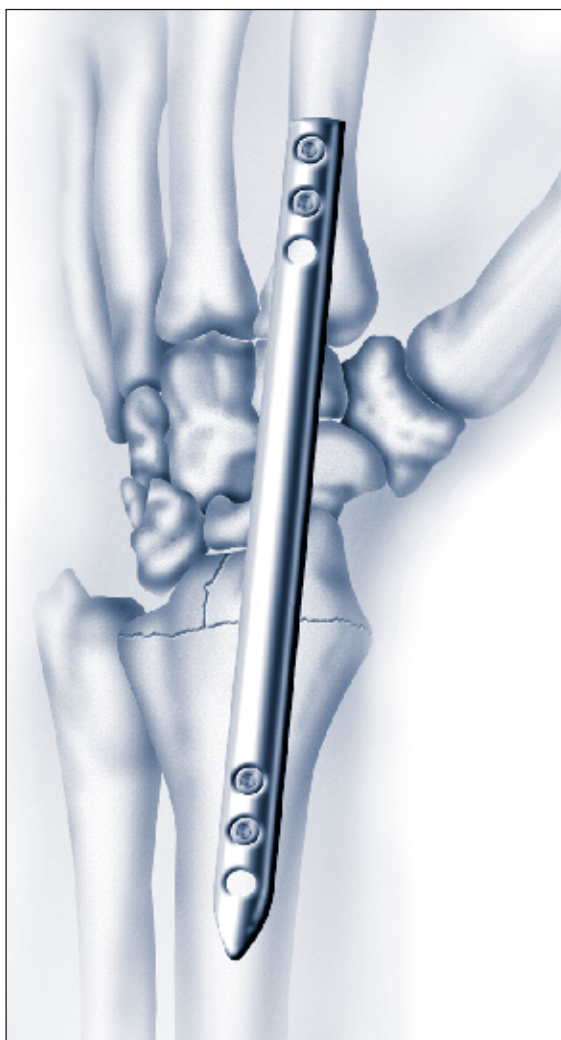


Becton™ Colles' Fracture Plate

Percutaneous Surgical Technique



An Integral Part of Biomet's Distal Radius Fracture Fixation

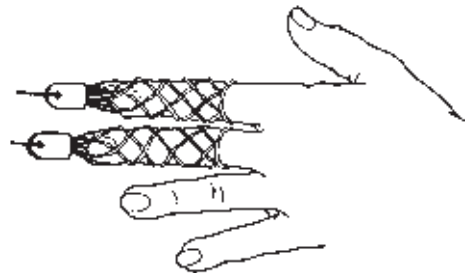
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Becton™ Colles' Fracture Plate

Percutaneous Surgical Technique

1

- Reduce distal radial fracture.
- Use finger trap traction on index and middle fingers with arm in lateral position. 7 to 10 lbs.
- Use image intensifier to check position of fracture.
- Rotate wrist to check AP and lateral views of fracture site.



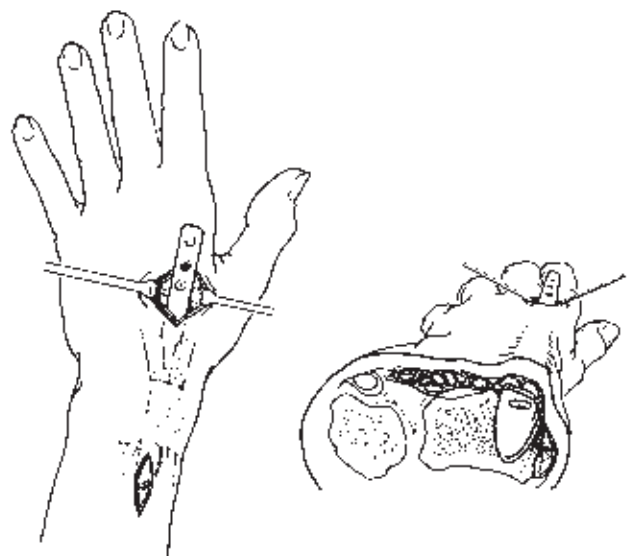
2

- Place a plate on the skin over 2nd metacarpal and radius in ideal position—check with image intensifier.
- Outline plate position on skin with marking pen.
- Make incisions over index metacarpal and radius.
- Identify and retract superficial branches of Radial n.



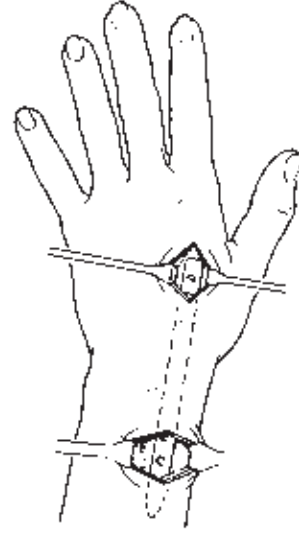
3

- Identify Extensor Carpi Radialis Longus and Brevis insertions.
- Identify Extensor Pollicis Longus tendon superficial to ECRL and ECRB.
- Pass plate beneath these tendons in 2nd dorsal tendon compartment.



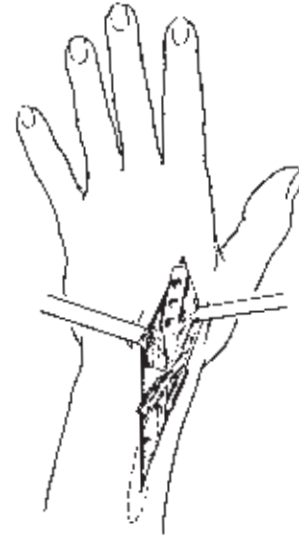
4

- Place two 3.5 or 2.7mm cortical screws in metacarpal.
- Distal screw in metacarpal first, at mid shaft level.
- Be sure the hole in dorsum of cortex is centered.
- Medial/lateral—No “wing shots.”
- Adjust plate on radius; fix with 2 or 3 screws.
- Check position on image intensifier.
- Reduce articular fragments with elevator.
- K-wires or cannulated screw in radial styloid, if needed.
- Remove plate and screws at 8 weeks post-op or when solid union is evident.



5

- If any problem develops with this technique, then open the skin between the two small incisions and open 2nd dorsal compartment; retract tendons and apply plate by open technique.
- Reduce articular fragments as necessary.

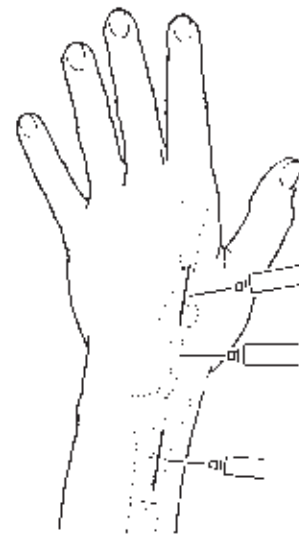


6

Plate Removal

(Remove plate and screw at 6 to 8 weeks when evidence of solid union is apparent.)

- Inject local anesthetic into area of scar over radius and metacarpal, and into sheath over the plate.
- Make incision over screw heads and remove screws.
- Extract plate from distal incision. Repair skin. Begin active motion of wrist post-op.



This brochure is presented to demonstrate the surgical technique utilized by James L. Becton, M.D., Augusta, Georgia. Biomet, as the manufacturer of this device, does not practice medicine and does not recommend this or any other surgical technique for use on a specific patient. The surgeon who performs any implant procedure is responsible for determining and using the appropriate techniques for implanting the prosthesis in each individual patient. Biomet is not responsible for selection of the appropriate surgical technique to be used for an individual patient.

Ordering Information

Colles' Fracture Plate	
Part Number	Description
191163	132mm
RD101032	152mm

2.7mm Cortical Screws (fully threaded)	
Part Number	Description
16-260206	6mm
16-260208	8mm
16-260210	10mm
16-260212	12mm
16-260214	14mm
16-260216	16mm
16-260218	18mm
16-260220	20mm
16-260222	22mm
16-260224	24mm
16-260226	26mm

3.5mm Cortical Screws (fully threaded) Self-tapping	
Part Number	Description
16-260310	10mm
16-260312	12mm
16-260314	14mm
16-260316	16mm
16-260318	18mm
16-260320	20mm
16-260322	22mm
16-260324	24mm
16-260326	26mm
16-260328	28mm
16-260332	32mm
16-260336	36mm
16-260340	40mm
16-260345	45mm
16-260350	50mm

Instrumentation

2.5mm Drill Bit quick coupling
110mm

34-463025

3.5mm Drill Bit quick coupling
110mm

35-463022

Small Screw Depth Gauge

34-513642

Hex Screwdriver 2.5mm

34-513604

**3.5mm/2.5mm Double
Drill Sleeve**

34-513510

Additional Instrumentation Available

T-Handle

34-513505

2.7mm Tap (Fits T-Handle)

34-513508

3.5mm Tap

34-513513

3.5mm Screw Cassette

595051

Instrument Storage Case

383722

Becton, James L., M.D.; Colborn, Gene L., PhD.;
and Goodrich, J. Allan, M.D.; "Use of an Internal
Fixator Device to Treat Comminuted Fractures
of the Distal Radius: Report of a Technique,"
The American Journal of Orthopedics,
pp. 619-623 1998.

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