



# Inion OTPS™ Biodegradable Pins

Procedure Pin Kit

**INION OTPS™**

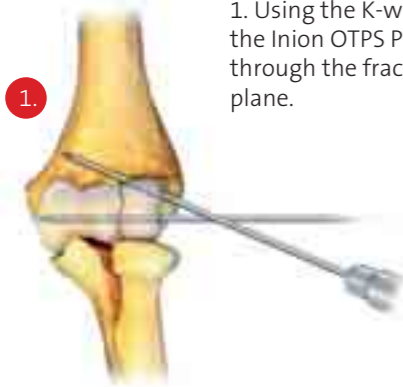
Biodegradable

Pins



# Implantation of the pin with disposable single-use instruments included in the Inion OTPS™ Pin Kit

1. Using the K-wires provided in the Inion OTPS Pin Kit, drill a hole through the fracture/osteotomy plane.



2. Insert the hooked end of the depth gauge provided in the kit into the entire depth of the drill hole. If the drill hole passes entirely through the bone, pull back on the depth gauge until the hook catches the opposite cortex. Slide the indicator down the depth gauge until it contacts the surface of the bone. Then remove the depth gauge from the drill hole taking care not to change the position of the stop.



3. Use scissors or a hot wire to cut the pin to match the distance between the hooked end and the stop of the depth gauge.



4. Insert the pin into the cannula provided in the kit.

5. Place the introducer provided into the end of the cannula until it contacts the pin.

Alternatively the pin can be introduced into the hole by hand. For this method, insert the pin gently into the hole and then place the cannula over the protruding part of the pin. Place the introducer into the cannula until it contacts the pin.

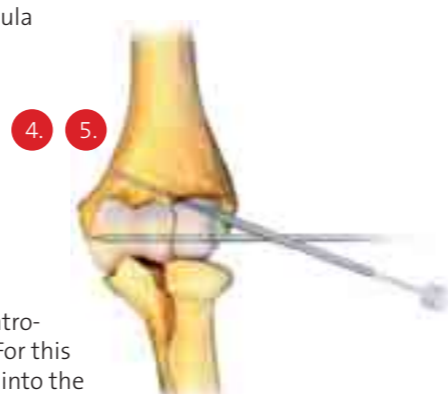
Hold the cannula and pin parallel to the long axis of the drill hole to prevent bending of the pin during insertion.

6. Tap the introducer into the cannula with a small mallet so that the entire pin is inserted fully into the drill hole. This prevents the head of the pin protruding which could cause soft tissue irritation.

When necessary, a hot wire or sors can be used to cut the pin after insertion if the pin is too long.

Two or more pins can be applied if necessary (depending on the nature and size of the fracture).

When performing arthroscopic pin fixation, use the Inion OTPS THROSCOPIC instruments.



## Radial Head Fracture Fixation with Inion Pins

For radial head fractures that are not too badly displaced and not too badly comminuted, fixation is simply done with 2,0mm and/or 1,5mm biodegradable Inion Pins.

Approach the radial head through the lateral Kocher-Langenback incision. Rotate the forearm and palpate the radial head to determine the best location for the 10 cm curvilinear incision. Develop the plane sharply to the radial head. The joint capsule is opened and the capsular incision carried distally to expose the annular ligament. Verify that it is intact and not displacing or interposed in the fracture. The fracture plane is visualized by rotating the arm into full pronation.

Next reduce the fracture. Sometimes it will need to be disimpacted with a small osteotome. The reduction is held with a small bone forceps with points or a towel clip. Use the 1,5mm or 2,0mm guide wires for biodegradable pins for temporary fixation. The pins are placed from the edge of the radial head obliquely into the shaft.

Final fixation is then performed by substituting the biodegradable pins for the K-wires. Since the fracture and the place where the pin enters the bone is under visualization the direct pin pusher is used. After the pins are placed rotate the forearm to be sure that the pins tips are flush and rotation is smooth. Repair the soft tissues in layers and place the patient in a splint. Short arc range of motion of the elbow can be started after several days.



## Inion OTPS™ Pin – user profile

"Inion biodegradable pins work great in my practice. They are easier to handle than ones I used in the past, maintain fracture reduction and have not caused any tissue reactions to date."

Dr. Prof. David SELIGSON  
Louisville Univ. Hospital, USA

# Unique OTPS™ Procedure Pin Kit

## Unique Procedure Pin Kit:

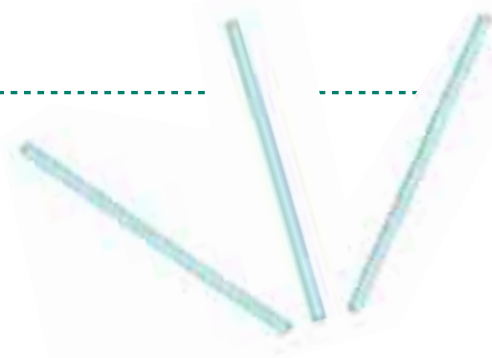
- + Saves time
- + Saves space
- + Saves money
- + Both 1.5 mm and 2.0 mm Pin sizes available as Pin Kit

### PCK-7001 Inion OTPS 1.5 Pin Kit

### PCK-7002 Inion OTPS 2.0 Pin Kit

**1x** Pin 1.5 mm 3- pack

**1x** Pin 2.0 mm 3- pack



**1x** Cannula and Introducer 1.5

**1x** Cannula and Introducer 2.0



**2x** K-Wire 1.5 mm

**2x** K-Wire 2.0



**1x** Depth Gauge

**1x** Depth Gauge



"OUR MISSION IS TO CREATE SAFE, INNOVATIVE AND EFFICIENT SURGICAL SOLUTIONS THAT ENSURE EXCELLENT SURGICAL CARE."



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