

CADENCE[◇]

Total Ankle Replacement System

Removal Surgical Technique



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Nota Bene

The following technique is for informational and educational purposes only. It is not intended to serve as medical advice. It is the responsibility of treating physicians to determine and utilize the appropriate products and techniques according to their own clinical judgment for each of their patients. For more information on the product, including its indications for use, contraindications, and product safety information, please refer to the product's label and the Instructions for Use packaged with the product.

Prior to performing this technique, please consult the Instructions for Use documentation provided with each device for additional health and safety information, including indications, contraindications, warnings and precautions.

Implant Description

Each implanted CADENCE Total Ankle Replacement System construct consists of three components:

- Tibial Tray
- Poly Insert
- Talar Dome (one of two variations, chamfer cut or flat cut)

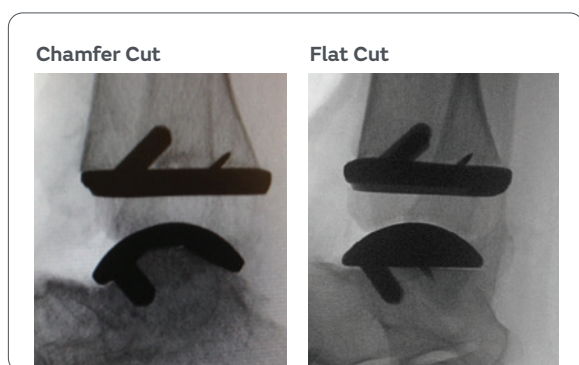


Figure 1

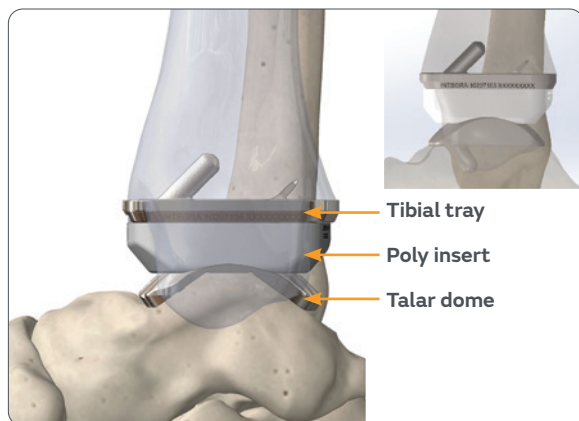


Figure 2 - Flat Cut

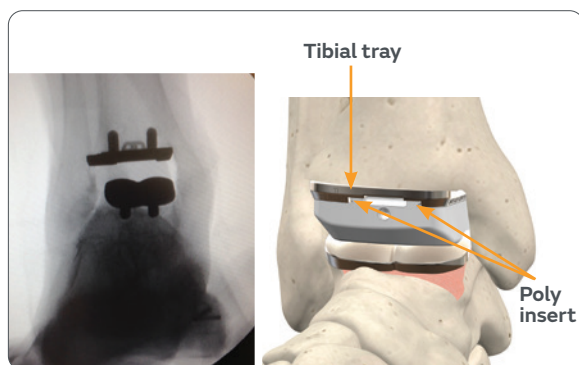


Figure 3

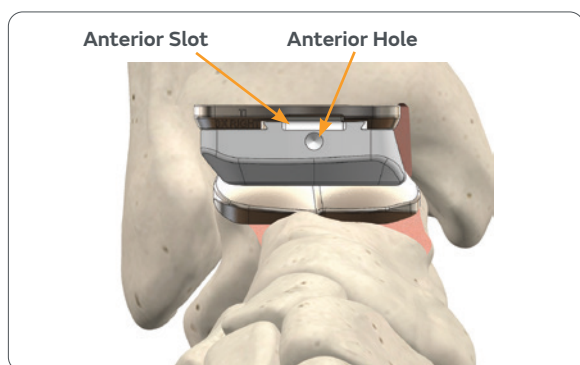


Figure 4

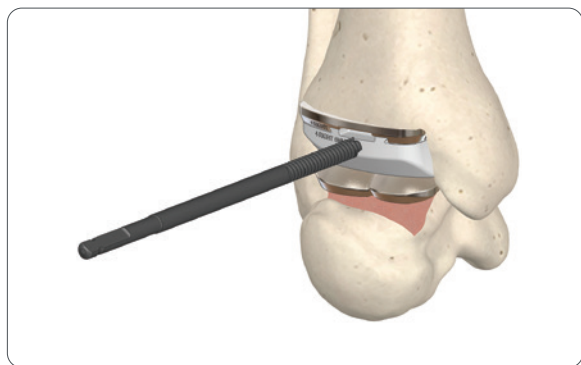


Figure 5

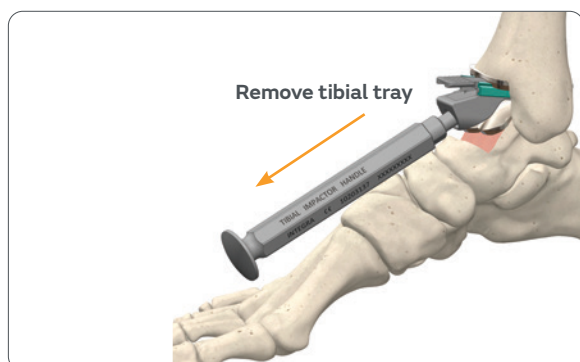


Figure 6

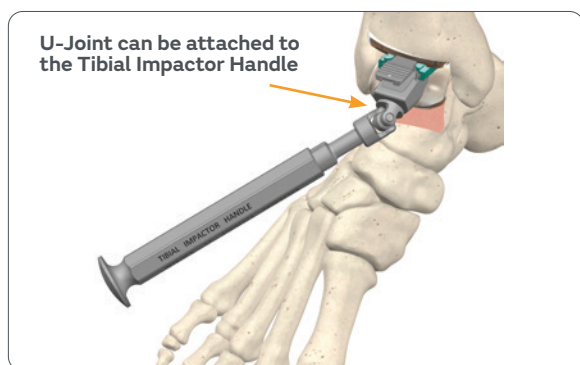


Figure 7

Implant Removal

The following techniques may be used to remove specific implant components (Insert, Talar Dome, or Tibial Tray) of the CADENCE[®] Total Ankle Replacement System.

Use any power (i.e. sagittal saw, reciprocating saw) and general instruments (i.e. osteotomes, rongeurs) necessary around implanted components to loosen bone-cement interface and/or facilitate removal.

Insert removal

The insert may be removed through one of two ways: Place an osteotome into the anterior slot on the Insert and twist to separate the insert from the tray.

(Figure 4)

Thread the 5.0mm DIA Bone Pin into the anterior hole of the Insert. Attach the Screwdriver Handle to the 5.0mm DIA Bone Pin, then pull straight back to remove the Insert. (Figure 5)

WARNING: When the 5.0mm DIA Bone Pin is threaded into the Insert, do not lever the Bone Pin during Insert removal. Levering the Bone Pin during this step may cause damage or breakage to the instrument.

Tibial tray removal

Thread the Tibial Impactor Handle into the green-tipped Tibial Impactor Tip. Slide the dovetail feature of the green-tipped Tibial Impactor Tip into the dovetail of the Tibial Tray implant until it “clicks” and engages the Tibial Tray. (Figure 6)

Pull the Tibial Impactor Handle to remove the implant. (Figure 7)

TIP: A U-joint may be attached to the Tibial Impactor Handle for improved access during extraction

WARNING: Do not use the Slap Hammer for extraction of the tibial tray; using the Slap Hammer may result in damaged instrumentation and delayed removal of components.

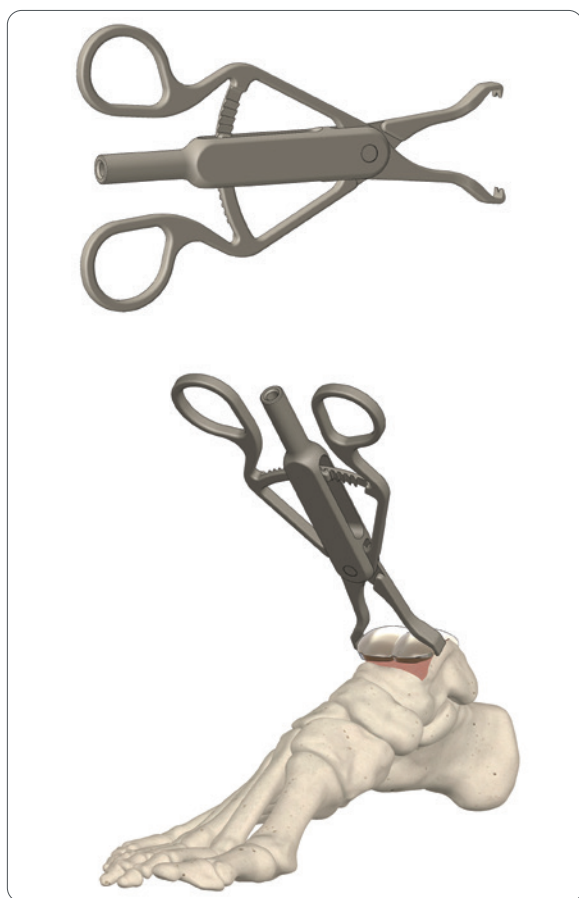


Figure 8

Talar Dome Removal: Chamfer Cut Talus

Using the Talar Implant Extractor, grasp the Talar Dome Implant along the medial-lateral edges. Once the Talar Dome implant is engaged on to the Talar Implant Extractor, pull the Talar Implant Extractor away from the implant site. **(Figure 8)**

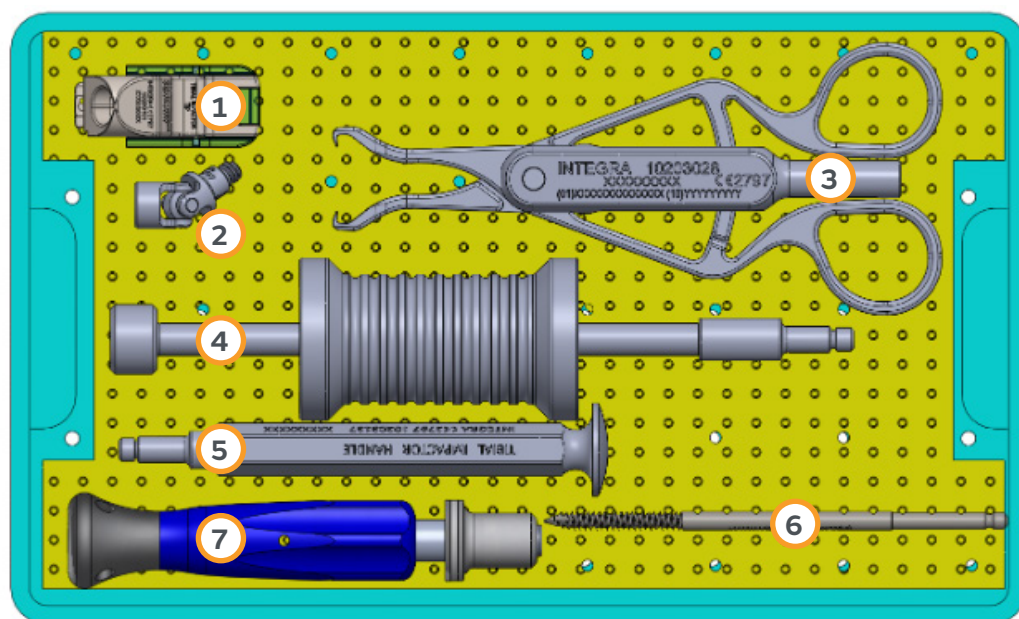
TIP: The Slap Hammer may also be used during removal of the Talar Dome.

Thread the rod end of the Slap Hammer into the Talar Implant Extractor. Impact the Slap Hammer until the Talar implant becomes dislodged.

Talar Dome Removal: Flat Cut Talus

The Talar Dome may be separated from the talus using an osteotome or other general surgical instruments.

CADENCE[◇] Removal Kit



Item	Description	Reference
1	Tibial Impactor Tip	10203101
2	U-Joint	10203196
3	Talar Implant Extractor	10203028
4	Slap Hammer	10203194
5	Tibial Impactor Handle	10203137
6	5.0mm DIA Bone Pin	10204191
7	Screwdriver Handle	10204145

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39963-emea V1 02/24

