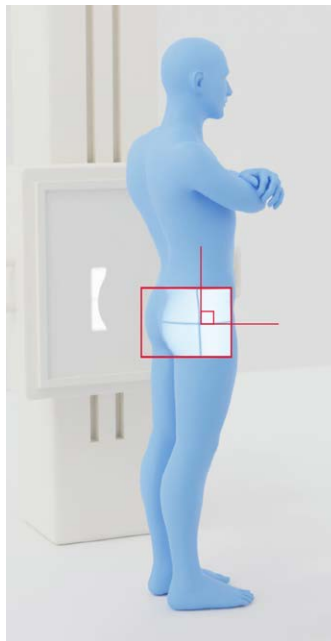




## X-Rays Needed for CUPTIMIZE™ Hip-Spine Analysis

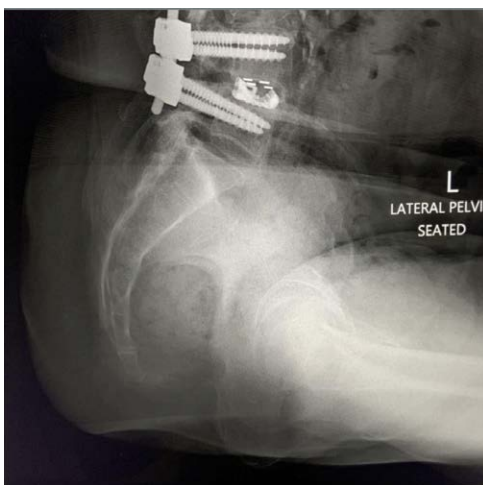
CUPTIMIZE™ Hip-Spine Analysis, a surgical planning feature in VELYS™ Hip Navigation, provides hip replacement surgeons with a diagnostic tool designed to address pelvic tilt using 4 x-ray images. Understanding the x-rays needed for accurate analysis is key when using CUPTIMIZE™ Analysis.



### X-Ray 1: Lateral Standing

#### Tips & Notes

- X-ray taken with patient standing lateral to the x-ray beam
- Key landmarks include L5-S1 joint, ASIS, Pubic Symphysis, and Femoral Heads
- Aligning the ASIS can help view anatomy needed for accurate analysis



### X-Ray 2: Lateral Sitting

#### Tips & Notes

- Patient in relaxed seated position with femurs parallel to floor and back vertical
- Key landmarks include L5-S1 joint, ASIS, Pubic Symphysis, and Femoral Heads
- Clear lateral view of L5-S1 jointspace is important for accurate analysis



### X-Ray 3: AP Pelvis Supine

#### Tips & Notes

- Key landmarks include distal aspect of sacroiliac joints, femoral heads, and pubic symphysis
- Center spine with pubic symphysis
- If using a hip ball marker, place marker at the same plane as the femur



### X-Ray 4: AP Pelvis Standing

#### Tips & Notes

- Key landmarks include distal aspect of sacroiliac joints, femoral heads, and pubic symphysis
- Center spine with pubic symphysis