# INCA™

## SCAPHO-TRAPEZIO-TRAPEZOÏD IMPLANT



SURGICAL TECHNIQUE

lépine
Depuis 1714

# SUMMARY
# STT INCA™


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**Warning:** These surgical instructions are intended for healthcare professionals only and do not constitute medical advice. Please consult IFU for important information related to these products, in particular but not limited to contraindications, warnings, precautions for use and adverse effects.


CE

**groupe lépine**

**Implants** inscrits à la liste des Produits et Prestations Remboursables (LPPR).

# DESIGN AND FEATURES

## STT INCA™ IMPLANT

The **INCA**™ implant is a solution for the treatment of osteoarthritis of the scapho-trapezio-trapezoid (STT) joint.

Its bi-convex (condylar) surface adapts to the concave facet joints of the trapezium and trapezoid.

Its anchoring stem provides good anchorage in the scaphoid.

### Implants ranges



**INCA**

Sizes 14/10 and 16/11



**INCA +***

Sizes 14/10* and 16/11*

*These references are only available on special request.




### Features

- The STT INCA™ implant is made of a Chromium, Cobalt and Molybdenum-based alloy.
- The anchoring stem:
  - ensures its primary stability and
  - allows a cementless fixation via a bilayer coating of porous titanium and hydroxyapatite.
- Its articular surface is polished and anatomical.
- It is sterilized by Gamma irradiation.

# INDICATION & CONTRAINDICATIONS

## STT INCA™ IMPLANT

**Indication:**

- The isoled arthrosis of the STT joint

**Contraindications:**

- Local or distant infection,
- Metabolic bone disorders,
- Vascular, neurological or muscular diseases,
- Osseous destruction or poor bone quality that is likely to affect implant stability,
- Signifiant osseous tumor,
- Known allergy to one of the implant components.

# CLINICAL CASE



**Preoperative**



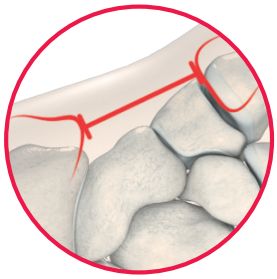
**Post-operative**

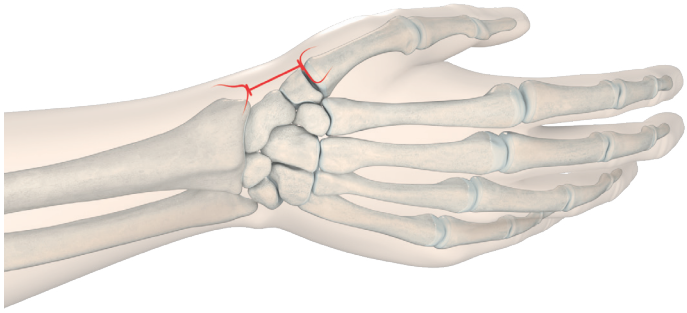
# SURGICAL TECHNIQUE

## Surgical approach

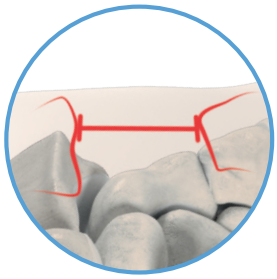
### LATERAL APPROACH

- The lateral approach is centered on the scapho-trapezium line between the tip of the radial styloid and the base of the 1st metacarpal.

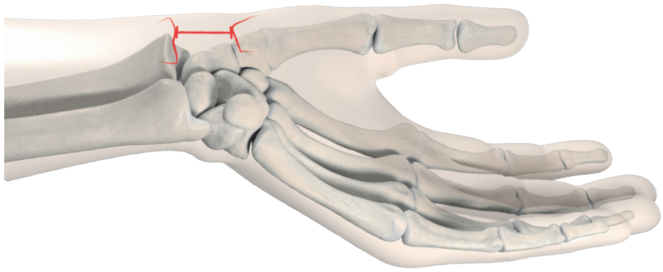




### PALMAR APPROACH

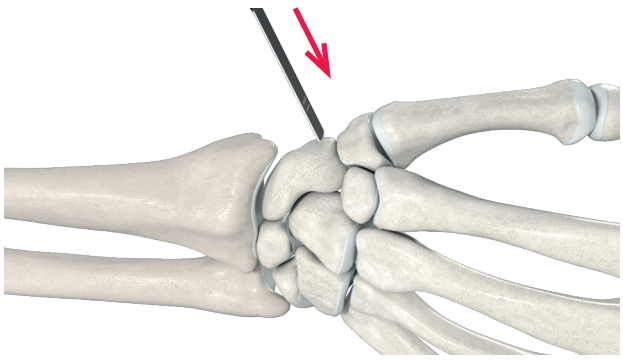


- The palmar approach is centered on the wrist flexion fold.



## Scaphoid preparation

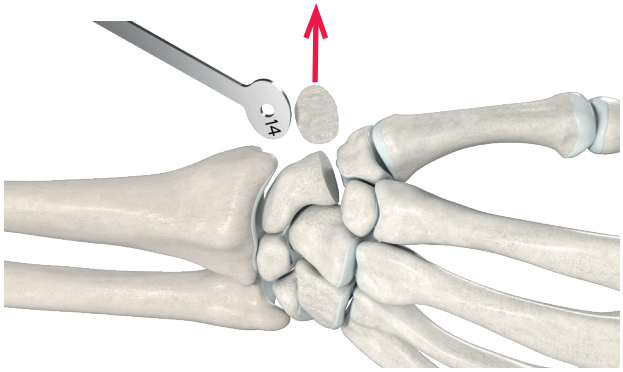
- Resection of the distal pole of the scaphoid (approx. 4 mm) parallel to the STT joint line.



- Remove the cut bone.
- Evaluate the size of this removed part using the gauge (MIAGT001) to determine the implant size required (14/10 or 16/11).

**IMPORTANT**

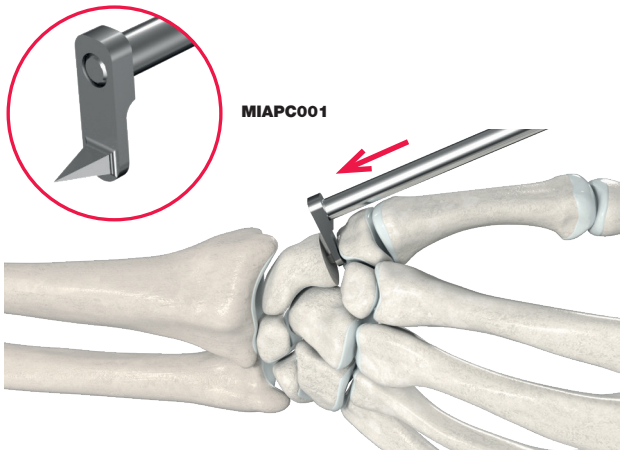
If the measurement of the resected bone portion implant is between the two sizes of the gauge, choose the smaller size.
Do not oversize the implant.




- Using the shifted peak (MIAPC001), locate the entry point of the rasp to prepare the passage for the anchoring stem.

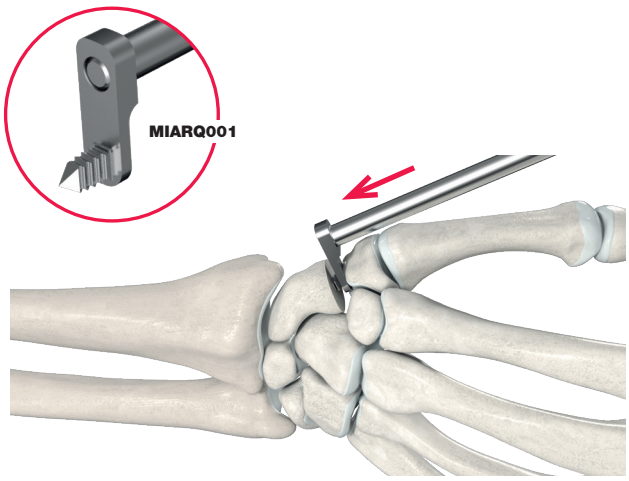
**IMPORTANT**

The entry point is at the center of the cut.



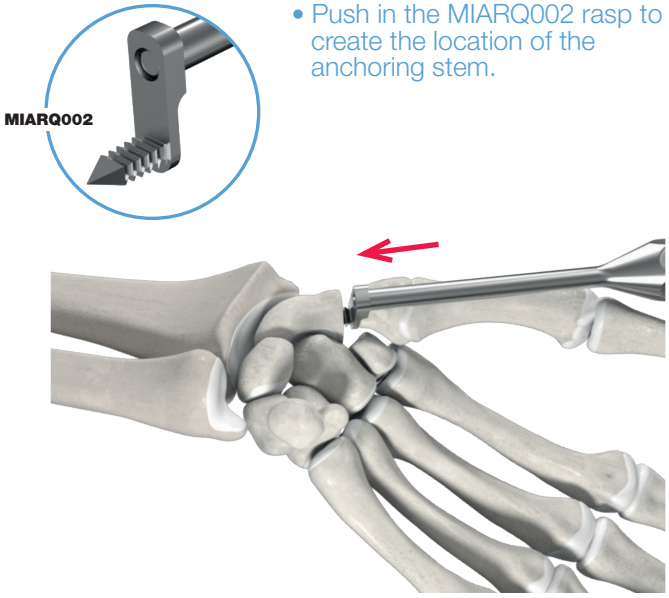

## LATERAL APPROACH

- Push in the MIARQ001 rasp to create the location of the anchoring stem.



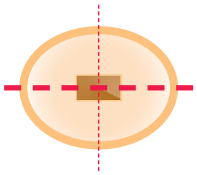

## PALMAR APPROACH

- Push in the MIARQ002 rasp to create the location of the anchoring stem.




**IMPORTANT**

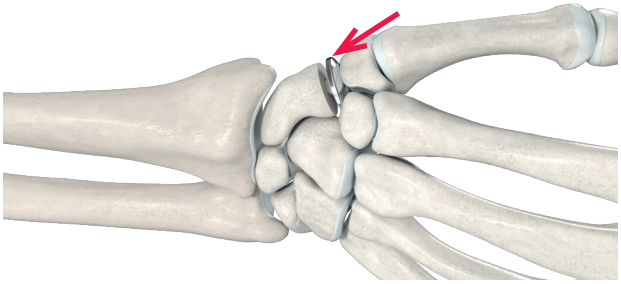
The large axis of the anchoring stem is parallel to the large diameter of the cut.

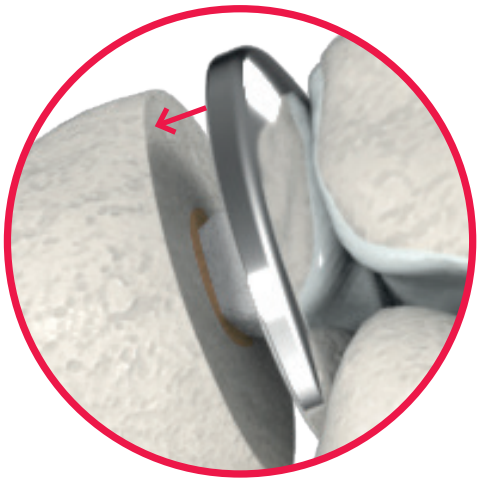


## Implantation

- Position the implant determined by the initial measurement by placing the anchoring stem in the hole formed in the scaphoid.

  To perform this positioning, «open» the STT joint space by tilting the wrist ulnarly, and pull the thumb column distally.



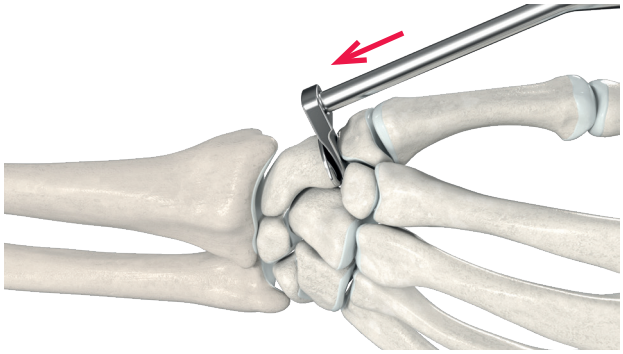


- Insert the anchoring stem into the hole, «closing» the STT joint space.

- Impact the implant using the impactor (MIAID001).



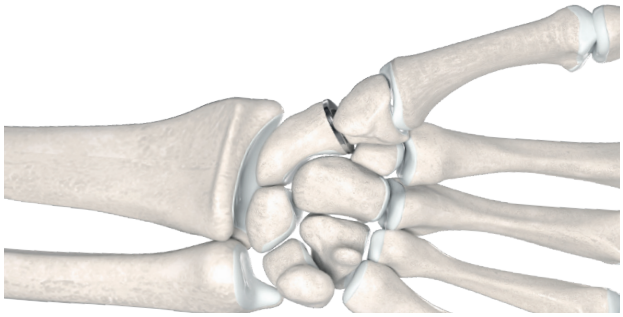
MIAID001



## Closure and follow-up

- Close the capsular flap.





- Immobilize the wrist for 6 weeks.

## Removal

Use an osteotome to remove the implant if necessary.

# INCA™

## SCAPHO-TRAPEZIO-TRAPEZOÏD RESURFACING IMPLANT



**STT INCA™**

| DESIGNATION | REF |
|---|---|
| STT INCA 14/10 | MIIHC014 |
| STT INCA 16/11 | MIIHC016 |



**STT INCA+™**

| DESIGNATION | REF |
|---|---|
| STT INCA+ 14/10 | MIIHC114* |
| STT INCA+ 16/11 | MIIHC116* |

*These references are only available on special request.

# INSTRUMENTATION

## TO STERILIZE

**INCA™ Instrumentation**

| DESIGNATION | REF |
|---|---|
| INCA STT GAUGE | MIAGT001 |
| INCA STT IMPACTOR | MIAID001 |
| INCA STT SHIFTED PEAK | MIAPC001 |
| INCA STT RASP | MIARQ001 |
| INCA STT RASP | MIARQ002 |

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