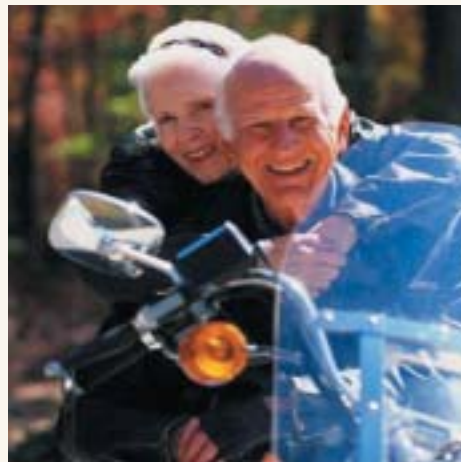


## Will the da Vinci® System make my surgeon unnecessary?

On the contrary, it is designed to enable your surgeon to be more precise, to advance his/her surgical technique and to enhance his/her capability to perform complex minimally invasive surgery. The System replicates your surgeon's movements in real time. It cannot be programmed, nor can it make decisions on its own to move in any way or perform any type of surgical maneuver without your surgeon's input.

## What are the benefits of using the da Vinci® Surgical System over traditional open methods of surgery?

Some of the major benefits experienced by surgeons using the da Vinci® Surgical System over traditional open methods of surgery have been greater surgical precision, increased range of motion, improved dexterity and enhanced 3D visualization. Benefits patients have experienced over open surgery include: shorter hospital stay, less pain, less risk of infection, less blood loss and transfusions, less scarring and faster recovery and return to normal daily activities. None of these benefits can be guaranteed, however, as surgery can be both patient and procedure specific.



This brochure is provided for general information purposes only and is meant to be just one part of your decision-making process. Consult your doctor or surgeon about whether robotic surgery may be appropriate for you and about the risks and benefits of all medical treatment options. Like any printed material, it may become out of date over time. If you have questions about the da Vinci® Surgical System or the Patient Brochure, please consult with your physician.

This brochure is not intended to render medical advice, diagnosis, treatment or other medical services, and thus is not a substitute for the advice of a doctor, or a recommendation for any particular treatment option. It is important that patients considering the option of robotic surgery rely on the advice of a doctor who, by exercising good clinical judgment and taking into consideration the medical history and circumstances of the patient, is best able to advise whether the da Vinci® Surgical System may be appropriate for an individual patient.

(Place business card here)

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For more information about da Vinci® Surgical System and Intuitive Surgical visit [www.intuitivesurgical.com](http://www.intuitivesurgical.com)

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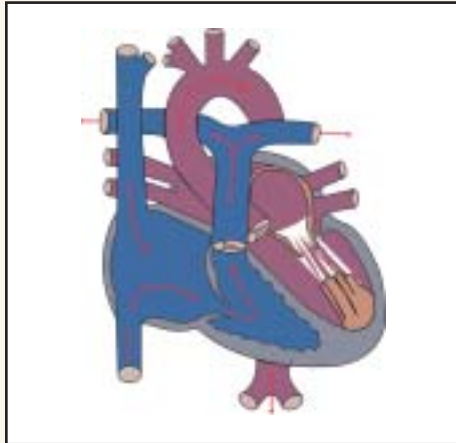
## da Vinci™ Mitral Valve Repair

Changing the Experience of Surgery

## da Vinci™ Mitral Valve Repair

Approximately 90,000 Americans undergo heart valve surgery each year. After reviewing your medical history, your doctor may recommend a new surgical option called the *da Vinci*™ Mitral Valve Repair. Your treatment option will depend upon your medical history, individual needs and your doctor's recommendation.

### What is the Mitral Valve?



The mitral valve is the "inflow valve" for the left side of the heart. Blood flows from the lungs, where it picks up oxygen, enters the left atrium and then passes through the mitral valve. When it opens, the mitral valve allows blood to flow into the heart's main pumping chamber called the left ventricle. It then closes to prevent blood from leaking back into the left atrium when the ventricle contracts (squeezes) to

push blood out to the body.

Occasionally, the mitral valve is abnormal from birth. More often, the mitral valve becomes abnormal with age or as a result of rheumatic fever. In rare instances the mitral valve can be destroyed by infection or bacteria. It may also occur as a result of coronary artery disease. Whatever the cause of the abnormality, an abnormal mitral valve is unable to completely close. Blood leaks in the wrong direction, causing regurgitation during the ventricular contraction phase. This results in further inefficiencies that make the heart work faster.

### What are the current treatments available for repairing the Mitral Valve?

There are several treatment options available for repairing the Mitral Valve, of which one is surgery. The most widely used surgical approach involves a median sternotomy incision. This requires the surgeon to open the chest by making a twelve-inch incision in the breastbone exposing the heart and its vessels. This is considered one of the most invasive and traumatic aspects of cardiac surgery.



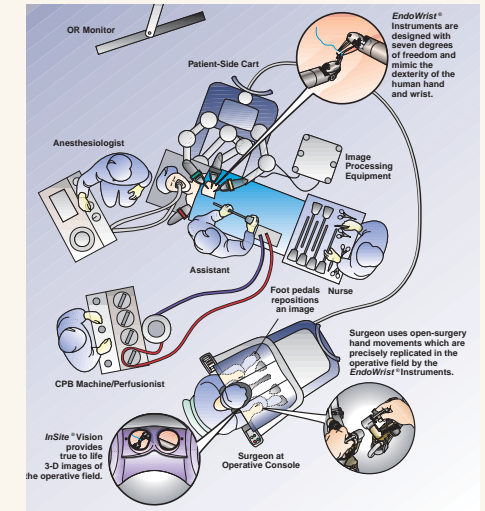
Another, newer minimally invasive approach is known as the *da Vinci*™ Mitral Valve Repair. This method involves incorporating the latest advancements in robotics, computer enhanced technology and surgeon skill. It allows your surgeon to perform this procedure in a manner never experienced before by operating through small ports or openings in the chest wall between the ribs. This new method involves many of the same steps as open-chest heart surgery but typically eliminates one of the most painful steps, the need to open the chest cavity.

Some people may not be candidates for the *da Vinci* Mitral Valve Repair procedure due to their medical condition. Your physician will review your medical history with you to determine if this procedure is an option for you.

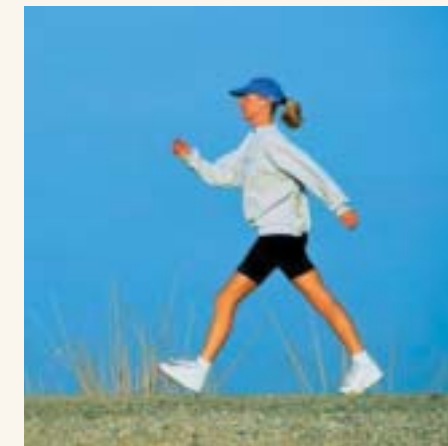
### What is the *da Vinci*® Surgical System?

The *da Vinci*® Surgical System is a totally "intuitive" laparoscopic surgical robot. It's not a robot in the sense of one you would imagine but one that integrates the latest advancements in robotics,

computer-enhanced technology and the surgeon's skill. The System consists of several components: a surgeon console, patient-side cart, instruments and image processing equipment.



### What might I expect after my Mitral Valve Repair surgery?



The first thing to remember is that your surgeon can predict the likelihood of a successful repair before surgery, but cannot guarantee it. Hospital stays for people who have the *da Vinci*™ Mitral Valve Repair tend to be shorter than those for traditional open-chest heart surgery. After a successful mitral valve repair you should be able to return to your preoperative condition or better. Medication may be required. You should discuss

all appropriate drug therapy with your doctor before, during and after surgery. Once your wounds have healed there should be few, if any, restrictions on your activities.