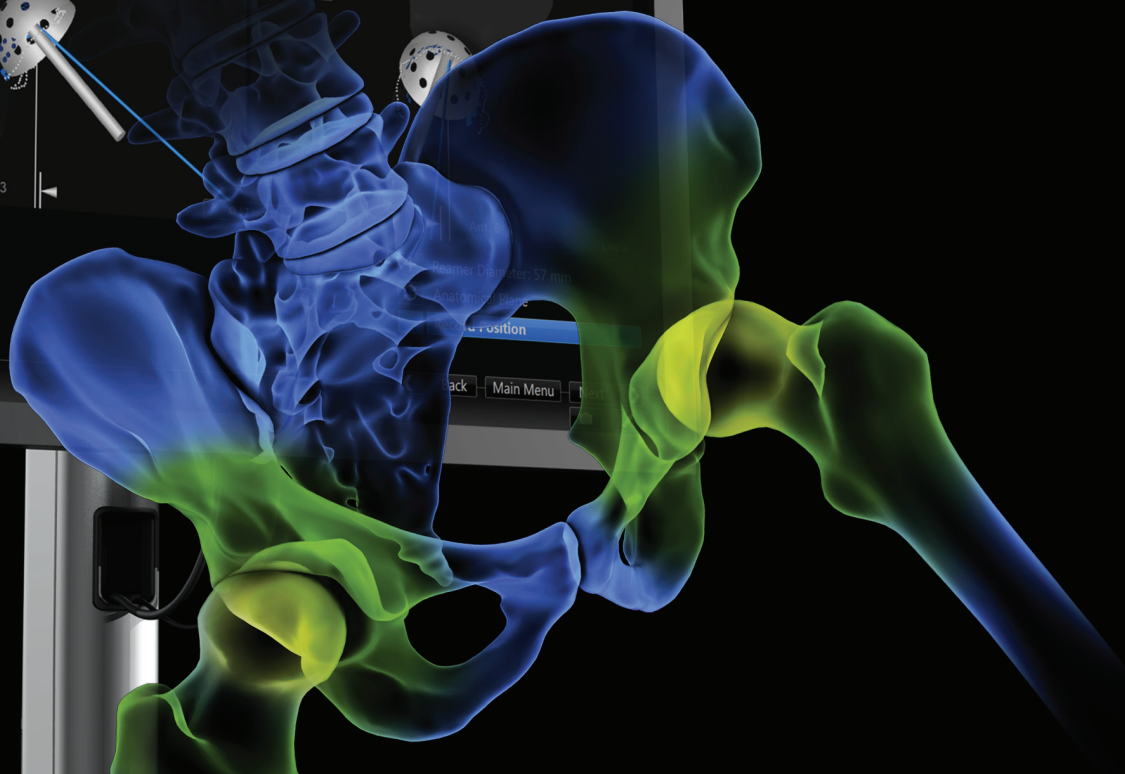




Designed with Versatility in Mind

OrthoMap® Versatile Hip Navigation Software





Lateral patient-table registration

Customizable surgical workflows

Live feedback while reaming

The Total Hip Solution

OrthoMap Versatile Hip Navigation Software makes it easier than ever to incorporate navigation into total hip arthroplasty procedures regardless of surgical approach, implant use, or patient positioning. This user friendly system enables surgeons to achieve consistent results in cup and stem positioning and leg length and femoral offset determinations, while offering real-time intraoperative assessments of stability and range of motion.

Multiple Registration Options: The user is able to decide which positioning technique and registration method is appropriate for their surgical approach. The system is designed to register patients in both the supine and lateral positions as well as utilize functional referencing, anatomical referencing, or both.

Navigate Direct Anterior Approaches: Features include customizable surgical workflows to accommodate individual surgeon preferences, multiple patient positions and various surgical approaches. The software allows for the placement of the pelvic tracker on the contra-lateral side. This supports the direct anterior approach because it places the tracker out of the surgical site, preventing potential collisions.

Register Patients in the Lateral Position: Stryker's Hip Navigation platform is the first software designed to efficiently register patients in the lateral position through patient/OR table referencing. Integrating the longitudinal body axis compensates for a possible patient-specific pelvic tilt. This results in a cup functionally aligned with the true coronal plane of the patient in the standing position. Lateral patient table registration completely removes the need to digitize the downside ASIS, maintaining surgical sterility throughout the registration process.

Pin-less Leg Length Determination: The user is able to analyze pre-operative leg length in comparison with the leg length observed in the final reduction for both trial implants and final implants, without fixing a tracker on the femur.

Trusted Accuracy Proven Results

Stryker — the market leader in orthopaedic navigation¹ — is committed to delivering unparalleled accuracy and control. Stryker's proprietary tracking technology has produced the most accurate optical navigation camera on the market.² When such industry-leading accuracy is combined with Stryker Navigation's smart instruments, the result is confidence in the OR, where the surgeon is able to completely control the software from the sterile field.

Acetabular component positioning is an extremely important determinant for successful total hip arthroplasty procedures. Navigation has proven to increase consistency and reproducibility in positioning the acetabular component for total hip arthroplasty procedures. This in turn has proven to reduce the potential for outliers in the inclination and anteversion planes.^{3,4,5}



Stryker NAV3 Platform



Pin-less leg length determination



Inclination and anteversion feedback for all implant systems

Reconstructive

Hips

Knees

Trauma & Extremities

Foot & Ankle

Joint Preservation

Orthobiologics & Biosurgery

MedSurg

Power Tools & Surgical Accessories

Computer Assisted Surgery

Endoscopic Surgical Solutions

Integrated Communications

Beds, Stretchers & EMS

Reprocessing & Remanufacturing

Neurotechnology & Spine

Craniofacial

Interventional Spine

Neurosurgical, Spine & ENT

Neurovascular

Spinal Implants

References

1. US Markets for Surgical Navigation Systems 2012, Millennium Research Group, May 2012.
2. Elfring R, de la Fuente M, Radermacher K. Assessment of optical localizer accuracy for computer-aided surgery systems. *Comput Aided Surg.* 2010;15(1-3):1-12.
3. Jolles BM, Genoud P, Hoffmeyer P. Computer-assisted cup placement techniques in total hip arthroplasty improve accuracy of placement. *Clin Orthop Relat Res.* 2004 Sep; (426): 174-9.
4. Nogler M, Kessler O, Prassl A, Donnelly B, Streicher R, Sledge JB, Krismer M. Reduced variability of acetabular cup positioning with use of an imageless navigation system. *Clin Orthop Relat Res.* 2004 Sep;(426):159-63.
5. Wixson RL, MacDonald MA. Total hip arthroplasty through a minimal posterior approach using imageless computer-assisted hip navigation. *J Arthroplasty.* 2005 Oct;20(7 Suppl 3):51-6.

The information presented in this brochure is intended to demonstrate a Stryker product. Always refer to the package insert, product label and/or user instructions before using any Stryker product. Products may not be available in all markets. Product availability is subject to the regulatory or medical practices that govern individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area. Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: OrthoMap, Stryker NAV3 and Stryker. All other trademarks are trademarks of their respective owners or holders.

Literature Number: 9100-001-822 Rev. None
DDM/PS 1k 11/12

Copyright © 2012 Stryker
Printed in USA

Stryker Navigation
4100 East Milham Avenue
Kalamazoo, MI 49001 USA
t: 269 323 7700, f: 800 999 3811
toll free: 800 253 3210

Stryker Leibinger GmbH & Co. KG
Bötzingen Straße 41
D-79111 Freiburg, Germany
t: + 49 761 4512 0, f: +49 761 4512 120

www.stryker.com/navigation
www.KnowCAS.com