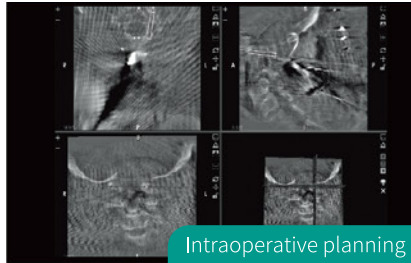


# TIANJI® Robot

## TIANJI® Robot-assisted C1-C2 transarticular internal fixation



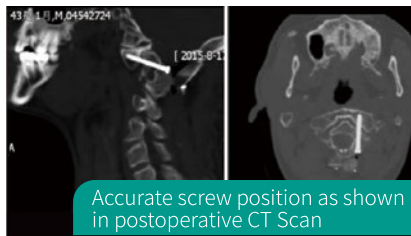
Atlantoaxial deformity  
basilar invagination



Intraoperative planning



TIANJI® Robot-guided  
screw insertion

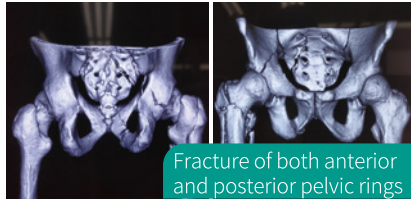


Accurate screw position as shown  
in postoperative CT Scan

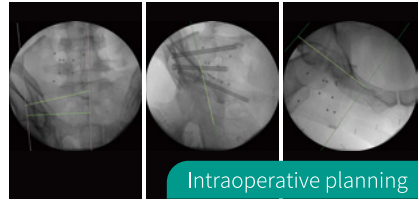
C1-C2 transarticular fixation is a reliable procedure. However, the procedure is high-risk because of the important structures and frequent anatomical variation around the atlantoaxial region. Navigation improves the accuracy, but it might require repeated adjustments of the trajectories, which is inconvenient. TIANJI® Robot-assisted surgery can make this process easier and has the potential to improve the safety and accuracy.

## TIANJI® Robot-assisted internal fixation of both anterior and posterior pelvic rings

Pelvis is an important supporting structure of the human body. Unstable injury of both anterior and posterior pelvic rings is a common type of clinical pelvic fractures. TIANJI® Robot-assisted percutaneous channel screw internal fixation helps surgeons implant screws accurately. It also reduces surgical injuries and radiation exposure.



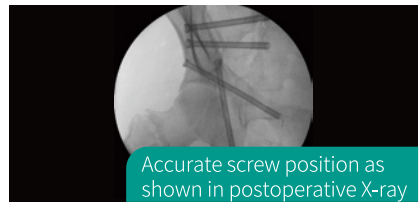
Fracture of both anterior  
and posterior pelvic rings



Intraoperative planning



TIANJI® Robot-guided  
screw insertion



Accurate screw position as  
shown in postoperative X-ray



Specialized in trauma and  
whole spine surgeries



Real-time tracking



Accuracy, stabilization, intelligence

