

Excellence in complex valve repair surgery

Each year, the cardiovascular surgical team at Hoag Hospital repairs more heart valves than any other medical center in Orange County—experience that designates Hoag as one of the top hospitals on the West Coast for this type of surgery. Combining the expertise of the hospital’s exclusive cardiovascular surgical team and an internationally known cardiologist specializing in echocardiography with state-of-the-art technology, Hoag offers patients world-class valve surgery at a dedicated cardiac care center in their community.

At the forefront of valve repair

Physicians generally agree that whenever possible, a heart valve should be repaired rather than replaced. Yet successful mitral valve repair requires the dedication of a committed and highly skilled surgical team. The valve surgery program at Hoag Heart and Vascular Institute is internationally recognized for expertise in complex mitral valve repair, affording patients over a 90% repair success rate for degenerative mitral valve disease with low operative risk.

Repair is favored over replacement

Mitral valve repair offers substantial advantages over valve replacement since it leaves the patient’s own living tissue functioning normally. With repair, patients generally function better, can avoid anticoagulation therapy and can enjoy long-term freedom from intervention.

Mitral valve repair, however, is technically more difficult than replacement, and operative success is

dependent on the specific valve lesion and the skill of the cardiovascular surgeon. Yet, despite its advantages, only 50% of patients nationwide undergo valve repair, as the procedure requires a significantly higher level of surgical expertise not available at all hospitals.

“Repair involves a lengthier and more complex surgery and requires the dedication of a committed and skilled surgical team,” asserts Aidan Raney, MD, Hoag’s medical director of cardiovascular surgery. “Patients are therefore encouraged to seek treatment at a comprehensive heart center like Hoag, where this procedure can be performed with a higher degree of success and low operative risk.”

A multidisciplinary approach

At Hoag, the surgical team performs significantly more repairs than replacements, with a repair versus replacement rate of 90% for degenerative mitral valve disease. These results can be attributed to the multidisciplinary team approach Hoag takes toward valve repair.

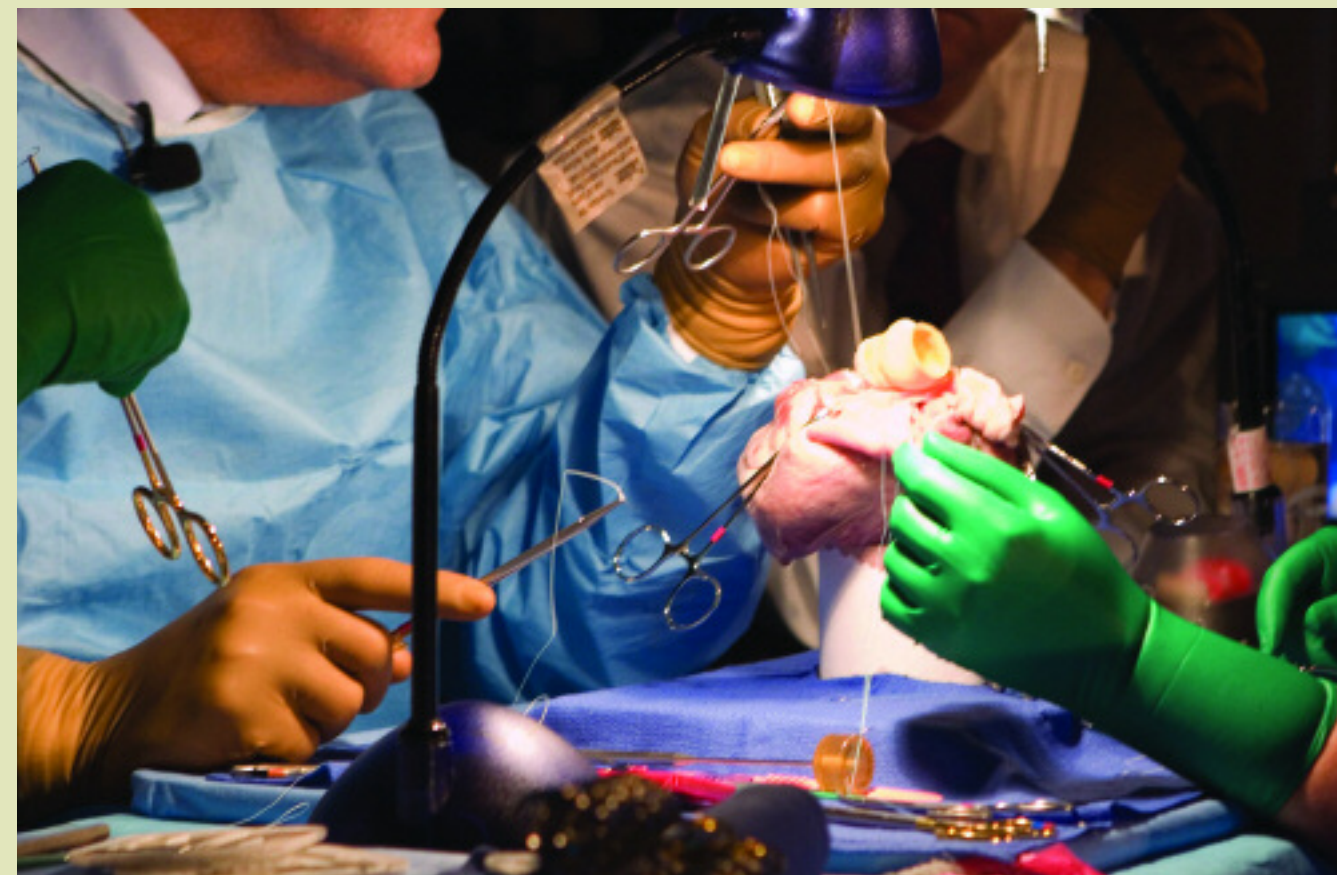
Hoag’s cardiovascular surgical team combines the expertise of an internationally known cardiologist specializing in echocardiography, Pravin Shah, MD, with the advanced surgical skill of accomplished cardiovascular surgeons, like Dr. Aidan Raney. Collaborating on pre-surgical patient evaluation and surgical planning as well as intraoperative review and throughout patient recovery, this unique collaboration of highly specialized physicians not only contributes to Hoag’s increasing

rate of valve repairs, but also directly translates into improved patient outcomes. Since the establishment of this multidisciplinary echo-surgical team, Hoag’s valve repair rate has significantly increased—directly translating to improved quality of life for patients suffering from valve disease.

For more information, to discuss a case, or to make a patient referral, please contact Aidan Raney, MD at 949/650-3350 or Pravin Shah, MD, at 949/764-8123.



Wet Lab Demonstrations at Hoag’s recent International Valve Symposium: Renowned cardiovascular surgeons Aidan Raney, MD and Sir Magdi Yacoub, FRS demonstrate valve surgical techniques utilizing a pig heart.



International Valve Symposium at Newport Beach

Drs. Raney and Shah have been leaders in introducing the most advanced surgical techniques and technology in the specialty of complex valve surgery to both Hoag Hospital and Orange County. They are invited to lecture at institutions and conferences around the world discussing the effectiveness of their unique collaboration and its effect on Hoag’s increasing rate of valve repairs. This past year, Drs. Raney and Shah hosted the International Valve Symposium presented by Hoag Heart and Vascular Institute, which provided cardiologists, cardiovascular surgeons and cardiac anesthesiologists with a forum for interaction to improve patient outcomes for valve disease.

The three-day program included live surgical demonstrations via satellite from the Hoag cardiovascular operating rooms, in addition to presentations from world-renowned specialists such as Sir Magdi Yacoub, FRS, BHF professor of cardiothoracic surgery of Imperial College London; Alain F. Carpentier, MD, PhD, professor, department of cardiovascular surgery at Hôpital Européen Georges Pompidou in Paris; and Friedrich Wilhelm Mohr, MD, medical director of Clinic for Heart Surgery at University of Leipzig – Heart Center in Leipzig, Germany.

