

It's More Than Size That Matters: The Role of Glenoid Concavity in Shoulder Instability with Anterior Bone Loss

Wermers J, Schliemann B, Raschke MJ, Michel PA, Heilmann LF, Dyrna F, Sußiek J, Frank A, Katthagen JC

Jens Wermers MSc

Department of Trauma, Hand, and Reconstructive Surgery

University Hospital Münster, Germany

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AGA
Gesellschaft für Arthroskopie
und Gelenkchirurgie

- free provision of a humeral head implant

- Arthrex GmbH, Munich, Germany
- *Eclipse* – stemless shoulder prosthesis





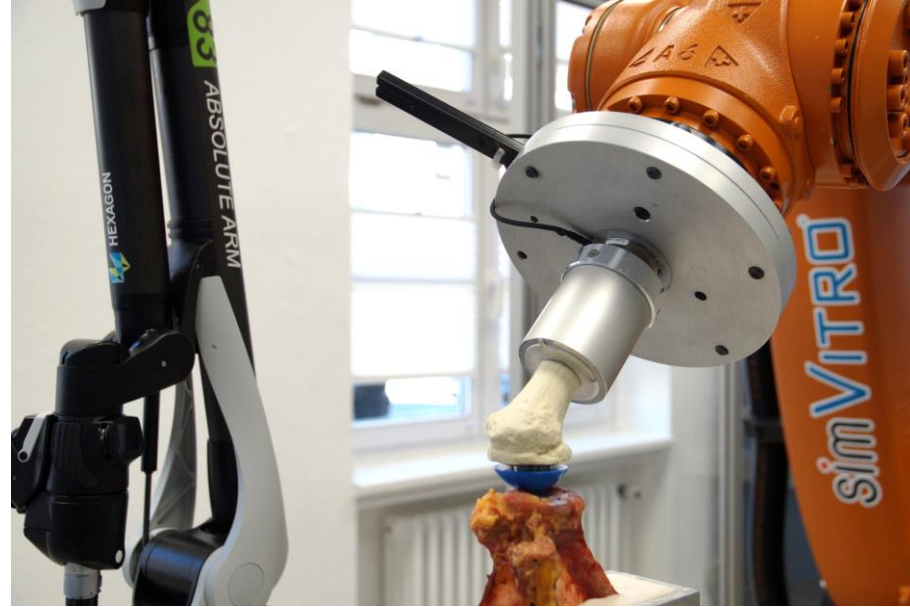


What is the biomechanical influence of concavity and bony defect size on stability?





- highly accurate method
 - robot-based test setup
 - 3D measuring arm
- simplified model
 - only bone and cartilage
 - acromion and coracoid process cut off
- impact of soft tissue unexplored
 - muscles
 - labrum
 - capsule and ligaments





Thanks for your attention!

