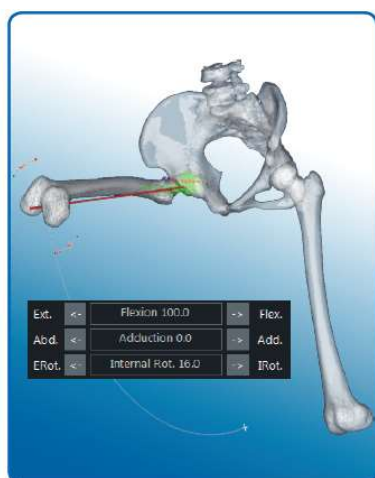
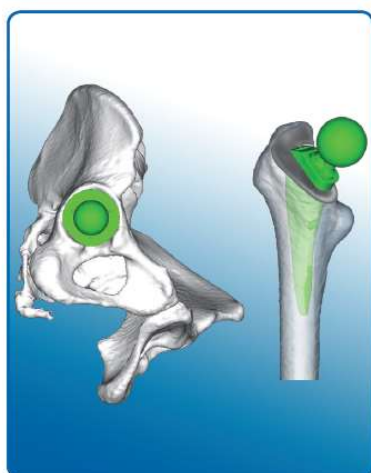




ZedHip 3D

3D Pre-Op. Planning for THA



ZedHip 3D is 3-dimensional (3D) pre-operative planning software for Total Hip Arthroplasty (THA) utilizing CT images. The surgeon can plan the implant models/sizes and positions in a very short time to have a clear idea of the surgery. With reference to defined pelvic and femoral coordinate systems, various useful 3D parameters such as cup and stem anteversion, cup inclination, leg length reduction, left-right leg length difference, and impingement sites detected in Range Of Motion (ROM) simulation can numerically be obtained.

Features and Functions

- A wide variety of implant selection
- Easy and simple computer operations
- Easy-to-read MPR (Multi-Planar Reconstruction) images based on CT
- Automatic creation and segmentation of 3D bone models
- Metal artifact reduction function for planning revision cases
- 3D simulation of implant selection and positioning
- Useful 3D parameters including:
 - Stem anteversion and varus/valgus, and cup anteversion and inclination
 - Leg length reduction, left-right leg length difference
- Simulation and surface view of femoral head resection
- Cup and stem head reposition simulation
- ROM simulation for detecting impingement between implants, bones, and bone and implant
- Medullary space occupation measurement

