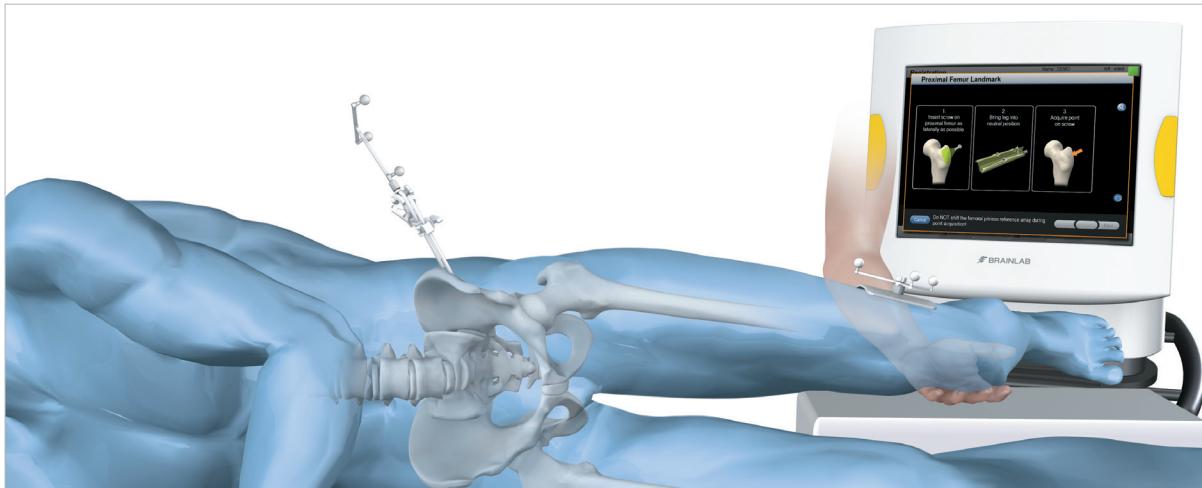


ACCURATE LEG LENGTH RESTORATION

Brainlab® Hip Express is the solution for fast, simple and accurate measurement of leg length and joint offset during total hip arthroplasty.



THE CHALLENGE

"Limb length inequality is an undesirable complication of total hip arthroplasty and is associated with numerous adverse effects, including gait alterations, low-back pain, patient dissatisfaction, and even litigation."

Garvin KL, Backstein D, Pellegrini VD Jr, Kim RH, Lewallen DG. Dealing with complications. J Bone Joint Surg Am. 2009; 91:18-21

Obtaining consistent and reproducible results in total hip arthroplasty is a common challenge for surgeons, especially in terms of leg length equalization, as well as joint offset and stability restoration.

OUR SOLUTION—BRAINLAB® HIP EXPRESS

Brainlab® Hip Express is an intra-operative, computer-assisted solution that provides accurate and reproducible restoration of leg length and joint offset for surgeons performing total hip arthroplasty. Our navigation software offers a simple, straightforward workflow with minimal instrumentation required. Easy-to-use for any surgical approach, it only needs three landmarks for registration, while providing non-invasive leg length and offset measurement.



THE OUTCOME

Achieving consistent results for leg length and joint offset indicates lower dislocation rates, which may culminate in higher patient satisfaction. Hip Express drives fast and accurate restoration, while providing surgeons with results that are superior to mechanical alignment guides.

EASILY UPGRADED

Brainlab® Hip navigation software offers extended functions and the possibility to navigate cup placement. Our Hip Express software can be easily upgraded for surgeons seeking additional functionality for reproducible and accurate component positioning.

“...Our results demonstrated that in THR computer navigation significantly improves the restoration of limb length.”

Manzotti A, Cerveri P, De Momi E, Pullen C, Confalonieri N. Does computer-assisted surgery benefit leg length restoration in THA? Navigation versus conventional freehand. Int Orthop. 2011 Jan;35(1):19-24

“Femoral offset restoration is recognized as an important part of THA procedure to improve joint stability and implant longevity.”

Lecerf G, Fessy MH, Philippot R, Massin P, Giraud F, Flecher X, Girard J, Mertl P, Marchetti E, Stindel E. Femoral offset: Anatomical concept, definition, assessment, implications for preoperative templating and hip arthroplasty. Orthopaedics&Traumatology: Surgery&Research (2009) 95, 210-219

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