Product Overview
Anatomic Radial Head Solutions

Treatment Options for Simple to Complex Fractures
From plating a fractured radial head to replacing it with an anatomic implant, Acumed offers comprehensive solutions for a variety of elbow fractures. Acumed created the first anatomically shaped radial head on the market and has continued to evolve that system, replacing broaches with reamers, adding long stems, and enhancing the instrumentation.

The Acutrak 2® Headless Compression Screw (Mini and Micro sizes) also adds to the surgeon’s toolkit for elbow fixation.
Acutrak 2® Headless Compression Screw

Acutrak 2 screws are designed for the fixation of small bones and fracture fragments, in place of a headed screw or an equivalent-size headless screw.
System Features

Mini and Micro Sizes
- Acutrak 2 Mini has a 3.5 mm diameter tip and a 3.6 mm tail
- Acutrak 2 Micro has a 2.5 mm tip and a 2.8 mm tail

Headless Screw
Headless screw design is intended to minimize soft tissue irritation

Patented Thread Pitch
Fully threaded, continuously variable thread pitch allows each thread along the entire length of the screw to aid in the reduction and compression of the fracture

Designed to Ease Insertion
Self-cutting and self-tapping screw is designed to facilitate insertion into hard bone

Acutrak 2® Headless Compression Screw
Acutrak 2 Mini and Micro Instruments may be included in the base of each radial head prosthesis tray to expand the surgical options. Acutrak 2 screws are available for individual order sterile or non-sterile packed
Radial Head Plating System

The system offers a straightforward solution when the radial head is salvageable. Two lengths and two head curvatures provide options for varying patient anatomy and fracture patterns.
**Precontoured Plates**
Anatomically precontoured plates are designed for the fixation of radial head fractures.

**Strategic Screw Angles**
Converging and diverging locking screw angles are engineered to provide support and help capture fracture fragments.

**Innovative Instrumentation**
A radiolucent targeting guide is included to assist with threading the locking drill guide into the proximal locking holes.
Anatomic Radial Head Solutions expanded the comprehensiveness of the Anatomic Radial Head System by adding long stems, bringing the head and stem combinations to 290. The solution also replaced broaches with reamers for canal preparation.
**System Features**

**Long Stems Added**
Long stems were added for fractures that extend distally past the radial neck and for revision following failed radial head arthroplasty.

**Reamers Instead of Broaches**
Reamers replaced broaches for canal preparation. Reamers may allow for a larger stem diameter than broaches and may decrease risk of fracture compared to broaches.

**Anatomic Radial Head Prosthesis**
The original anatomically shaped radial head implant is designed to mimic the radiocapitellar joint contact of a native radial head, which may help avoid cartilage erosion.

**Radius Retractor Instrument**
The addition of a radius retractor is intended to facilitate reaming, trialing, and insertion of the anatomic radial head.

*The original Anatomic Radial Head System with broaches is still available upon request.*
A radial head fracture has been fixed with Acutrak 2® Mini headless compression screws, designed to minimize soft tissue irritation.

Screws in the Radial Head Plating System are designed to sit flush with the plate for minimized hardware prominence.
The curvature in the Anatomic Radial Head prosthesis is designed to mimic the native radial head.

Anatomic Radial Head Solutions includes long stems for revisions and fractures that extend distally past the radial neck.
**Fracture Type**
Salvageable Radial Head Fracture

- Acutrak 2 Mini or Micro
- Exposure and Reduction
- Guide Wire Insertion
- Determine Screw Length

- Locking Radial Head Plate
- Exposure and Reduction
- Plate Placement
- Provisional Plate Fixation
Surgical Overview

Drill Drill

Advance Self-Tapping Screw

Postoperative Protocol

Nonlocking Distal Screw Fixation

Insert Locking Screw

Final Screw Placement

Postoperative Protocol
**Fracture Type**
Nonsalvageable Radial Head Fracture

**Standard Stem**
1. Radial Head Resection
2. Determine Stem Diameter
3. Ream Collar
4. Determine Head Diameter

**Long Stem**
1. Radial Head/Neck Resection
2. Determine Stem Diameter
3. Final Resection
4. Confirm Stem Diameter
5. Determine Head Diameter
Surgical Overview

Determine Neck Height

Trial Implant Insertion

Implant Insertion

Postoperative Protocol

Trial Implant Insertion

Implant Insertion

Postoperative Protocol
References


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