
CARING EMPOWERS / GENEROSITY HEALS

CARDIAC CARE

A healthy heart is vital for living life to the fullest, regardless of age or gender.

How we can care together, today

Philips Allura Xper FD 20 Catheterization Lab System \$2,650,000

Fuji Cardiac PACS System \$200,000

Project Refresh \$1,100,000

TOTAL: \$3,950,000

PLEASE CONSIDER ...

- **Where will you go if you think you are having a heart attack?** A university-based medical center an hour or two away? A larger hospital in the city? Or the medical center closest to home? **In a cardiac event, time is of the essence.** Within minutes of a heart attack starting, a patient can be receiving treatment at Queen of the Valley Medical Center. Unlike many small cities, we are fortunate to have a first-rate Emergency Department and Regional Heart Center capable of providing sophisticated and complex heart care. **The Heart Center is staffed with some of the most talented and respected cardiac surgeons and interventional cardiologists in the nation**—many of them triple board certified. A highly trained team of nurses, radiology technicians and support personnel allows the Queen to offer **comprehensive cardiovascular services 24/7.**
- Heart disease, including stroke and other cardiovascular diseases, is the number one cause of death in the United States. It is currently the second leading cause of death (after cancer) for Napa County residents. **With one in five Americans suffering from one or more forms of cardiovascular disease, keeping up with advancements in the medical technology used to diagnose and treat these conditions is more critical than ever.**
- To help our physicians deliver even faster, less invasive and more accurate heart and vascular care,

we are raising money to build a new, multi-functional catheterization lab. Key to this effort is the **Philips Allura Xper FD20**—a cath lab system that is fully digital, more versatile than ever before and **capable of performing an increasingly wide variety of complex procedures.**

- To maximize the benefits of a new cath lab, we are raising money for the **Fuji Cardiac PACS** (picture archiving and communication system) technology.

What IS cardiac catheterization?

- Cardiac catheterization is a specialized X-ray examination that uses “live” digital images of the coronary arteries and pumping chambers of the heart to diagnose and plan treatment for many heart diseases.

- A thin, flexible tube called a catheter is inserted into the heart through blood vessels in the groin or arm. This **allows the cardiologist to see how well the heart is functioning** in “real time” and determine the need for bypass surgery, angioplasty or stent placement.

- If one or more of the arteries that supply blood to the heart is narrowed or blocked, a catheter with a balloon on the tip is used to try to open the blockage (angioplasty) or a wire mesh device called a stent is placed at the site of the blockage to help ensure increased blood flow through the artery.



THE VALUE

The new **Philips Allura Xper FD20 system will allow for a wide range of diagnostic images**, from large-scale thoracic and abdominal aortagrams to highly detailed carotid and cerebral studies, and coronary angiograms. It will:

- ~ Provide the **highest possible image quality**, featuring a 20" Philips Flat Panel Detector, with sensitivity that allows for a lower dose of radiation than film.
- ~ Take pictures that provide the **resolution and accuracy needed** for physicians to see every small detail in the evaluation of fine structures.
- ~ **Leave the physician free to concentrate on the patient** with Xper (X-ray personalized) processed images that require the minimum of user operations.
- ~ **Enable more catheter-based procedures**, which can reduce some of the risks of traditional surgical approaches, leading to:
 - **Shorter hospital stays.**
 - **Reduced recovery time without the pain of a large incision.**
 - **Less visible surgical scarring.**

The Fuji Cardiac PACS "Picture Archiving and Communication System" provides digital access and storage of medical images and reports, offering immediate access to all patient-related images, interpretation and data.

When it comes to a heart attack, every second counts. The faster a physician can restore vital blood flow through all of the heart's arteries, the less likelihood there will be of damage to the heart muscle. **The gold standard** for "door to balloon time" set by the American Heart Association is 90 minutes. **QVMC consistently outperforms this standard of care, averaging less than 65 minutes. With the Philips Allura, our cardiologists will be able to complete diagnostic and life-saving procedures even faster**, with the patient off the table and on his or her way to recovery and discharge much sooner.