

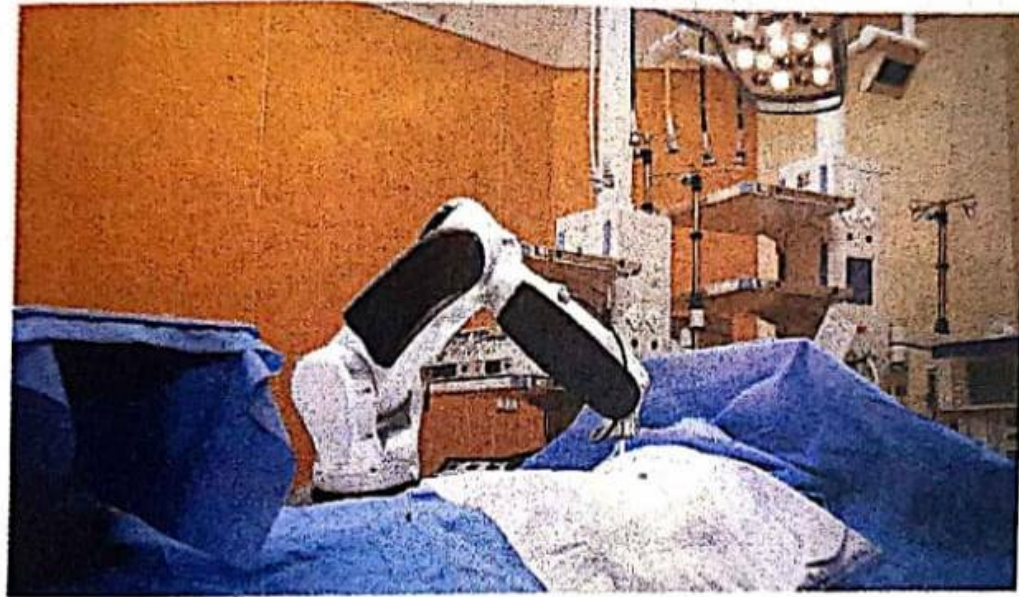
ISIC first after US to perform spine robotics surgery

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The Indian Spinal Injuries Centre (ISIC) claimed to have become the first hospital in the world after United States (US) to treat patient using advanced spine robotic system.

In a recent case, doctors conducted a successful surgery of a patients suffering from cervico-thoracic kyphosis using the method. Preeti Pandey (39) was admitted last Monday after developing a severe progressive weakness of both lower limbs, inability to control bowel and bladder involvement.

After being diagnosed with cervico-thoracic kyphosis due to the spinal tuberculosis where two procedures - robotic posterior stabilization, vertebra column resection, deformity correction and mesh cage insertion were performed to correct her deformity and sta-



bilize her movement," said Dr H S Chhabra, Managing Director and head of Indian Spinal Injuries Center, adding that she experienced minimum post-operative pain and started walking within a day.

Dr Chhabra said that surgeries conducted through advanced robotics reduce implant inaccuracies, revision surgeries, radiation exposure,

length of stay and infection. "Such high improvements in so many parameters simultaneously can drive significant clinical efficiency and reduce the burden on healthcare system in the medium to long run," he added.

The hospital has already performed more than five successful precision surgeries using the recently acquired

advanced spine robotics system.

In another case, doctors performed a spinal fusion procedure on Satish Kumar, a 50-year man working in the Indian embassy at Beijing, China, who had developed low back pain radiating to the legs as well as heaviness in both the legs and was unable to walk more than 100 meters. He was diagnosed with spondylolisthesis, a spinal disorder in which a bone (vertebra) slips forward over the bone below it.

"The robotic minimal invasive 'Transforaminal Lumbar Interbody Fusion' (TLIF) was performed with minimal incision and bleeding. Satish is significantly better after surgery and could walk upto 3 kilometres without any leg pain and with minimal post-operative pain within 3 days of surgery," he said.