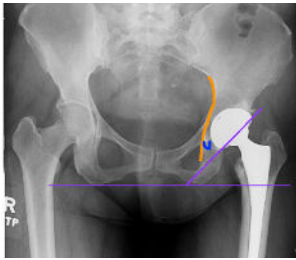


## 1. Plan



**1A.** Plan cup and stem position using standard templating techniques. (No pre-op CT required.)

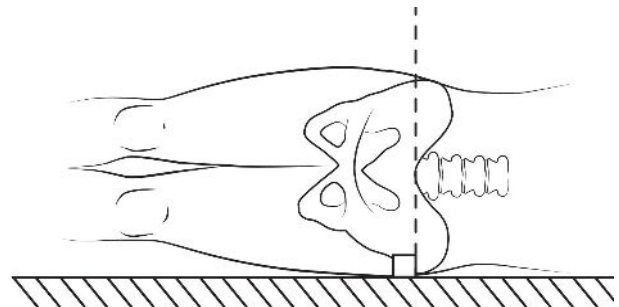


**1B.** Input desired cup inclination and version targets to the navigation unit.

## 2. Quick-Registration with patient setup

**2A.** When positioning patient prior to surgery, make sure to align both ASIS vertically and ensure that pelvis is securely held by an appropriate positioning device such as a peg board or vise-type patient positioner.

**Note:** After trial reduction, leg must be repositioned to this initial patient setup to register leg length and offset.



**2B.** Attach thigh plate to thigh using loban™ (or similar) and place magnetic target on thigh plate.



## 2. Quick-Registration with patient setup (*continued*)



**2C.** Insert two pins vertically in the iliac crest. The most anterior pin should be placed 2 finger breadths (approx. 2-4 cm) posterior to the ASIS.



**2D.** Attach pelvic base to pins by using the driver to tighten the bottom two screws.

**2E.** Place tack in greater trochanter, in hard bone and out of the way of stem prep.

**Note:** Tack must be accessible by probe for leg length registration.



**2F.** Place pelvic bracket assembly on pelvic base, and ensure:

- Laser is aimed at target
- Probe can access "Home" point on pelvic base
- Probe can access tack to register leg length

Then, secure the assembly by using the driver to tighten the top screw.

**Note:** Use a marking pen to mark the laser "+" placement on the target plate.



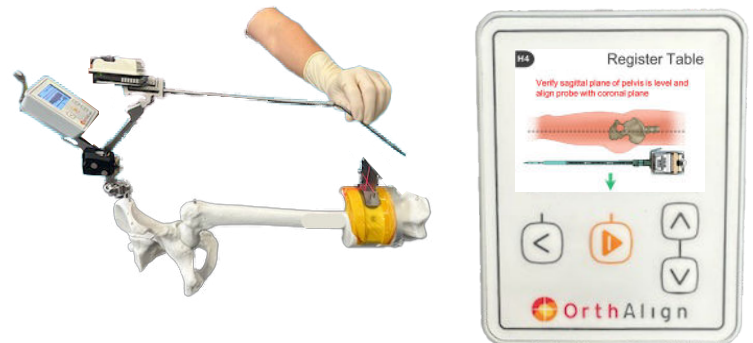
## 2. Quick-Registration with patient setup (continued)

**2G.** Register "Home" point on pelvic base.

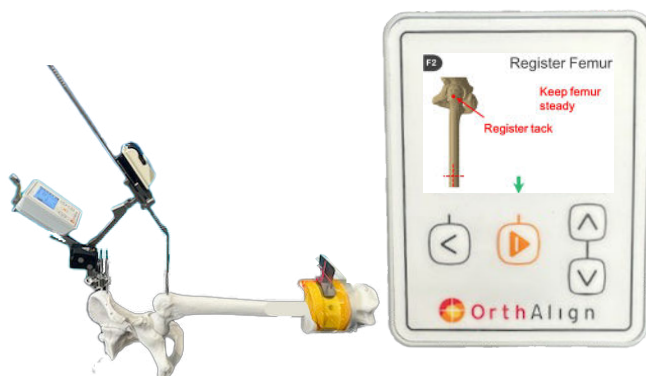


**2H.** Register coronal plane.

Align probe parallel to the coronal plane of the patient, in the direction of the thigh plate.



**2I.** Register tack.



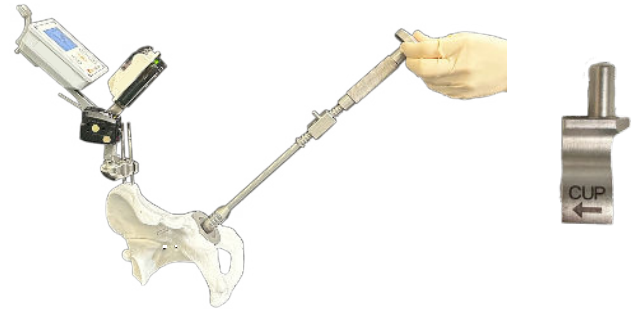
**2J.** Remove the pelvic bracket assembly and target, and then continue with acetabular bone preparation.



## 3. Trial-Assist - cup placement



**3A.** After assembling the bracket on the back table, attach it to the pelvic base.



**3B.** Preliminarily position cup impactor.

**Note:** Ensure the implant-specific adapter is attached to the cup impactor, with the arrow pointing towards the cup.



**3C.** Press orange "home" button to advance screens and wait for the "green light" to appear.



**3D.** Once the "green light" appears, transfer the sensor from the bracket onto the cup impactor, and view live abduction and anteversion on the screen. Set cup position.



**3E.** Prior to cup impaction, remove sensor from cup impactor and remove bracket from pelvic base. Repeat as many times as desired.

**Note:** Impacting prior to removing sensor and bracket may affect accuracy.

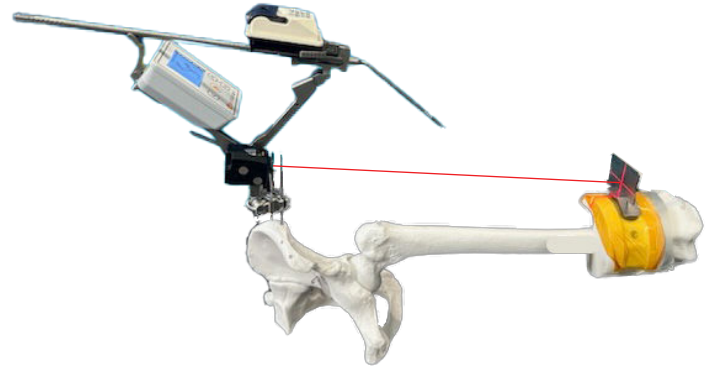
## 4. Trial-Assist - leg length and offset

**4A.** After preparing pelvic bracket assembly on the back table, attach assembly to pelvic base.

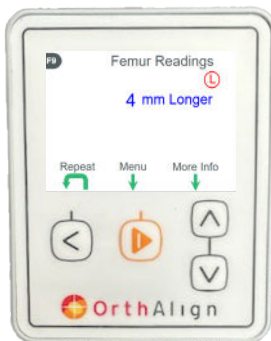
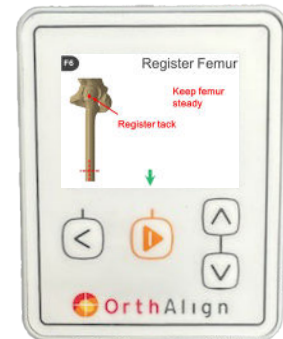
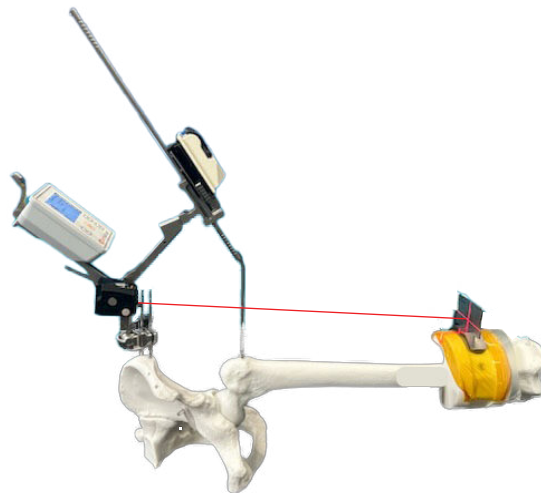
Attach magnetic target to thigh plate.

Ensure leg position is the same as initial registration by confirming laser is lined up with the target.

**Note:** Do not move laser or pins to realign patient position; instead, move leg as needed.



**4B.** Register tack.



**4C.** Leg length displayed.



**4D.** Press "More Info" to display offset.

Please refer to the HipAlign Lateral Surgical Technique Manual (PN 001248) for full technique.