



The DePuy Shoulder Range

Helping you treat more patients, effectively.

Arthritis

Cuff Tear

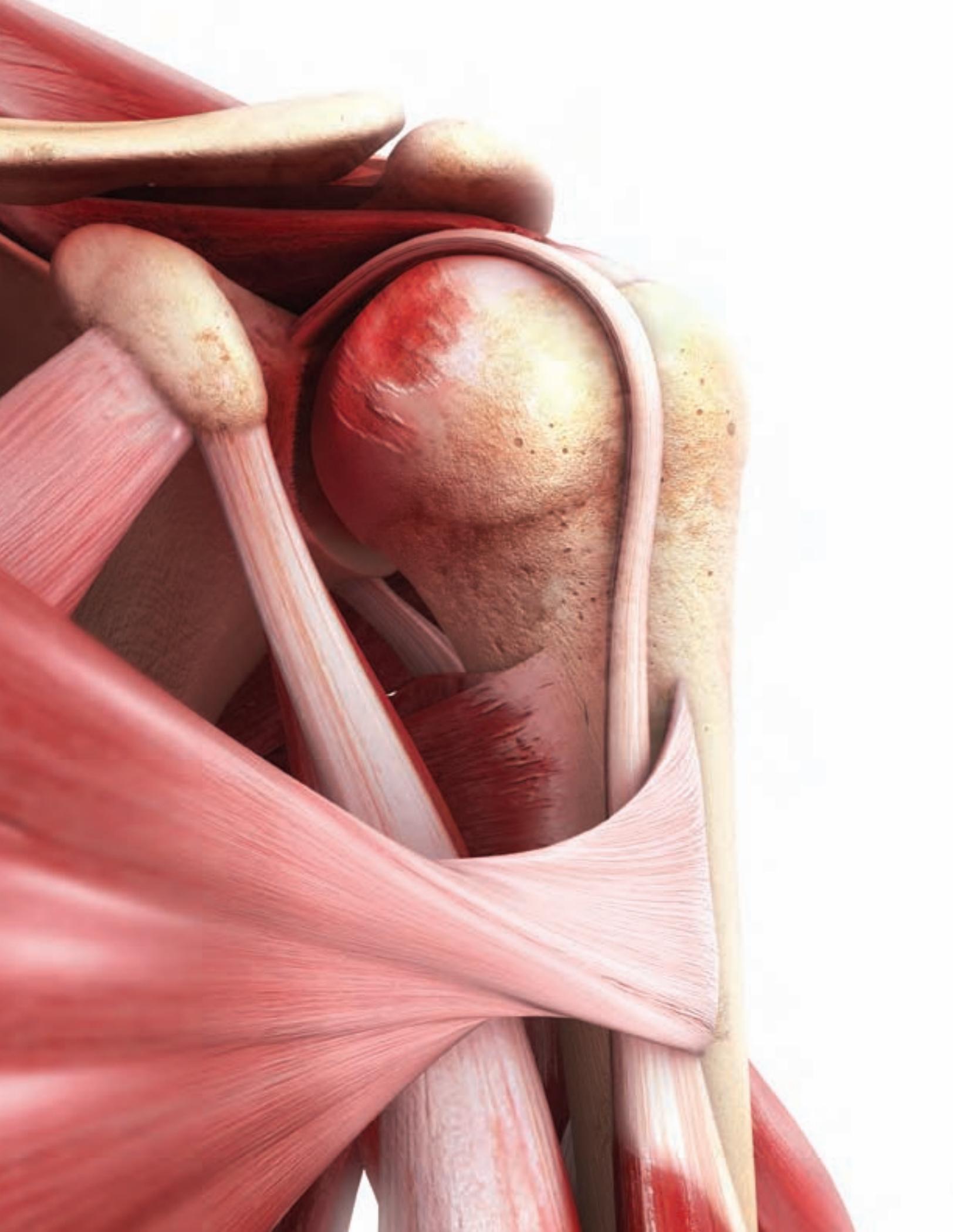
Fracture





RECOVERY FUNCTION SURVIVORSHIP

DePuy believes in an approach to total shoulder replacement that places equal importance on recovery, function and survivorship.



Arthritis. Ensuring good motion pain relief and implant durability are fundamental requirements of a glenohumeral joint replacement system. DePuy's arthritis products meet the needs of patients suffering from a painful and/or disabled joint resulting from osteoarthritis, traumatic arthritis or rheumatoid arthritis.



ARTHRITIS

Global C.A.P.™

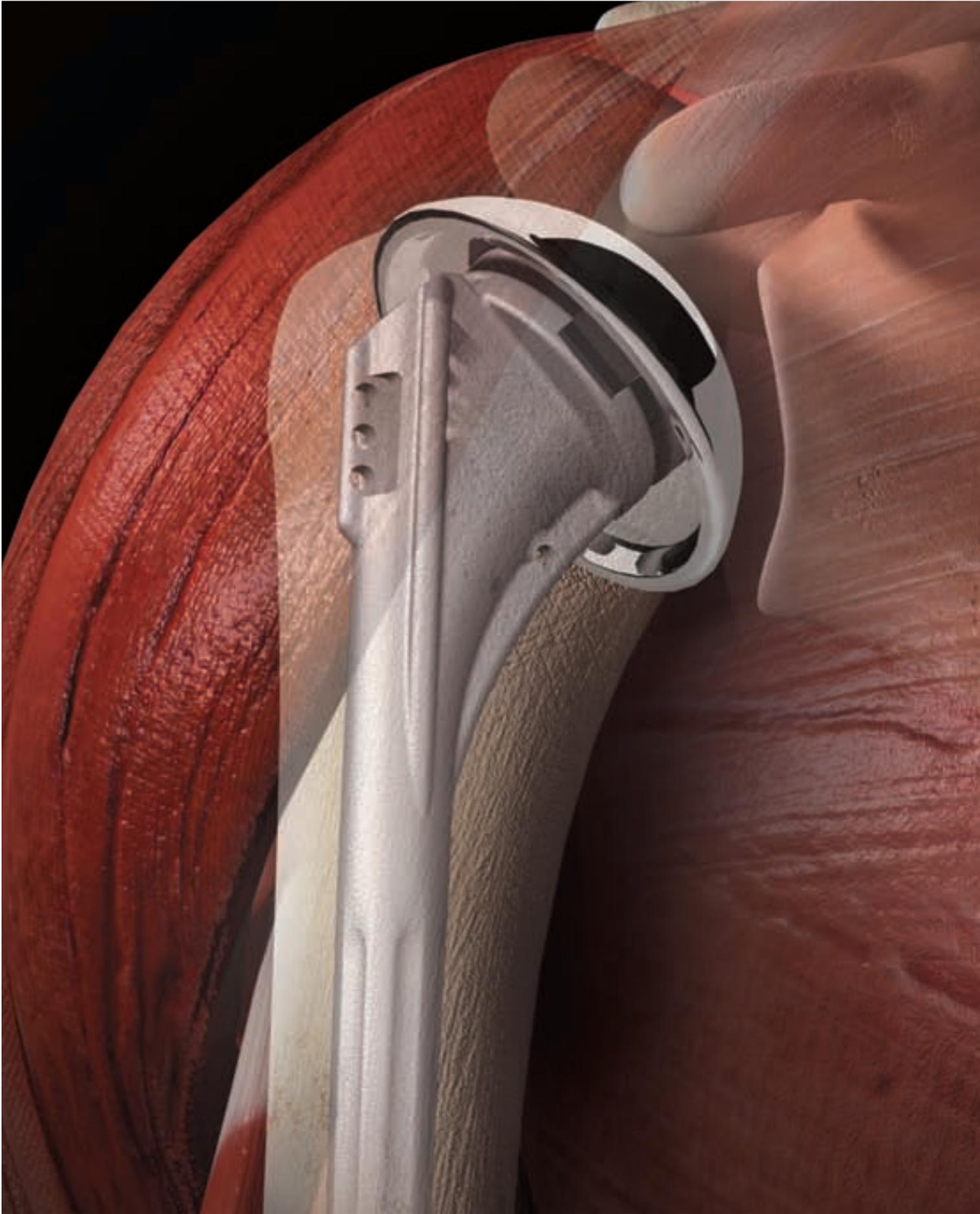
Bone preserving, early intervention

Eliminates the need for full head resection and reduces loss of healthy bone

Design and size range optimizes the match with individual patient anatomy

Articulates with Global Advantage™ glenoids, when required

The Global C.A.P.™ Resurfacing Humeral Implant eliminates the need for a full head resection, to provide a solution for active, arthritic patients or patients in need of a bone sparing implant. The head surface is designed to articulate with DePuy glenoid implants or with the patient's natural glenoid and is available in a range of sizes that allows the surgeon to restore the patient's natural joint anatomy.



ARTHRITIS

Global Advantage™

The proven primary total shoulder

17

Years clinical experience

The Global Advantage™ Shoulder system design is a true anatomic design and combines almost two decades of clinical success to deliver a precise, reliable system

The Global Advantage™ System offers a proximal filling, press fit design and rotational stabilizing fins which combine to provide a clinically proven, reproducible implant

The Global Advantage Shoulder evolved from the success of its predecessor, building on the clinical track record established with a range of important features such as low profile standard and eccentric heads, original proximal filling body, reverse taper locking mechanism and optimized glenohumeral contact.



Variable inclination between $\pm 15^\circ$



Variable version between $\pm 15^\circ$

Three dimensional variation in any direction for a precise anatomic match

Adjustable neck geometry for enhanced joint stability, function and adaptability combined with science, simplicity and successful clinical history with the Global shoulder design

Straightforward trialing and implant replication procedures provide the surgeon with a simple and reproducible system

Global AP™ Shoulder allows the surgeon to choose the established 135 degree fixed neck option, to simplify the surgical procedure for the majority of patients

Standard and eccentric options to optimize head geometry to suit each patient

The Global AP™ Shoulder further extends the Global® family of implants to offer even greater facility to match patient anatomy and restore joint function and stability. By combining a fixed and variable angle neck option in one implant system, with a single set of instruments, the Global AP Shoulder allows the surgeon to control inclination and version, based on the actual head resection. Or if the standard 135 degree cut is made, the operation follows a well-established procedure.



Global® Anchor Peg Glenoid

Fixation success and low wear

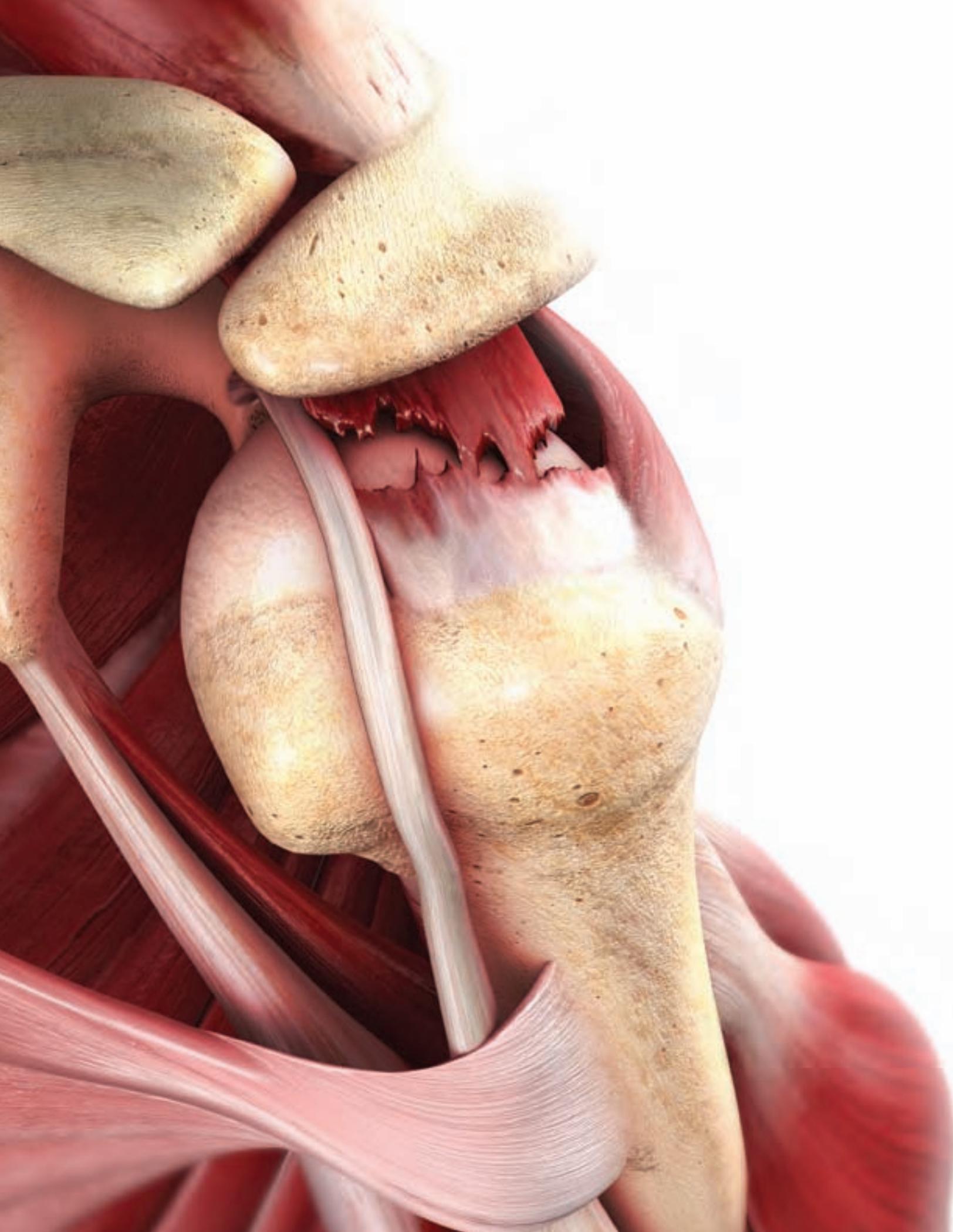
Central interference fit and angled peripheral pegs for immediate mechanical stability

Thin cement interface minimizes the risk of cement related thermonecrosis

Improved fixation over time following ingrowth around peg flutes³

Moderately cross-linked polyethylene utilizing DePuy's proprietary process for significantly improved wear performance^{1,2}

The Global® Anchor Peg Glenoid is designed to address one of the biggest challenges presented by glenoid reconstruction, to anchor the implant in bone for reliable fixation and stability under eccentric load. The angulation of its peripheral pegs and the interference fit of the fluted central peg deliver immediate mechanical stability. Secure fixation is confirmed over time by biological integration which is encouraged by the inclusion of morselized bone packed between the central flutes.



Cuff Tear. When glenohumeral arthritis is associated with irreparable rotator cuff damage and where conventional total shoulder arthroplasty may not be fully effective in restoring joint stability with an adequate range of movement, DePuy offers effective treatment for many levels of rotator cuff deficiency with arthritis through final stage revision.



CUFF TEAR

Global® CTA Humeral Head

Increased area of lateral articulation for less pain,
improved range of motion and joint stability

CTA bearing geometry compensates for proximal migration
to restore joint stability and range of motion

Extended head design aids in low friction across a greater area of articulation,
preserves acromial bone and may reduce pain

The Global® CTA Humeral Head incorporates bearing geometry that is designed to assist the surgeon in compensating for proximal humeral migration and joint instability. The bearing surface is extended to provide a larger area of lateral articulation than in the standard humeral head. This stabilizes the joint, produces a low co-efficient of friction at the articulation interface with the acromion, potentially reduces pain and may increase the range in abduction and external rotation.



CUFF TEAR

Delta Xtend™

Proven, effective treatment for cases of severe instability

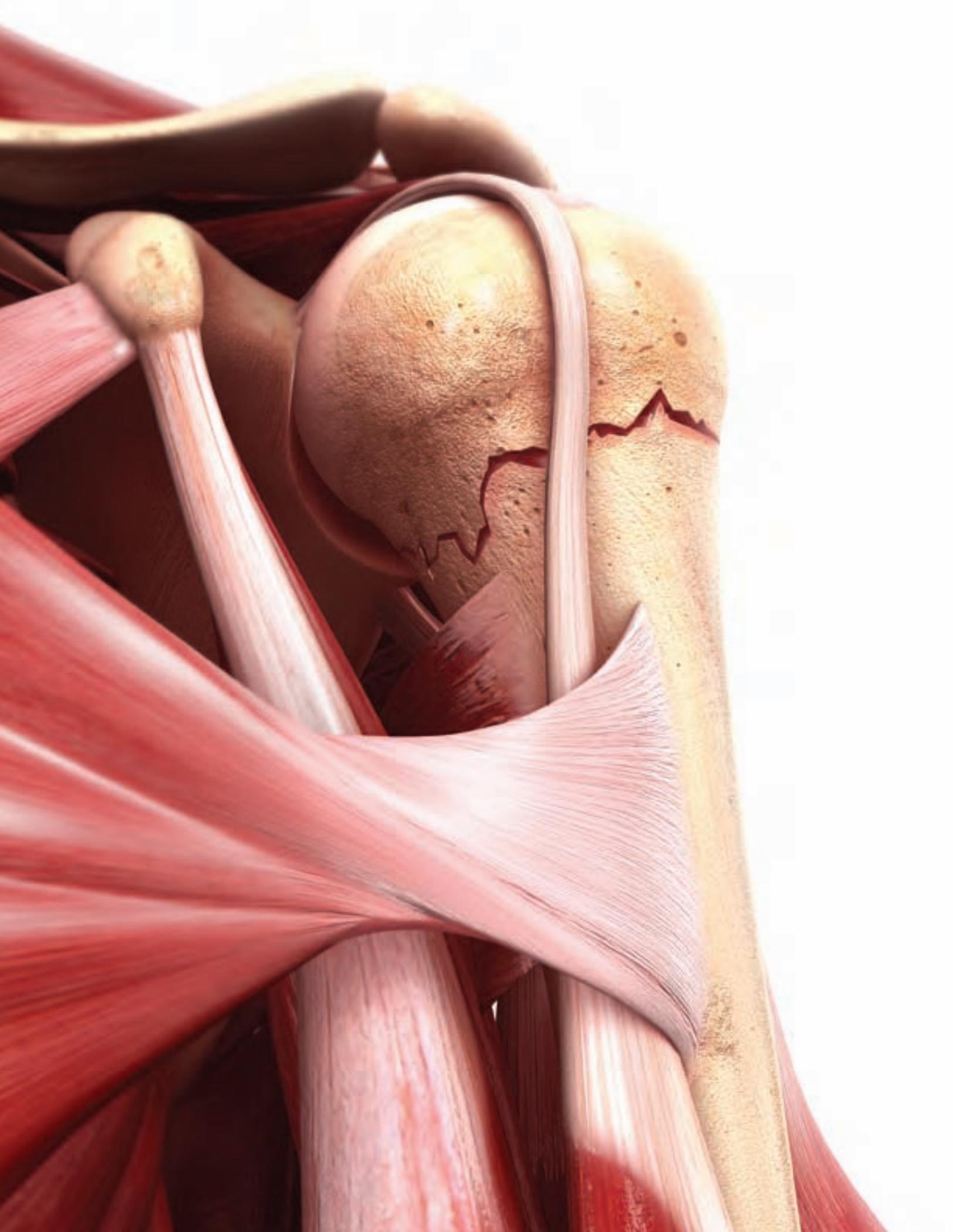
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Years clinical experience based on the Delta® Reverse Shoulder System

Reverse geometry medializes the humeral center of rotation and increases deltoid lever arm function

Restores near normal range of motion minimizing pain, with reliable prosthesis fixation

The Delta Xtend™ Reverse Shoulder System may be considered appropriate for patients with stiffness due to pseudo-paralysis due to osteoarthritis with massive and irreparable rotator cuff tear. Other indications for consideration include: fracture sequelae with proximal humeral distortion or tuberosity migration/osteolysis, and prosthetic revision in cuff deficient shoulder and tumor surgery. In short, the Delta System is a final stage solution. Its reverse geometry medializes the humeral center of rotation and increases the deltoid lever arm function. This restores near normal range of motion minimizing pain, with reliable prosthesis fixation.



Fracture. In shoulder fracture the goals to be met are restoring proper mechanics, achieving adequate range of motion and eliminating patient discomfort. These goals can be met by selecting the proper humeral prosthesis height, establishing the desired humeral component retroversion and achieving anatomic and secure fixation of the tuberosities to each other and to the humeral shaft. DePuy offers effective options for humeral fractures with a prosthesis, plates or nails. In the case of Clavicle fractures, DePuy offers a proven clavicle pin and the Rockwood screw to meet patient's needs.



FRACTURE

Global® FX

Accurate restoration of joint anatomy

Reduced proximal body profile to preserve bone stock

Positioning jig establishes appropriate height and version of the stem

Porous and non porous coated stem options



The Global® FX Shoulder provides an effective response for fractures of the humeral head. The system allows the surgeon to address the injury with the same confidence and surgical precision offered by the proven Global Advantage™ shoulder. Its unique positioning jig also assists the surgeon to restore the appropriate head height and version to assure stability and proper joint function.



SNP™ Shoulder Nail Plate

Proximal stability with minimal soft tissue disruption

Spacial subchondral support preserves reduction

Narrow profile fits easily between tendon compartments and minimizes extensor tendon irritation

Small incision for improved patient recovery time

S³™ Proximal Humerus Plate

Stability and fixation, avoiding subacromial impingement

F.A.S.T. Guide™ Technology for targeted fragment capture and stabilization

Strong and stable construct

Simplified soft tissue attachment

The S³ and SNP shoulder products bring a number of unique developments to trauma surgery. Careful attention to plate shape and form, peg-locking mechanisms and suture detailing allow the surgeon to minimize exposure, capture and stabilize the fragments and preserve reduction, to create a strong and stable construct.



FRACTURE

VersaNail® Humeral Nailing System

Nail options designed to treat complex proximal humeral fractures down to distal shaft fractures

Mechanical stability achieved with minimal dissection,
for rapid postoperative mobilization

Proprietary locking sleeve system reduces potential for screw backout

The DePuy VersaNail Humeral Nailing System is designed to treat a wide range of humeral fractures, from complex proximal fractures to distal shaft fractures. The proximal nail includes locking technology which allows all proximal multiple angled screws to be rigidly locked to the nail to prevent screw back-out. Mechanical stability is achieved with minimal dissection and reduced periosteal stripping and soft tissue devitalization. This minimizes the risk of compromising revascularization and periosteal callus formation, and allows rapid mobilization of the patient and early range of motion for improved rehabilitation.



Rockwood Clavicle Pin

Less invasive implantation than with conventional surgery, which may produce faster recovery with less pain

Minimally invasive approach helps to avoid tissue stripping

Helps to preserve blood supply

Less painful than other fixation options

Helps to avoid stress risers caused by plate and screw removal

The DePuy Rockwood Clavicle Pin is designed to treat mid-shaft clavicle fractures, non-unions and malunions. These injuries frequently occur in young, athletic patients who may be left untreated to avoid issues such as impaired blood supply, painful and prominent hardware and stress risers related to the removal of plate and screws. However, non-treatment can lead to chronic pain, weakness and a higher nonunion rate. The DePuy Rockwood Clavicle Pin overcomes all of these problems with a simple, minimally invasive, less painful procedure that stabilizes the fracture and helps to avoid stress risers.

References:

1. Data on file at DePuy Orthopaedics, Inc. WR#030290.
2. Klotz, C., D. Deffenbaugh, D. McNulty, S. Swope and M. Wirth. "Cross-linked Glenoid Prosthesis: A Wear Comparison to Current Glenoid Prosthesis." DePuy Cat. No. 0612-00-585.
3. Wirth, M., MD, D.L. Korvick, VMD, PhD, C.J. Basamania, MD, F. Toro, MD, T.B. Aufdemorte, DDS, and C.A. Rockwood, Jr, MD. "Radiologic, Mechanical, and Histologic Evaluation of 2 Glenoid Prosthesis Designs in a Canine Model." DePuy Cat. No. 0612-38-050.



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