



Banner Good Samaritan
Medical Center

Heart Care Services at the Cavanagh Cardiology Center

Banner Good Samaritan Medical Center patients can count on highly-qualified physicians, specially-trained staff, the latest in technology and an array of support services to provide the best possible heart care. In fact, Banner Good Samaritan in downtown Phoenix helped introduce open-heart surgery in Arizona. Our care and quality is recognized by *U.S. News & World Report*, which named Banner Good Samaritan one of America's Best Hospitals for Heart Care and Heart Surgery.

Today, our hospital provides more cardiovascular care than any hospital in the state and offers patients access to the latest diagnostic and treatment options at the Harry J. Cavanagh Cardiology Center.

The Cavanagh Cardiology Center is named in honor of a distinguished civic leader and compassionate benefactor who has made a difference in improving the quality of life for many of our community's less fortunate residents. The Cavanagh Center houses the Cardiac Catheterization Labs, Non-invasive Cardiology, Electrophysiology Labs, Cardiac Treatment Center, and Cardiac Rehabilitation and is located near the Emergency, Surgery and Medical Imaging departments.

Banner Good Samaritan offers comprehensive heart care services including:

- Diagnostic procedures and services
- Surgical and non-surgical treatments
- Minimally invasive procedures
- Intensive heart care
- Telemetry services
- Cardiac rehabilitation
- Cardiac research
- Heart care support and education.

In addition, our cardiologists, cardiac and vascular surgeons and electrophysiologists are recognized across the United States as leaders in specialized heart care medicine, providing our patients with

comprehensive treatments in specialty areas such as:

- Atrial fibrillation
- Carotid artery disease
- Peripheral vascular disease
- Use of implantable devices
- Diseases of the aorta, and
- ASD/PFO Closures

Banner Good Samaritan also offers state-of the art technology in the diagnosis and treatment of heart disease. Several options provide minimally invasive techniques that allow faster recovery and less pain:

- DaVinci surgical robot
- 64-slice computed tomography (CT)



Our Nonprofit Mission: *We exist to make a difference in people's lives through excellent patient care.*

- 3-D echocardiogram
- Wireless-enabled defibrillator
- A-Med PARAFlo
- Hybrid Maze
- Endovascular AAA repair

Cardiac patients often need care for other significant health problems like diabetes, lung and kidney complications, neurological conditions, and gastrointestinal problems. These patients are best served in a medical center that provides an array of specialized services and highly trained, experienced clinicians. Our cardiac patients can take great comfort in knowing that Banner Good Samaritan is a leading full-service hospital in Arizona.

Cardiac Catheterization Labs - The Cavanagh Cardiology Center contains six spacious state-of-the-art cath labs including two dual-purpose labs that can be used for cardiac catheters as well as electrophysiology procedures. The area also includes a dedicated 16-bed Cardiac Treatment Center. Catheterization involves placing a catheter tube into the arteries to treat numerous heart conditions. Cardiologists at Banner Good Samaritan routinely perform diagnostic angiography procedures in order to obtain accurate images of the heart and blood vessels. They also perform an array of highly specialized procedures designed to remove blockages in the arteries and to keep them open.

Non-invasive Cardiology - Physicians in the Cavanagh Cardiology Center have a number of tools to help them diagnose the source of heart ailments and the best method of treatment. Tests commonly used to diagnose heart disease include:

- Diagnostic Cardiac Catheterization
- Echocardiography
- Transesophageal echocardiography
- Treadmill stress testing
- Nuclear stress testing
- Holter monitors
- Event recording
- Electrocardiography (ECG)

Cardiac Rehab - Having a heart attack or heart surgery need not limit your enjoyment of life. The cardiac rehabilitation program at Banner Good Samaritan can help patients return to a productive, active and satisfying lifestyle. Our team of rehabilitation professionals offers a medically supervised program designed to meet the patient's personal needs. The personal goals identified by the patient and the health care team can help reduce symptoms and the chance of having more heart problems. If you or someone you know is at risk for heart disease or has been diagnosed with a heart problem, Cardiac Rehab may be of benefit.

To get more information about the program, call (602) 839-2757.

Telemetry - After a catheterization procedure, most patients will recuperate in our Telemetry unit. A majority of cardiac catheterization patients receive therapy then leave the following day. While the patient is in the hospital, they are continuously monitored on the cardiac telemetry system.

Surgical Procedures - Banner Good Samaritan surgeons in the early 1960s helped pioneer the use of the heart-lung machine that revolutionized open-heart surgery. Today our surgeons perform nearly 700 open-heart procedures each year in three dedicated cardiac surgery rooms featuring the latest technologies. Open-heart surgery is now performed both on- and off-pump. The most common open-heart procedure is the coronary artery bypass graft that creates a new route for blood to flow to the heart muscle. Other common open-heart procedures are valve surgery to replace or repair valves that are damaged, malformed or do not work properly, and procedures to alleviate thoracic aortic aneurysm, angina and atrial fibrillation.

Banner Good Samaritan's surgeons are utilizing new technologies that reduce the risks associated with open-heart procedures. In April 2004, surgeons performed the state's first Micro Maze procedure for lone atrial fibrillation patients, using a small thoroscopic camera to guide a microwave probe around the heart instead of splitting the breastbone.

Blood Conservation Medicine is our specialty program designed to decrease or even eliminate a patient's need for blood during surgery. This approach is now routinely performed on our open-heart patients.

Cardiovascular Intensive Care - Surgical patients start their recuperation in the Cardiovascular ICU unit. Banner Good Samaritan is a cardiac referral site, and we receive patients from all over the state who need cardiovascular surgery. We are one of the largest programs in the state with excellent patient outcomes, which reflect the quality of physicians and nurses that we attract.

Medical Education/Research - Two Cardiology Fellowship programs, one each for clinical and interventional cardiologists, are part of Banner Good Samaritan's teaching program that trains 220 physicians annually. Extensive research is also conducted throughout Banner Good Samaritan's cardiac programs.

Physicians at Banner Good Samaritan, one of the Southwest's leading research hospitals, often participate in several research trials to study new medical devices.