

Indications for Use

The ONE Planner Hip is intended for use as preoperative surgical planning software to aid orthopaedic surgeons in component selection, sizing and placement for primary total hip arthroplasty.

The Move Forward is intended as pre-operative or post-operative software for simulating/evaluating hip preservation surgical treatment options and historical case review, respectively.

The ONE Planner Hip is intended to be used to assist qualified medical professionals to perform fast and effective pre-operative planning for various surgical procedures related to the hip using 2D or 3D image data

User Needs

User Need	Image	Notes	Design Considerations
US001 Template hips using an AP X-ray image			
US015 Calibrate the X-ray			
US278 Template hips in 3D using CT image data		We could split it out	Make Review feel more like a fake X-ray
US281 Template hips in 3D using AP X-ray image data		This is still tentative	Use icons for cup/stem?
US294 Template hips in 3D using CT image data		Or keep it generic at this level	Approve from the menu
US118 Contrast/brightness of X-ray		OPH3D needs this for pelvic tilt too	Make review screen the first step in the process
US295 Available brands for shells and stems		We'll be extending the scope, I imagine we'll keep them in sync	Remove breadcrumbs from sub-bar
US301 Plan brand, type and size of shell			Approve screen: have a way to go back (e.g. Cancel) to recover from fat finger approving
US302 Plan brand, type and size of stem			What happens when you End the Session?
US303 Position of stem			What happens when you close the Tab after approving?
US304 Position of shell		Should we make a distinction whether its in 2D or 3D?	Flow for Cheat sheet
US305 Version of shell			Do we need landmark adjustment and if so, is it a user need?
US306 Inclination of shell			More visible Undo button
US307 Varus/valgus of stem			Explore whether we could template the contralateral side?
US297: Version of stem		Should we generalize this to rotate the stem/shell?	XRay Switcher in AP view in Review
US298: Flexion/extension of stem			Two buttons to go directly to Cup or Stem editor from Review
US299: Version of the acetabulum		Given that we're mentioning these separately could be an argument to do the same for the stem	The complexity of an interactive fake X-ray are a high risk to the timeline
US300: Version of the femur			How should we display the head options in the PD view?
US308 Leg length difference			The optimal LLD/offset point near the heads is not immediately clear (confused with the acetabular center)
US309 Offset Difference			Gizmo for orientation in 3D views (mainly in Cup AP)
US310 Femoral neck cut		We might want to make changes to how we measure this in both 2D and 3D	Drag interaction of the Cup
US311 Leg length and offset corrections			Flow when you rotate the acetabulum and how to go back to neutral position
US312 Post-operative result simulation		In OPH3D everything is simulated, there's no pre-op visualization	Hover to see the hours on the dots in the Acetabulum viewport
US111 Spinopelvic mobility		OPH3D literally needs the same type of UI with X-rays	Do we need CT slices on top of the hourly slices? Would still not be enough to diagnose extra problems
US112 Categorization of spinopelvic mobility			Show percentage of coverage of the cup?
US116 Case notes			R&D The distance map might not work (well) if we have messed up hips
US313 Automated planning/templating			Find a way to compress Size, Head and Version
US126 PDF Report		OPH3D will likely use a fake X-ray and different values on the left, but still a one-pager	Should we display the acetabular version similar to femoral version?
US296: Range of motion simulation		What to do with native anatomy? Currently we only show the templated plan, nothing else	What to do with asymmetric cups & liners?
US315: Plan the liner of the shell			Color the stem part where you are making enough contact, but not removing cortex bone