



Doctors at Lilavati Hospital Save Life of 34-Year-Old Woman with Rare Heart Condition

In a remarkable medical achievement, a team of experts at Lilavati Hospital and Research Centre in Mumbai, led by renowned cardiovascular surgeon Dr. Pavan Kumar, successfully treated Ms. Seema Ravikanth Patil, 34, who had a rare and complex heart condition known as Sinus of Valsalva Aneurysm (SOVA). This instance illustrates the hospital's sophisticated heart care skills as well as the medical personnel's knowledge.

Sinus of Valsalva Aneurysm (SOVA) is a very unusual disorder in which the aortic root, the region of the heart that connects to the major blood vessels, weakens and expands due to faulty elastic tissue. It affects only 0.09% of the general population and is frequently associated with other congenital heart abnormalities. The majority of SOVA instances occur in the right coronary sinus, with left coronary sinus aneurysms being less common. Ms. Patil's case was much more complicated, as she had multiple aneurysms, a disease so uncommon that just 18 examples have been reported worldwide, six of which were in India.

Ms. Patil of Jalgaon, Maharashtra, had been suffering from shortness of breath for quite some time. Her condition deteriorated, leading to her emergency hospital admission. Diagnostic procedures, including an echocardiography and CT scan, revealed serious leakage in her aortic valve and atypical aortic bulging, necessitating immediate medical attention. Her family decided to bring her to Lilavati Hospital to speak with Dr. Pavan Kumar and his staff.

Dr. Kumar and his team carried out a difficult surgical technique to treat the aneurysms and restore normal heart function. "This patient came in with a serious heart condition," Dr. Kumar explained. "Her examinations revealed two big aneurysms and a leaky aortic valve. Initially, she received local treatment for migraines, but it turned out that a leaking aortic valve was the cause of her suffering.

The doctors identified two aneurysms: one in the Left Coronary Sinus of Valsalva, measuring 4.5 x 3.5 x 3 cm and pressing on the left coronary artery, and another in the Right Coronary Sinus, measuring 3.5 x 2.5 x 2.5 cm. The aortic valve also had total regurgitation (reverse flow), necessitating emergency surgery.

Dr. Kumar emphasized the surgery's complexity: "The patient had three surgeries in a single seven-hour operation. We repaired the left and right coronary sinus aneurysms and replaced the leaky aortic valve." The limited space on the left coronary sinus made the procedure extremely difficult. To make way for the procedure, Dr. Kumar's team employed a novel technique: turning the left aortic leaflet toward the left coronary sinus to ensure safe valve replacement and aneurysm repair.

After her surgery, Ms. Patil recovered well and received a stable discharge. Regular follow-up appointments will be scheduled to check her heart condition. Dr. Kumar emphasised the difficulties of treating multiple aneurysms, pointing out that such disorders might be fatal if left untreated, as aneurysms can rupture suddenly. Advanced imaging and precise surgical methods were key to the successful completion of this complicated treatment.

Dr. Niraj Uttamani, Chief Operating Officer at Lilavati Hospital, hailed the team's success, saying, "This case demonstrates the value of experience and creativity in treating rare and severe cardiac disorders. Lilavati Hospital continues to set standards in advanced heart care, providing hope to patients facing difficult diagnoses." Dr. Uttamani further stated that the hospital delivered the procedure at no cost, demonstrating its dedication to making sophisticated healthcare available to those in need.

Ms. Seema Patil expressed her gratitude, adding, "I am grateful to the physicians for giving me a second shot in life. Their skill and compassion have transformed my life."

This example demonstrates not just the medical team's expertise at Lilavati Hospital but also the hospital's commitment to delivering life-saving care to patients with uncommon and complex diseases.