The advanced surgical experience

HipMap, HipCheck and Pivot Guardian

Establishing the next frontier in FAI
Advanced approach to pre-operative clinical decision making.

Pre-Op

Plan
HipMap leverages advanced imaging to create a patient-specific, interactive 3D representation of the hip. The full report is delivered in a consumable format complete with cam and pincer analysis, version/torsion measurements, indications for potential instability, 3D heat maps, measurement scales and other visual tools.

Execute
Promotes a better understanding of pathology and may aid in portal placement, capsulotomy and positioning decisions that traditionally have been difficult to plan or have been done intra-operatively. HipMap may also facilitate early identification of complex morphology in order to streamline case planning and scheduling.

Educate
HipMap will help patients understand the pathology affecting their hip joint and contribute to a more robust discussion on the surgical approach.

Intra-Op

Freedom to operate.

Patient-specific cam pathology
Proprietary technology allows surgeons to localize and address cam pathology on a patient-specific basis.

Resection checklist
Helps surgeons address the full 3D volume of a cam lesion using 2D imaging.

Improve workflow
Introduces a visualization tool to the sterile field to augment a surgeon’s cam resection.

Touchscreen
The touchscreen interface is designed to integrate into current workflows and puts the surgeon in control.

A. Post-free
The Pivot Guardian Distraction System is designed to mitigate post-related complications.

B. Traction force gauge
The system includes a traction force gauge that estimates the amount of force on the patient.

C. Fine and gross traction controls
Designed to provide precise control and better range-of-motion. The surgeon can easily make abduction, adduction, as well as extension and flexion hip adjustments. It also allows for internal and external rotation of the hip.

Post-Op

Improve patient education and communication.

Pre-resection and post-resection comparison images demonstrate resection execution.

HipMap and HipCheck both contribute to more robust communication with patients.

A. Freedom to operate.

Improve post-op patient conversations
Leave patients with confidence that the cam pathology was addressed in accordance with the pre-operative plan. Pre-resection and post-resection comparison images demonstrate resection execution.

B. Improve patient education and communication
HipMap and HipCheck both contribute to more robust communication with patients.