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National Institute of Tuberculosis and Respiratory Diseases conducts first robotic bullectomy surgery using SSI MANTRA

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India's first indigenously developed surgical robot SSI Mantra executes lung surgery



National Institute of Tuberculosis and Respiratory Diseases (NITRD), a Government of India Institute, under the Directorate General of Health Services, Ministry of Health and Family Welfare is the first Central Government hospital to purchase the indigenous SSI MANTRA Robotic Surgical System, the brainchild of Dr Sudhir Prem Srivastava, a world-renowned robotic cardiac surgeon and pioneer in the field.

The SSI MANTRA Surgical Robot system recently executed a flawless Bullectomy surgery which involved the removal of apical bullae within the lung which had developed because of the destruction of the lungs. The balloons grow and compress the lung, making it hard to breathe. If bullae rupture, air escapes into the space between the lung and the chest wall, which can cause the lung to collapse, a condition called pneumothorax. After undergoing multiple episodes of recurrent pneumothorax, the patient had the condition surgically treated.

Dr. Sudhir Srivastava, Founder, Chairman & CEO, SS Innovations said, “The success of the Bullectomy Surgery at NITRD using SSI MANTRA further cements the superiority of the system to be able to perform such complex surgeries with utmost precision. This has spurred the team at SS Innovations to scale the next height and take on more challenging surgeries with renewed vigour”.