

MEDICAL ADVANCEMENT

TMVR an alternate to Open Heart Surgery is now in Rajasthan

Ms Kamla Jain 56 yr old patient have got a new lease of life, thanks to new Trans Catheter Mitral Valve Replacement (TMVR) technique used by Cardiologist Dr Samin K Sharma and Dr Ravinder Singh Rao in Eternal Hospital for the first time in Rajasthan. It looked as boon for patients who are unable to tolerate the traumatic repeat open heart surgery.

This technique is need of the hour in India as some high risk patients who had prior mitral valve heart surgery and now suffering from degenerative or dysfunction of surgical mitral valve are counting their days as repeat heart surgery on them would be a treatment worse than the disease. Now, Eternal Hospital has raised hopes among them that they may also have more active and easy life in the offing. For Aortic Valve Replacement, there is already a non-invasive technique called TAVR (Trans Catheter Aortic Valve Replacement) method and hundreds of aged patients are being spared of the trauma of going through the distressing and risky surgery.

Now that TMVR has arrived, patients of who had prior mitral valve surgery would also have the same comfortable and easy treatment like that of aortic valve patients. It is expected soon like TAVR, in India, TMVR would also be the standard treatment for high risk repeat mitral valve surgery patients.

The Mitral Valve is one of the heart valves that prevent mixing oxygenated and deoxygenated blood and the routinely each patient undergo open heart surgery to replace mitral valve. The mitral valve after 8-15 years become degenerative and stop working therefore it requires repeat open heart surgery. It is a complex valve to deal with. Dr Ravinder Singh Rao, Director TAVR Program, Interventional Cardiology at Eternal Hospital, said, 'With our success in TMVR, a new vista of hope has opened for these high risk patients. Till Now, repeat open heart surgery was the only method to replace disease prior surgical mitral valve. The patient to receive TMVR, Patient Kamla, is an aged, feeble and weak patient who had prior mitral valve heart surgery in 2004 would not have been able to withstand a repeat major surgery. So we decided to do a Transcatheter Mitral Valve Replacement (TMVR) where the valve is accessed

from a tiny hole near the thigh.'

According to Dr Rao, who has done maximum number of TAVR in India, she has lost a lot of weight in the last one year, had swollen legs, always felt tired, and was not able to walk more than few feet.

Dr Rao said, 'The landmark success of TMVR is going to be a hallmark in treatment for the patients who have not undergo repeat high risk open heart surgery. This innovation was need of the hour as hundreds of old people are denied new lease of life without this minimally invasive procedure.'

The Heart team of doctors at Eternal Hospital who achieved this milestone are Chairman & Chief Interventionalist Dr Samin K Sharma, TAVR Program Director Dr Ravinder Singh Rao, Chairman Cardiac Sciences Dr Ajeet Bana, HOD Anaesthesia Dr Navneet Mehta and Director Non Invasive Cardiology Dr Hemant Chaturvedi.

