

Signature™ Glenoid Positioning Guide for Comprehensive® Shoulder



Compatible Implant Systems

- 1 Comprehensive Hybrid® Glenoid
- 2 Comprehensive Reverse Baseplate
 - Mini 25 mm
 - Standard 28 mm



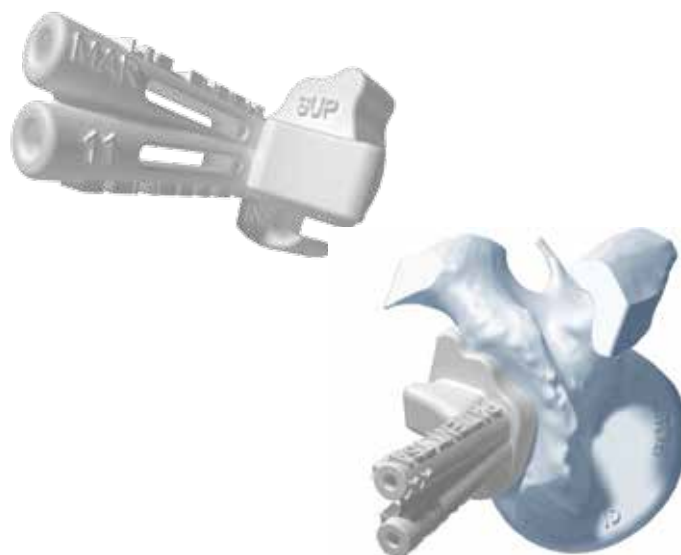
Software

- Web-based Planning Software (PC and Tablet App) to develop patient-specific glenoid positioning guides
- Offers both Anatomic and Reverse shoulder arthroplasty planning
- Allows high-resolution 3D Visualization



Guides

- A dual-trajectory guide affords surgeons the ability to make an intra-operative decision between anatomic and reverse implant preparations
- A thumb rest based pressure point that helps surgeons position the guide in correct registration of the glenoid face.
- A viewing window designed into the guide which acts as a visual aid for surgeons to correctly register the guide against the glenoid
- Large Registration Surface from Anterior Rim to Coracoid Base



Patient-specific targeting guides compared with traditional instrumentation for glenoid component placement in shoulder arthroplasty: a multi-surgeon study in 70 arthritic cadaver specimens

Thomas W. Throckmorton, MD, Lawrence V. Gulotta, MD, Frank O. Bonnarens, MD, Stephen A. Wright, MD, Jeffrey L. Hartzell, MD, William B. Rozzi, MD, Jason M. Hurst, MD, Simon P. Frostick, MD, John W. Sperling, MD

Objective of the study

The purpose of this study was to compare the accuracy of patient-specific guides for total shoulder arthroplasty (TSA) with traditional instrumentation in arthritic cadaver shoulders.

Design of the study

Seventy cadaver shoulders with radiographically confirmed arthritis were randomized in equal groups to 5 surgeons of varying experience levels who were not involved in development of the patient-specific guidance system. The Signature glenoid preoperative planning techniques were used to formulate a plan for each cadaver. Specimens were then randomized to patient-specific guides based off of computed tomography scanning, standard instrumentation, and anatomic TSA or reverse TSA. Variances in version or inclination of more than 10 degrees and more than 4 mm in starting point were considered as significant component malposition.

Talking Points of the study

- The patient-specific guides allow implants to be placed more accurately in version and inclination compared to standard techniques^{1,*}
- Patient-specific targeting guides also resulted in significantly fewer malpositioned components than with traditional instrumentation^{1,*}
- Patient-specific guides are more accurate in placing implants in a targeted version in shoulders with more preoperative glenoid retro-version^{1,*}

1. Patient-specific targeting guides compared with traditional instrumentation for glenoid component placement in shoulder arthroplasty: a multi-surgeon study in 70 arthritic cadaver specimens Throckmorton, Thomas W. *et al.* *Journal of Shoulder and Elbow Surgery*, Volume 24, Issue 6, 965- 971.

* Cadaveric testing may not be indicative of clinical performance

This material is intended for health care professionals. For complete prescribing information, please see the package insert and visit zimmerbiomet.com. For product information, including indications, contraindications, warnings, precautions, potential adverse effects and patient counseling information, see the package insert and www.zimmerbiomet.com.

Check for country product clearances and reference product specific instructions for use. Not all products are registered in all jurisdictions.

© 2018 Zimmer Biomet



ZIMMER BIOMET
Your progress. Our promise.®