

SISA performs first 'Advanced RSR' for shoulder tumor, in India

Sai Institute of Sports Medicine and Arthroscopy (SISA) has performed first 'Advanced Reverse Shoulder Replacement (RSR)' for shoulder tumor, in the country. This procedure was successfully attempted only twice earlier, globally. It was end of the road for a forty-six-year-old beautician, Padma, who was diagnosed with malignant bone tumor of proximal end of humerus bone. With little hope, she approached Hospital. Following numerous tests and medical analysis, it was decided to go for an Advanced RSR with muscle transfer, a recent innovative procedure in the field. Such a procedure was successfully attempted only twice globally. If she was treated with routine conventional surgical techniques, she could not have been doing her routine daily activities like lifting arm, combing her hair and not pursuing her profession, SISA Shoulder and Knee Surgeon Dr Raghuvver Reddy told media here today. He said Ms Padma's humerus head and the nearby portion had developed malignant tumor of the bone, which necessitated complete removal of that tumor bone mass and also the muscles which aid movement of the shoulder. A normal shoulder replacement wouldn't have helped in her case as her shoulder muscles were also removed due to tumor. Therefore the Advanced RSR with Muscle Transfer was performed. This involved interchanging of the positions of the ball joint and the socket in the shoulder. A rounded metal ball was instead implanted in the location of the earlier socket and a plastic concave shell that could fit in the round head of the ball, was implanted at the earlier ball location, this interchanging procedure was called the RSR. And the muscle transfer to aid the shoulder movement, was accomplished by transferring the chest wall muscle to the arm. This muscle transfer ensures external rotation of the arm. In six months since the patient underwent the surgery (October 6, 2016) she could get 160° elevation of the arm and also do external rotation. The earlier two patients who underwent this procedure elsewhere in the world (France in 2013) could accomplish 150° and 120° external rotation only, therefore this patient has better external rotation, Dr Reddy said. Dr Reddy said that this path breaking RSR procedure also shared at the 10th SISA Live Surgery 2017 Advanced Shoulder Workshop scheduled to be held here today. Dr IV Reddy and Dr Peter Champbel (Australia) also spoke on the occasion.