

34-Year-Old Woman with Rare Congenital Birth Defect Successfully Treated for Multiple Sinus of Valsalva Aneurysms (SOVA) at Lilavati Hospital

By Our News Bureau



A team of experts at Lilavati Hospital and Research Centre, led by **Dr. Pavan Kumar**, a renowned **Cardiovascular Surgeon**, along with **Cardiologist Dr. Nitin Gokhale** and **Cardiac Anaesthesiologist Dr. Namrata Kothari**, successfully treated a **34-year-old woman, Ms. Seema Ravikanth Patil**, for a rare and complex heart condition known as **Sinus of Valsalva Aneurysm (SOVA)**. The patient, diagnosed with multiple congenital aneurysms, underwent a meticulously planned surgical procedure that has given her a new lease on life. This case underscores Lilavati Hospital's commitment to pioneering advanced heart care and providing hope to patients with challenging diagnoses. **Sinus of Valsalva Aneurysm (SOVA)** is an exceptionally rare

condition, characterized by the abnormal expansion of the aortic root due to weak elastic tissue. Aneurysms of the Sinus of Valsalva are observed in approximately **0.09 %** of the general population and are often associated with congenital heart defects. They predominantly arise from the right coronary sinus (**70% of cases**), followed by the non-coronary sinus (**25%**), with occurrences from the left coronary sinus being extremely rare. While individual **SOVAs** are uncommon, multiple aneurysms are even rarer, with only **18 reported cases globally**, six of which have occurred in India. **Ms. Patil's** congenital condition posed significant risks, including the potential for rupture, which can be life-threatening without early intervention.