

## Sakra World Hospital introduces world's first active robotic knee replacement system

15 December 2020 | News

**The fully active nature of CUVIS Joint helps in conducting joint replacement surgeries in an exceptional manner requiring least human intervention**



Sakra World Hospital, based in Bengaluru, now boasts of the country's one of its kind healthcare breakthrough – advanced robotic knee replacement technology that is set to empower the orthopaedic surgeons to plan the knee replacement days before they enter the operation theatre to actually conduct the procedure. CUVIS Joint, the world's first fully active robotic knee replacement system which is now making knee replacement surgeries more accurate, transparent and hassle-free in Sakra World Hospital and comes as a bliss for those suffering from severe arthritis.

Manufactured by Curexo, a South Korean firm and marketed and sold by Meril Healthcare in India and known for its unique and autonomous nature of functioning, CUVIS Joint was launched by BS Yediyurappa, Chief Minister, Karnataka and Dr Shivaraj Kumar, popular Kannada film actor.

Dr Chandrasekhar P, Senior Consultant & Head – Department of Orthopaedics, Sakra World Hospital with an experience of conducting 5,000 successful knee replacement surgeries and one of the key global opinion leaders behind the development of CUVIS fully active robotic system said, "This robotic software allows three stage planning: pre-operative plan, plan during the procedure and post-operative plan which shows if the surgery has been done as per the plan and whether the same anatomy has been depicted and perfectly performed."

Takashi Maki, Managing Director – Sakra World Hospital shared, "With CUVIS Joint, we hope to offer optimum clinical outcome and garner maximum patient satisfaction."

The fully active nature of CUVIS Joint helps in conducting joint replacement surgeries in an exceptional manner requiring least human intervention. In addition to the maximum precision, accuracy and flexibility on offer, it has features for maximum safety as well. It takes help of CT-Scan images to develop patient-specific 3D bone models and does the virtual simulation of joint replacement surgeries personalised for each patient. With sub-millimeter dimensional accuracy, it helps to get the

optimal post-surgery outcomes for joint replacement. The benefits that this avant-garde robotic technology brings in include lesser tissue trauma and associated blood loss, faster recovery, early hospital discharge and best possible implant positioning with maximum cutting accuracy.

Manish Deshmukh, Head of Marketing and Technical at Meril Healthcare Pvt Ltd says, "We, at Meril, are really looking forward to adding this new dimension of technological advancement in the field of joint replacement and achieving newer heights with our impeccable association with Sakra World Hospital and Dr Chandrashekar P."