Latitude™ EV
TOTAL ELBOW PROSTHESIS
The Latitude™ EV prosthesis is designed to replicate the natural anatomy of the elbow. The innovative Latitude gives surgeons the ability to reproduce the natural flexion/extension axis and restore natural kinematics of the elbow with its anatomic design. The Latitude™ EV implant design is founded on the original Latitude implant which has been in clinical use since 2001.
Latitude™ EV Total Elbow prosthesis is designed to reproduce the patient’s anatomy and restore the natural kinematics of the elbow, while offering maximum flexibility in elbow arthroplasty.

<table>
<thead>
<tr>
<th>Design Feature</th>
<th>Advantage</th>
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<tbody>
<tr>
<td>Intraoperative flexibility to link or unlink the implant (a change in linkage can be performed at any time)</td>
<td>Flexible options to address a wide range of indications and patient needs</td>
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<td>Linked ulnohumeral components can accommodate the native radial head or the Latitude EV bipolar radial head</td>
<td>Allows for optimal mechanical balance of radiohumeral articulation</td>
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<tr>
<td>Ti Plasma Spray</td>
<td>Enhances long term fixation</td>
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**ANATOMIC DESIGN** to restore normal anatomy for optimal range of motion

**MODELED AFTER THE HUMAN ANATOMY**

REPRODUCES NATURAL ELBOW KINEMATICS WITH AN ANATOMIC DESIGN
...simply restore the natural kinematics of the elbow.

- **Radial Head Option**
  - Concave barrel shaped trochlea preserves linear contact through 7° varus/valgus movement with ulnar component

- **Ulnar Stem**
  - Shape replicates natural bow of the ulna to aid in ease of insertion and reduce stresses on the cortical wall

- **Humeral Spool**
  - Concave barrel shaped trochlea preserves linear contact through 7° varus/valgus movement with ulnar component

- **Humerals Stem**
  - Square shape for rotational stability

- **Anterior Flange**
  - For bone graft

- **Medial/Lateral Fins**
  - Prevent rotation

- **Ulnar Cap Option**
  - To enable use as a linked or unlinked implant

60% of comprehensive loads are transferred across the radiohumeral joint. Morrey et al, JBJS 70-A 1988. Latitude is the only total elbow prosthesis that enables surgeons to maintain the radiohumeral joint when alignment is adequate.
User Friendly, Intuitive Instrumentation

The Latitude™ EV system offers new, completely redesigned instrumentation. The instrumentation system allows for accurate component positioning with humeral, ulnar, and radial preparations that are separate but codependent.
Latitude™ EV Total Elbow Product Specifications

Humerals Spools
DKY211 Small Right
DKY212 Small Left
DKY213 Medium Right
DKY214 Medium Left
DKY215 Large Right
DKY216 Large Left
DKY217 Large+ Right
DKY218 Large+ Left

Humerals Stems
0030302 Small Standard Right
0030303 Small Standard Left
0030402 Medium Standard Right
0030403 Medium Standard Left
0030502 Large Standard Right
0030503 Large Standard Left
0030312 Small 150 mm Right
0030313 Small 150 mm Left
0030412 Medium 150 mm Right
0030413 Medium 150 mm Left
0030513 Large 150 mm Right
0030514 Large 150 mm Left
0030322 Small 200 mm Right
0030323 Small 200 mm Left
0030422 Medium 200 mm Right
0030423 Medium 200 mm Left
0030522 Large 200 mm Right
0030523 Large 200 mm Left

Ulnar Stems
0030010 Small Short Right
0030011 Small Short Left
0030110 Medium Short Right
0030111 Medium Short Left
0030210 Large Short Right
0030211 Large Short Left
0030020 Small Standard Right
0030021 Small Standard Left
0030120 Medium Standard Right
0030121 Medium Standard Left
0030220 Large Standard Right
0030221 Large Standard Left
0030330 Small 125 mm Right
0030331 Small 125 mm Left
0030130 Medium 125 mm Right
0030131 Medium 125 mm Left
0030230 Large 125 mm Right
0030231 Large 125 mm Left
0030340 Small 150 mm Right
0030341 Small 150 mm Left
0030140 Medium 150 mm Right
0030141 Medium 150 mm Left
0030240 Large 150 mm Right
0030241 Large 150 mm Left

Ulnar Caps
DKY067 Small
DKY068 Medium
DKY069 Large

Radial Heads and Stems
DKY056 Small Head
DKY057 Medium Head
DKY058 Large Head
DKY059 Large+ Head
DKY061 5.0 mm Stem
DKY062 6.5 mm Stem

Cement Restrictors
EBO101 Cement Restrictor (Diameter Range 8-15 mm)
EBO102 Cement Restrictor (Diameter Range 5-8 mm)

Single Use Items
DKY090 Single Use Suture Passer
DWDO60 3 mm Drill Bit

Indications:
The Tornier Elbow Prosthesis is intended for total elbow arthroplasty. Prosthetic replacement with this device may be indicated to relieve severe pain or significant disability following the effects of primary or secondary osteoarthritis and rheumatoid arthritis, correction of functional deformities; revision procedures where other treatments or devices have failed; treatment of fractures that are unmanageable using other techniques. The Tornier Elbow Prosthesis is intended for cemented use only.

Contraindications:
Systemic infection is an absolute contraindication. Every effort should be made to rule out the possibility of preoperative sepsis in patients who have one or more of the following abnormalities: fever and/or local inflammation; rapid joint destruction or bone resorption apparent on roentgenograms; elevation of sedimentation rate unexplained by other disease; elevation of WBC count; rapid joint destruction or bone resorption apparent on roentgenograms; elevation of sedimentation rate unexplained by other disease; elevation of WBC count; distant foci of infection from genitourinary, pulmonary, skin and other sites, dental focus infection which may cause hematogenous spread to the implant site; skeletally immature patients; cases where there is inadequate neuromuscular status, poor bone stock, or poor skin coverage around the elbow joint that would make the procedure unjustifiable; neuromuscular or psychiatric disorders which might jeopardize fixation and postoperative care; known allergy to one of the materials; pregnancy.

Latitude™ EV has been designe d in conjunction with:
Graham King, MD (University of Western Ontario); Shawn O’Driscoll, MD, PhD (Mayo Foundation); Ken Yamaguchi, MD (Washington University)

Torrier is pleased to bring you a comprehensive suite of upper extremity products.

TORNIER

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Prior to using any Tornier device, please review the instructions for use and surgical technique for a complete listing of indications, contraindications, warnings, precautions, potential adverse events, and directions for use.

Latitude EV - Brochure - UCJF141