donor support, the annual lecture series brings world-class experts to talk about issues important to the field of cardiac care. The Manchester Distinguished Lecture series has featured experts who have covered topics such as Genetics and Heart Disease and the Influence of Pharmaceutical Industry on Current Medical Practice.

32nd Advanced Echo Conference

Pravin Shah, MD, MACC and Natesa Pandian, MD, FACC were the program directors for this important industry conference which provides an interactive, case-based learning opportunity focused on the latest developments in echocardiography.

Advances in Arrhythmia Management

Program Director, Neala J. Hunter, MD, FACC developed this education conference that showcased advanced knowledge in electrophysiology and arrhythmia management. This program was made possible by a generous donation from Pei-yuan Chia and Kitty Shen.

Barbara's Story: Steps to Change



Barbara Dahl on the treadmill

Peripheral arterial disease (PAD) blocked the arteries in 82-year-old Barbara Dahl's right leg so completely that she could no longer walk more than 30 feet due to the pain. "I was sick to death about it because I'm an active person and I couldn't even do a Costco run," shares Barbara. "I hoped they would say I could have a bypass, but my doctors recommended a conservative approach."

Dahl didn't see herself as hopeless. Neither did Ehab Mady, DO, FSVM, RPVI, medical director of the Hoag Vascular Services Program at the Jeffrey M. Carlton Heart & Vascular Institute. Dr. Mady designed the PAD Supervised Walking Exercise Program, an innovative, evidence-based program for Orange County patients who are living with the pain and limitations of PAD.

The program, which is not covered by insurance, involves intensive physical therapy under the direct care of a medical team three times a week for six months. Mady explained to Dahl that supervised exercise is the only intervention that can positively impact all the aspects of PAD: ease physical pain, reduce the risk of cardiovascular events and reduce risk of amputation.

Dahl explained that for patients like her, simply saying, "walk more" isn't enough. Having nurses there to monitor her progress, keep track of her vital signs and encourage her when to stop and when to keep going is invaluable. "After just three months, I can go to Costco and walk up every aisle. I walked the whole place twice without sitting down," beams Dahl.

Thanks to donor support, Barbara and others like her are getting their lives back.



Empowering Patients and Their Families

When a patient has aortic or valve disease, they require a heightened level of ongoing monitoring. If they progress to surgery, there's even more coordinating and managing required. The nurse navigators at the Jeffrey M. Carlton Heart & Vascular Institute are a lifeline for those among us living with life-threatening heart conditions.

They are guides for the patient and their families through every step from diagnosis through treatment, recovery and beyond. Their seamless coordination anticipates what patients and their families need at each stage. They schedule all of the pre- and post-op testing and appointments and closely follow patients to make sure that they understand and are complying with their instructions. They sit in on consultations between patients and their surgeons and debrief with patients and their families, sometimes multiple times, to make sure everything is clear.

What the patient doesn't see is all of the coordination that happens behind the scenes. They create a body of information about every aspect of the patient and their case. This file is the road map that everyone from the cardiologists and nurses to the surgeons use to plan next steps. As the keepers and managers of all of the relevant information about each patient, they play an invaluable role.

"We are managing the entire patient, every aspect of their care, not just treating a disease. The patients come back and the feedback is so wonderful. They feel that we took good care of them and their families. This has never been just a job for me. It's so rewarding to have the resources to do this job right—it's a real gift."
Barbara Eklund, RN, Clinical Nurse Navigator

Funding Innovation: Health Care Navigation and Patient Advocacy Pilot

A life-threatening diagnosis turns a patient's world upside down. It leaves already vulnerable people feeling scared, isolated and overwhelmed. Nurse navigators are a lifeline for those among us who are going through the unthinkable. More than that, nurse navigators act as guides through every step from diagnosis through treatment, recovery and beyond. They are on call to answer questions and explain things to patients and their families. They coordinate appointments with, and communication among, multiple clinicians and specialists. In short, nurse navigators help provide the patient-first care that is essential to Hoag.

Yet, behind the scenes, nurse navigators spend countless hours pulling from a myriad of data sources to track patients, create multiple reports and manage the continuum of care. This administrative burden takes away from one-to-one time with patients. We know there's a better way. Transformational support

from donors Pei-yuan Chia and Kitty Shen has allowed Hoag to pilot the latest nurse navigation innovations at the Jeffrey M. Carlton Heart & Vascular Institute and Hoag's Neurosciences Institute. Redesigning processes and introducing new technologies and applications increases efficiencies. This means more patients and families served. This means more time for serving each individual patient.

Hoag is committed to building on its nurse navigation program to create a best-in-class service that extends from inpatient to outpatient care. Nurse navigators provide an invaluable service that means the world to Hoag patients and their families when they need it most. Philanthropic support is allowing Hoag to bring in the right people and technology together to expand and enhance the program.

You've Made Us What We Are Today!

Thanks to our donors, the Jeffrey M. Carlton Heart & Vascular Institute is one of the pre-eminent cardiovascular centers on the West Coast and Orange County's highest-volume, highest-rated cardiovascular program. Here are a few of our awards and recognitions:

- **Hoag's Cardiovascular Surgery Program ranked in the highest category** for quality and successful outcomes by the Society for Thoracic Surgeons. This ranking is achieved by only 10 percent of hospitals nationwide.
- **Named as one of the nation's "50 Top Cardiovascular Hospitals"** by Truven Health Analytics.
- **Rated in the top 10 percent of hospitals nationwide** for cardiac care by an independent research firm.
- **Recipient of the American Heart Association's Get With The Guidelines® Heart Failure Gold award** for achieving an average score of 85 percent or greater in all five heart-failure achievement measures.
- **Earned the American Heart Association's Bronze Performance Achievement Award** for outstanding care of coronary heart disease as part of Mission: Lifeline for Heart Attack Care.
- **Named as one of America's Best Hospitals for patient experience in Heart Care** by Women's Choice Award®.
- **Designated a Blue Distinction® Center+ for Cardiac Care program** by Anthem Blue Cross.

Thank you

Thank you for your generous support of outstanding and innovative cardiovascular care in our community. Because you have stepped forward to support the Jeffrey M. Carlton Heart & Vascular Institute, it has become a national leader.

For more information, please contact Whitney Fountas at (949) 764-7213 or Whitney.Fountas@hoag.org. Please visit our website: www.HoagPromise.org.