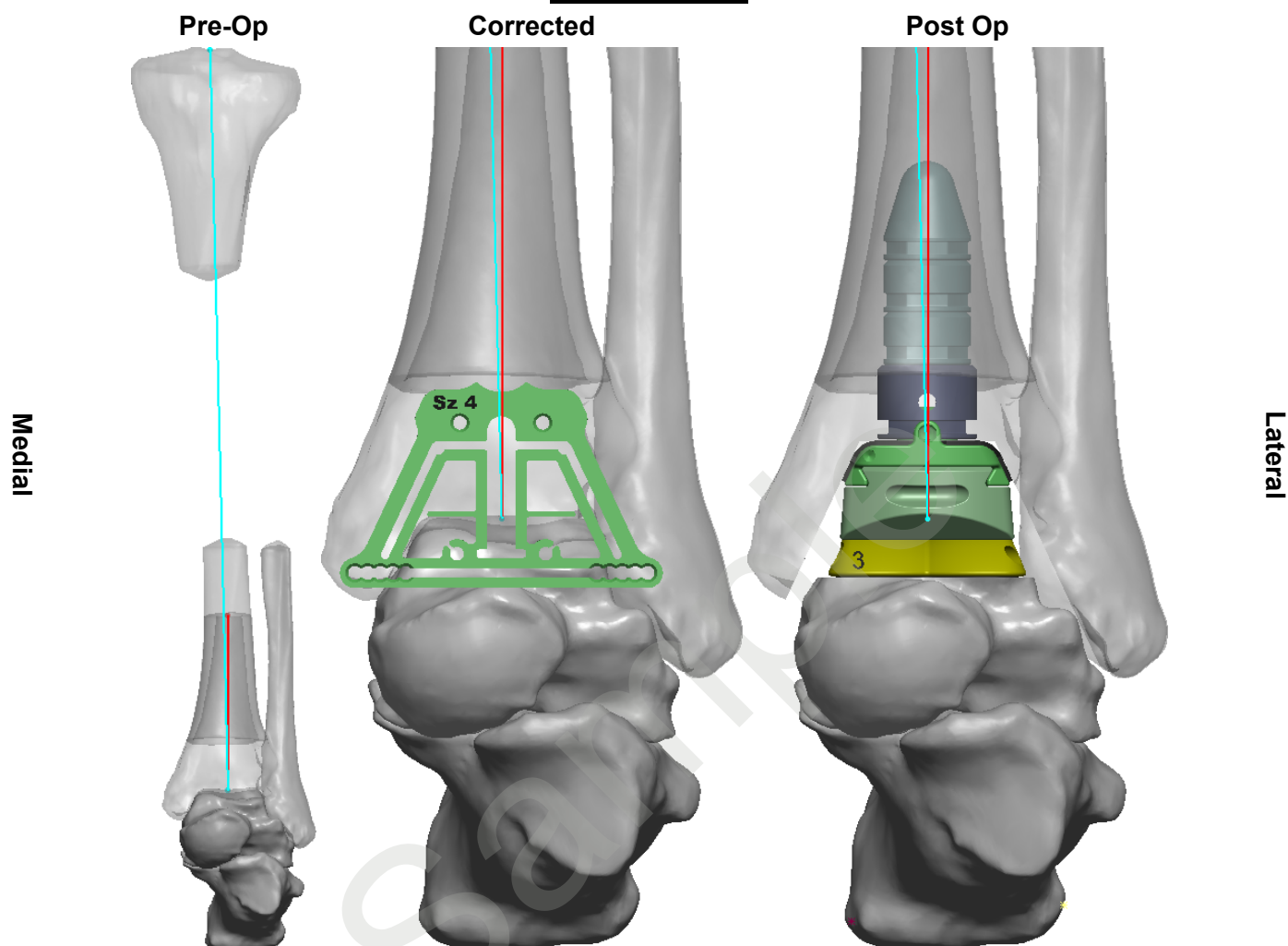


CASE#### - Surgeon: I L. Training

Fancy Foot 2.0 Inbone - Left - Surgery: 05-Apr-2022

Inbone® II Size 4 Long Tibia & Size 3 Talus

Anterior Views

— Tibia Mechanical Axis
 — Tibia Anatomic axis

Axis Angles
Anatomic vs. Mechanical
 Coronal = 1.4°

Tibia Implant Alignment

- Coronal Plane: **Anatomic Axis**
- Sagittal Plane: **Anatomic Axis**

Medial/Lateral placement is set:

- to Bisect gutters
- to ensure the stem implants fall within the tibial canal
- Medial malleolus at implant corner: 11.4 mm.

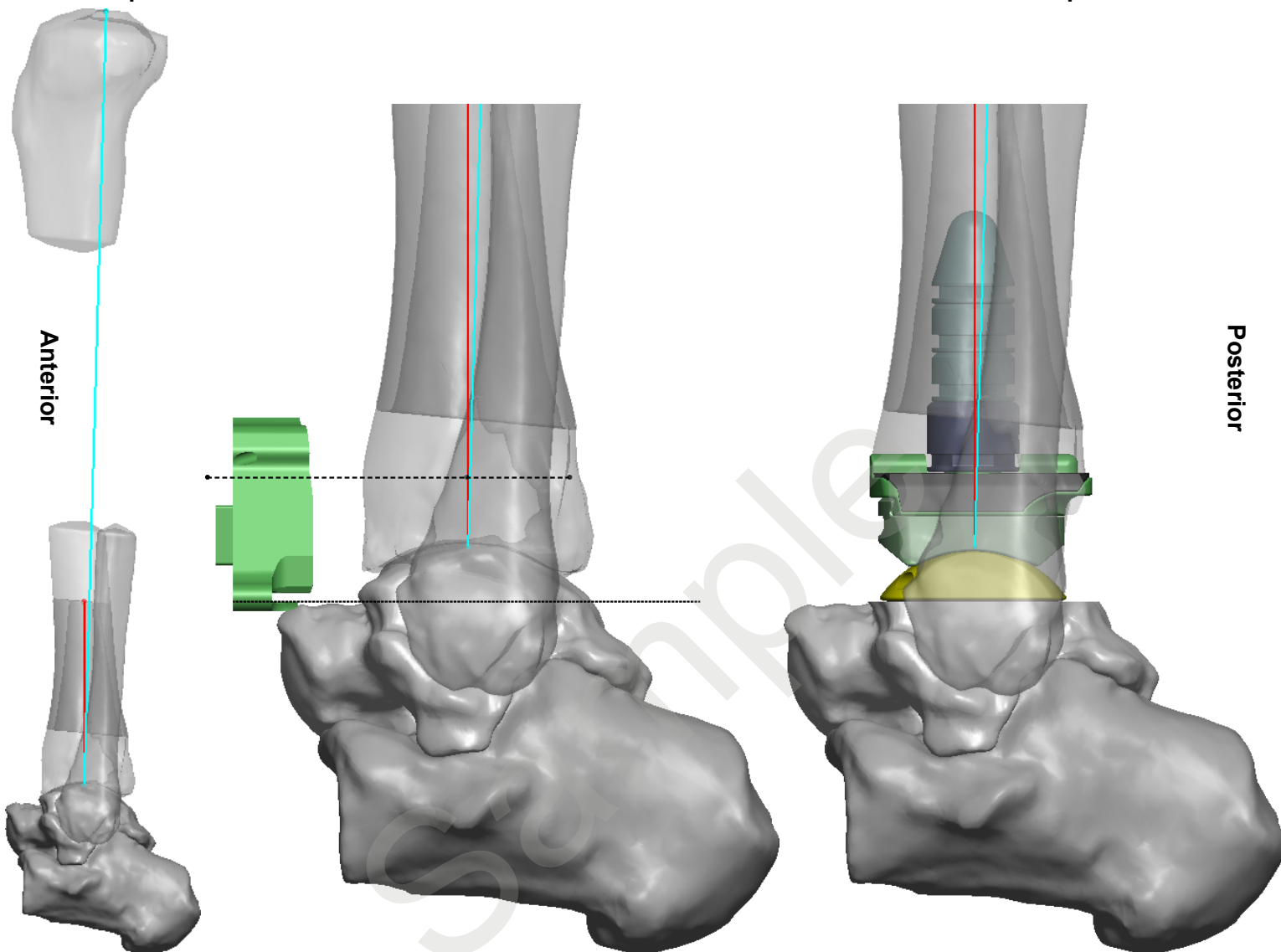
Notes:

N/A

Inbone® II Size 4 Long Tibia and Size 3 Talus**Sagittal Views from Lateral Side****Pre-Op****Corrected****Post Op**

Anterior

Posterior



— Tibia Mechanical Axis
— Tibia Anatomic axis
•••• Resection Planes

Axis Angles
Anatomic vs. Mechanical
Sagittal = 1.6°

Implant Information

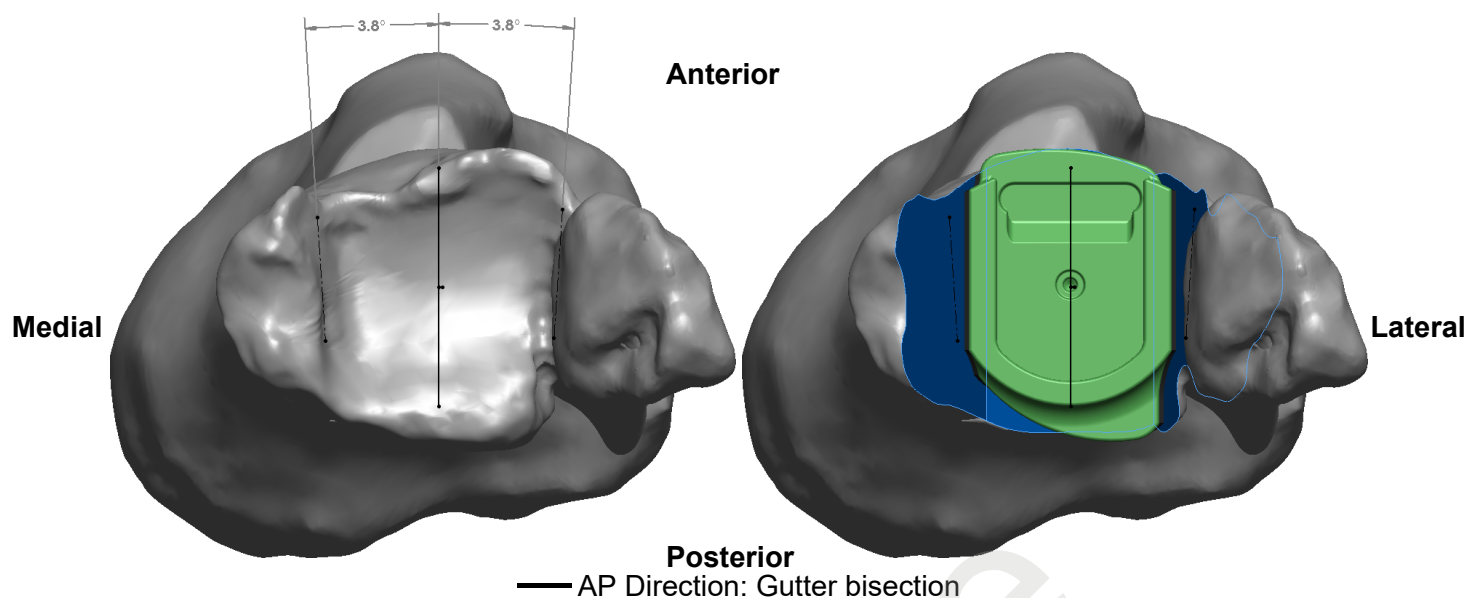
Tibial tray: Sz 4 Long (220252904)
Tibial insert: Sz 3 Plus (220224310E)
Stem Components:
Top: 16 mm (200011902)
Middle: 16 mm (200010902)
Middle: 16 mm (200010902)
Base: 18 mm (200009902)

Talar dome: Sz 3 (220220903)
Stem: 10 mm

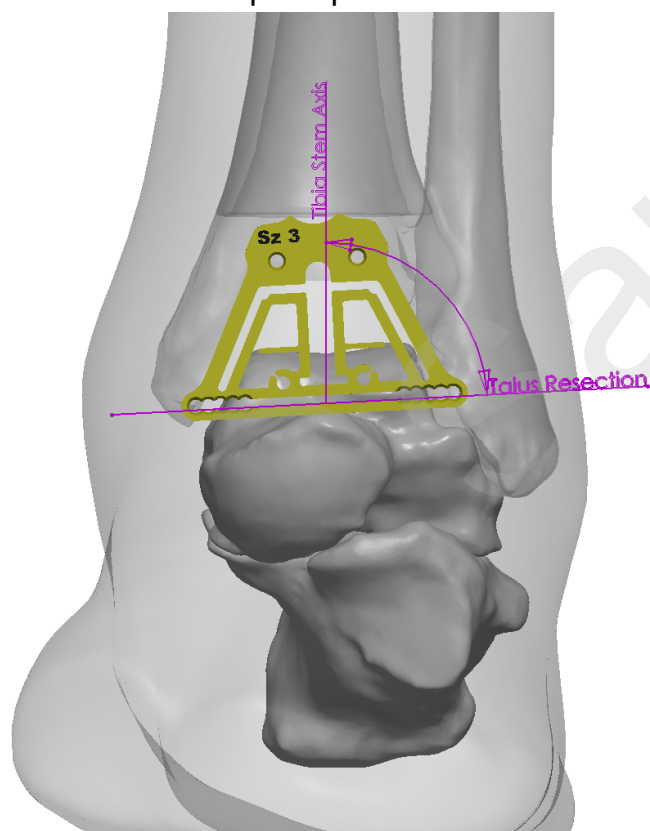
Prophecy® Part Number: PROPINB

Notes:
N/A

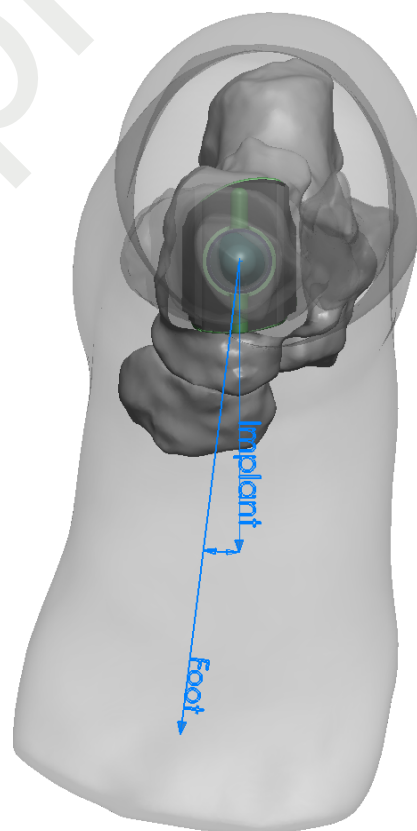
Inbone® II Size 4 Long Tibia and Size 3 Talus Tibia Rotation Distal Views



- Tibia gutter angle: 7.5°.
- A-P Tibia implant placement: Anterior edge.



Talus resection guide relative to the talar bone and the planned tibia alignment axis. The resections will result in a correction of 3.1° from valgus.



The tibia internal/external orientation is 7.1° external to the approximate foot orientation.

Notes:

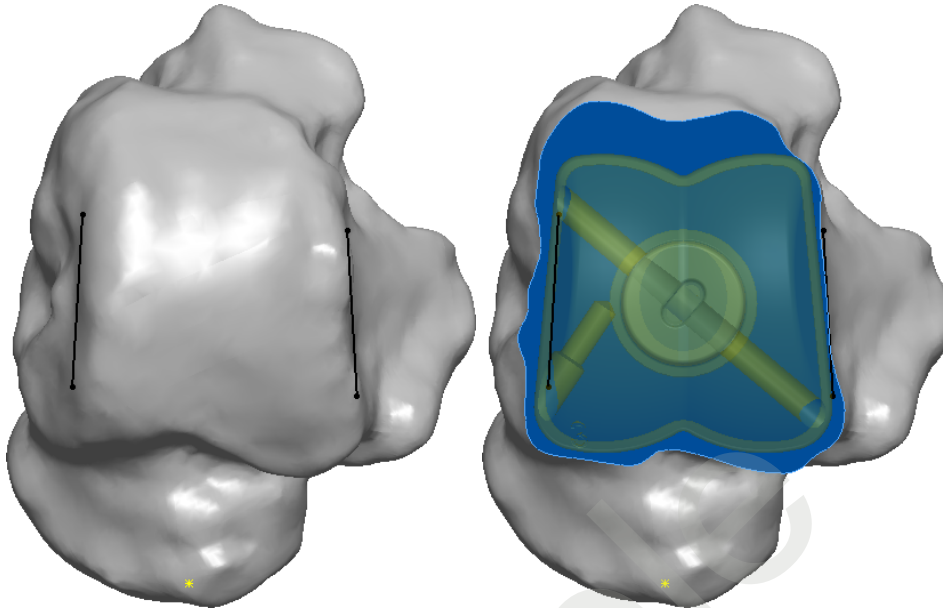
N/A

Inbone® II Size 4 Long Tibia and Size 3 Talus Talus Rotation Top Views

AP Direction: Gutter bisection

Medial

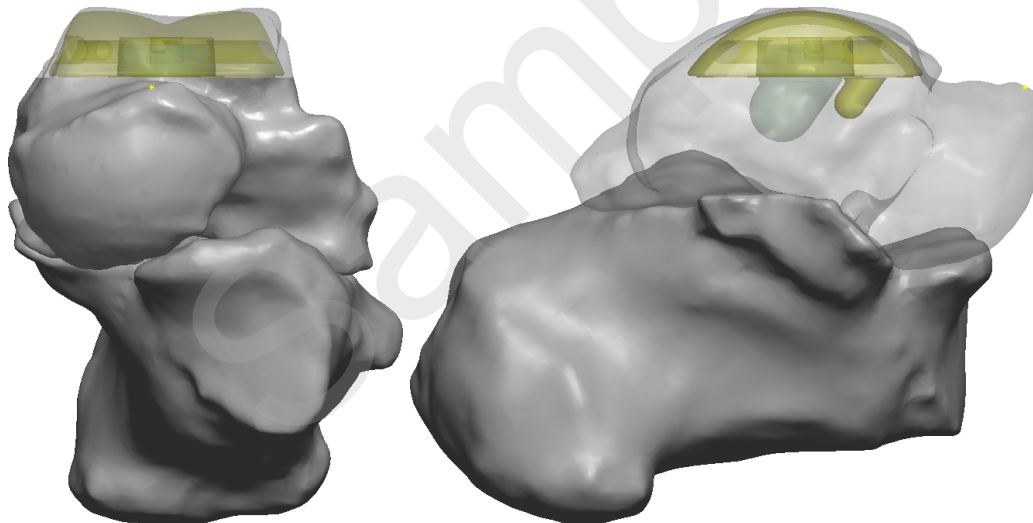
Lateral



Medial

Lateral Posterior

Anterior



Anterior view

Medial View

Notes:

- Talus resection angle in Coronal Plane: **parallel to the natural talar dome**.
- The talus implant is selected to maximize bone coverage while minimizing implant overhang.
- Talar Gutter angle: 6.8°. Talus anterior direction: **Gutter bisection**.
- The resection depth is set to **0.5 mm** more than the thickness of the talar implant.
- The distal flat of the talar implant is **1.5 mm** proximal to the yellow talar neck point shown above.
- The 10mm talar stem is within **7.5 mm** of the inferior surface of the talus.

Summary

Tibial Alignment Method

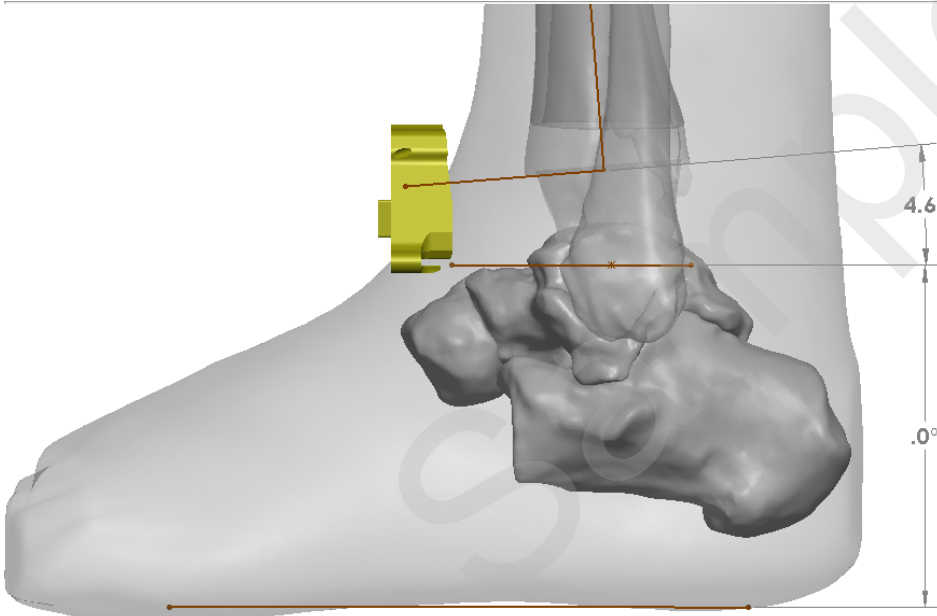
- Tibia Implant Alignment in Coronal Plane: Anatomic Axis.
- Tibia Implant Alignment in Sagittal Plane: Anatomic Axis.
- Anterior direction is set by the Gutter bisection.
- Medial/lateral implant placement:
 - Bisect gutters.
 - The cuts on the medial malleolus and fibula are minimized.
 - ML Tibial coverage.
- Anterior/Posterior implant placement: Anterior edge

Talar Alignment Method

- Talus implant flexion is set to: Parallel to the bottom of the foot.
- Talus implant is selected to maximize bone coverage while minimizing implant overhang.
- Anterior direction is set by Gutter bisection.
- Resection depth: 0.5 mm more than the thickness of the talar implant.

Prophecy Engineering Comments

N/A

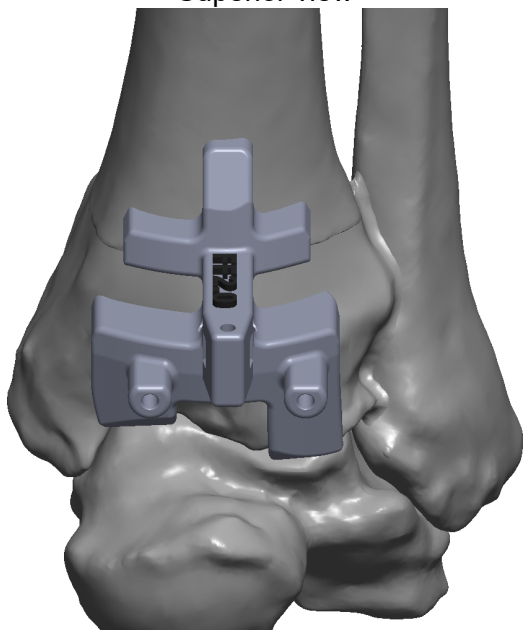


Sagittal view of pre-op talus showing:

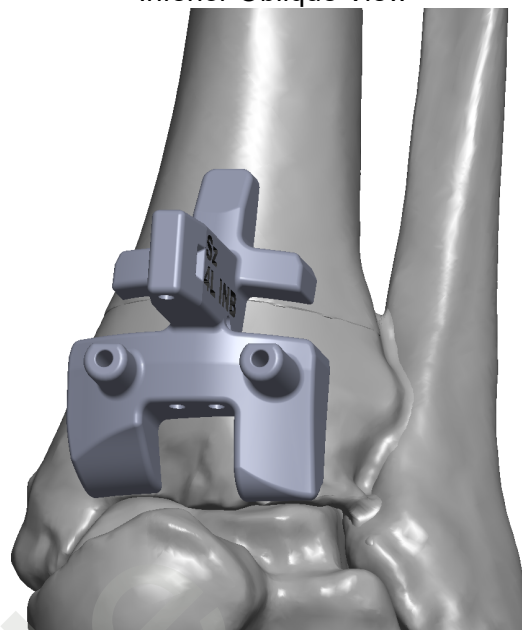
- Talus resection vs. tibia resection.
- Talus resection vs. bottom of foot line.

Tibial Alignment Guide

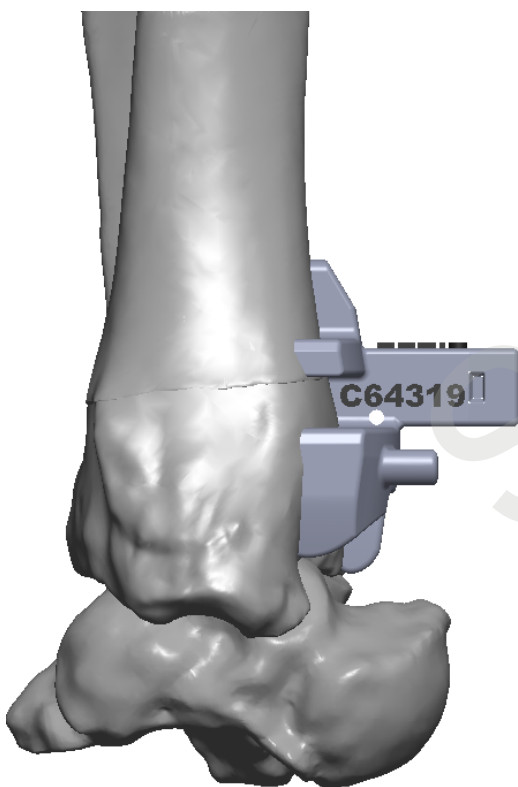
Superior view



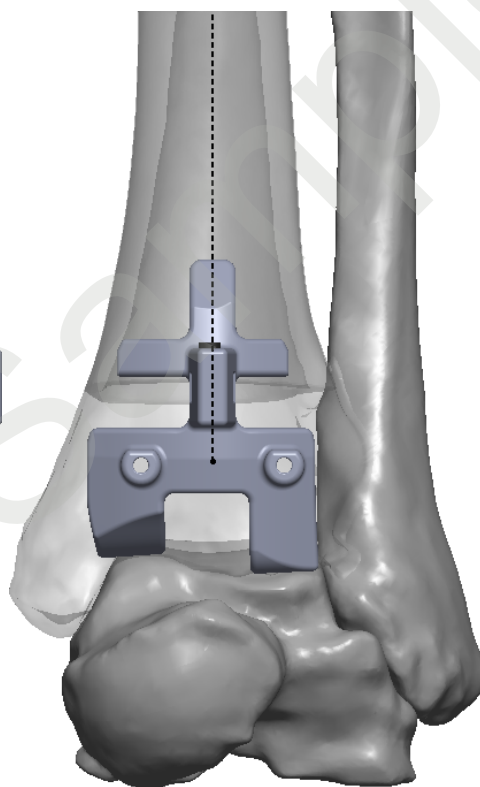
Inferior Oblique View



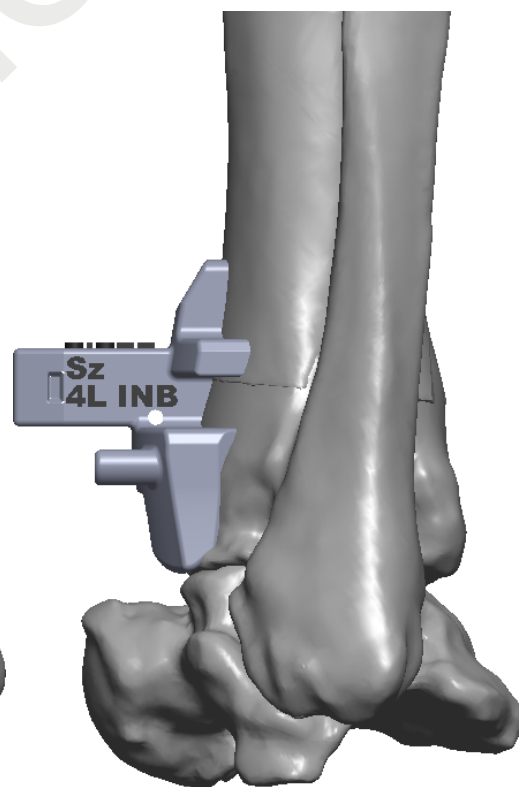
Medial view



Anterior View



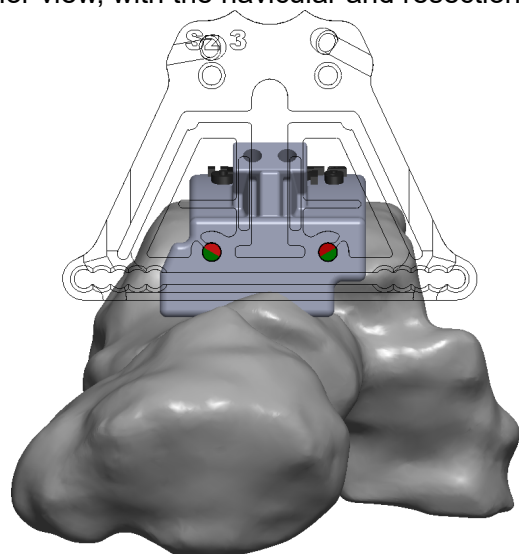
Lateral View



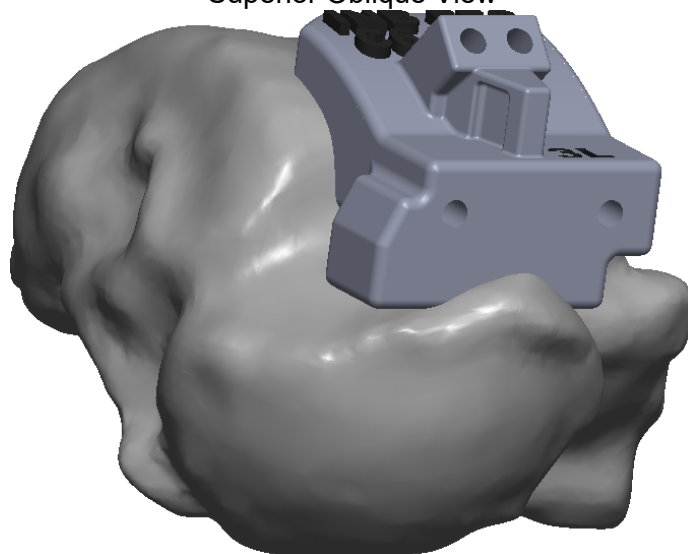
Tibia Guide Comments:
N/A

Talar Alignment Guide

Anterior view, with the navicular and resection guide



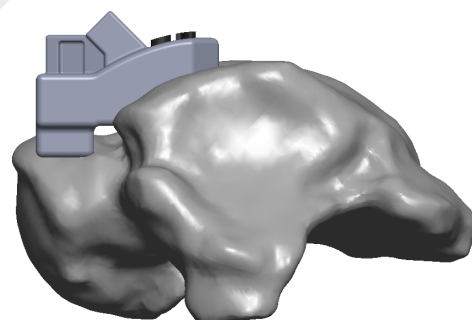
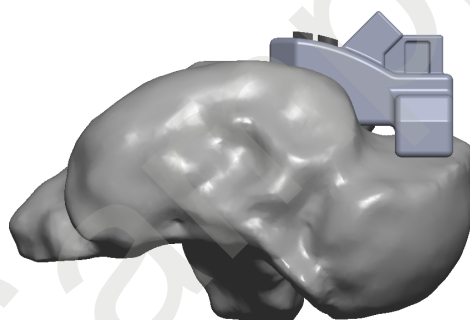
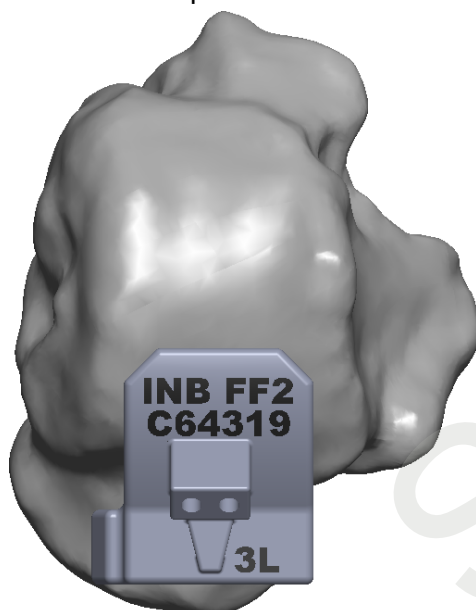
Superior Oblique View



Superior view

Medial View

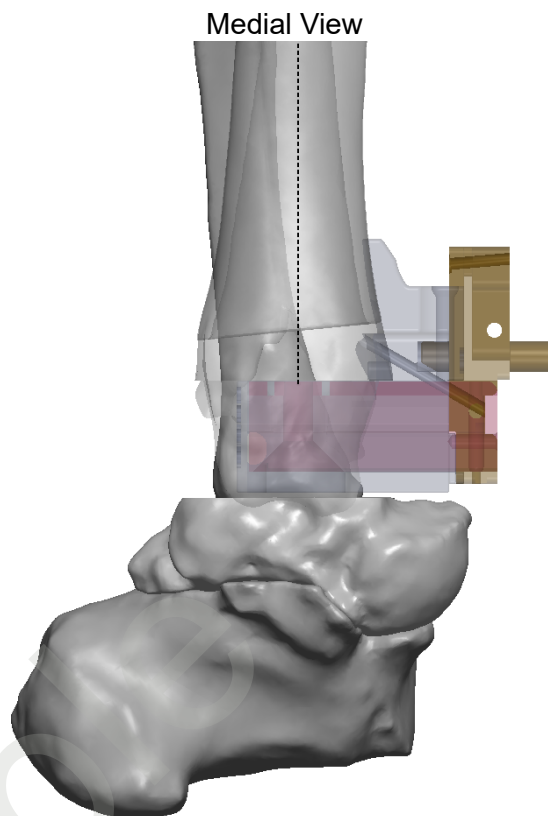
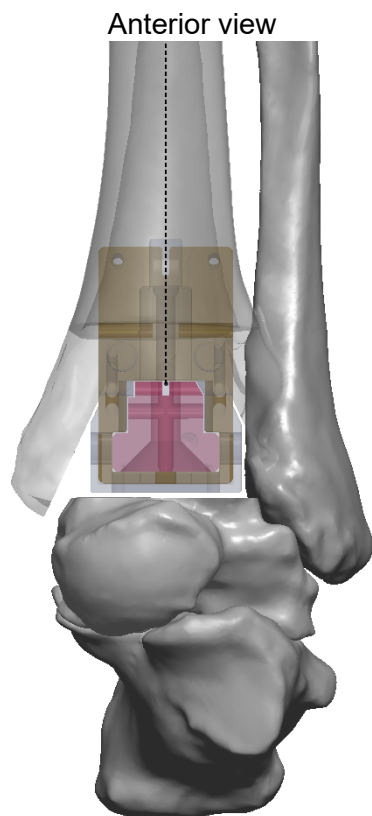
Lateral View



Talus Guide Comments:

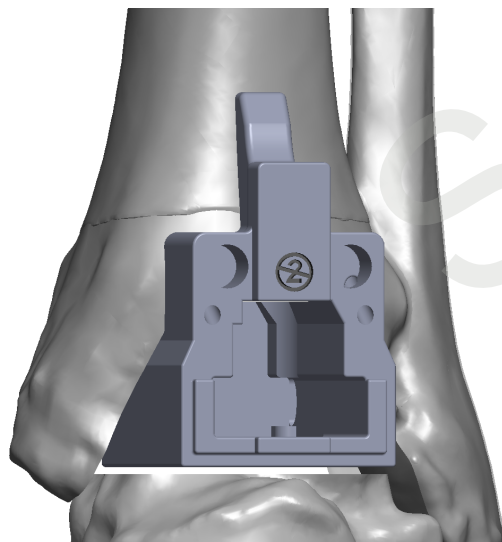
- Talar guide designed for use with: [size 3 resection guide](#).

Tibial Stem Alignment Guide

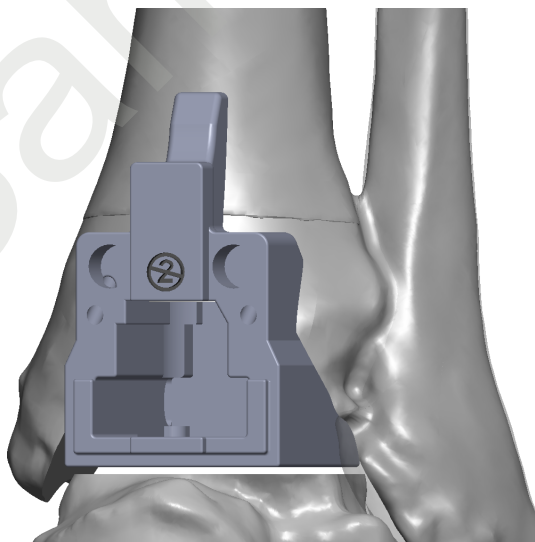


•••• Tibia Stem Axis

Medial Oblique view



Lateral Oblique View

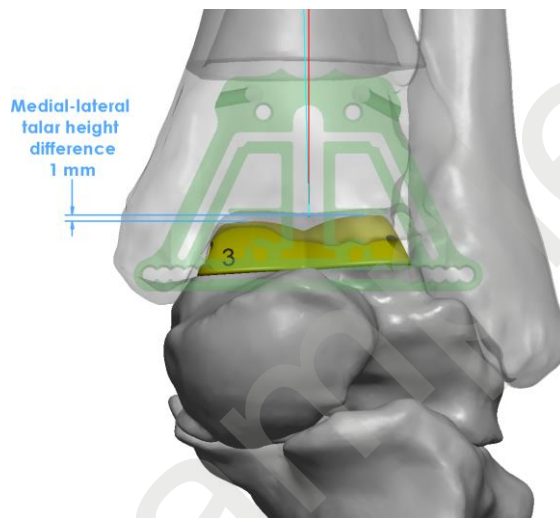
Part Identification
Posterior View

Stem Guide Comments:

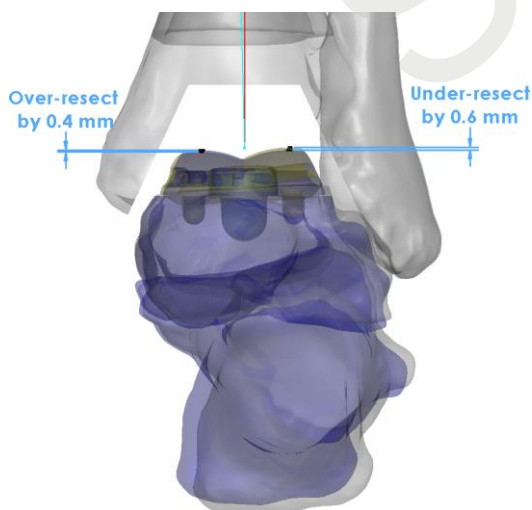
N/A

CASE64319 - APPENDIX: Total Resection Height

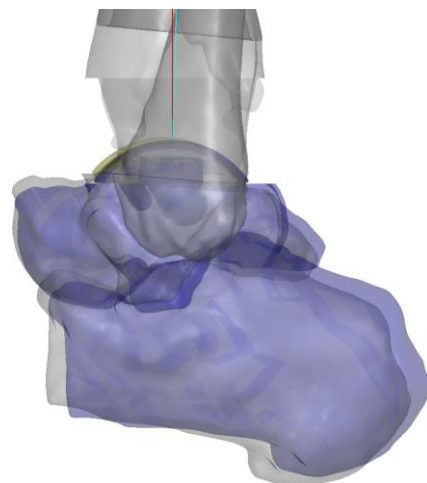
- Setting the total joint resection height is subject to coronal and sagittal deformities, unknown ligament status, and intraoperative joint balancing procedures.
- The total resection height relative to the standard implants on medial and lateral side is specified below. “Over-resecting” suggests the joint could have residual laxity with the thinnest poly, while “under resecting” may result in tightness after initial implantation. Ligament balancing procedures may be required to obtain a balanced ankle.
- The “corrected” hindfoot is highlighted blue in the images below.
- See page 3 and 4 for the talus resection angle and depth.



Pre-op medial-lateral talar height difference: 1 mm



The swing of the talus & overall resection height (relative to standard implant height). The "corrected" talus is highlighted.

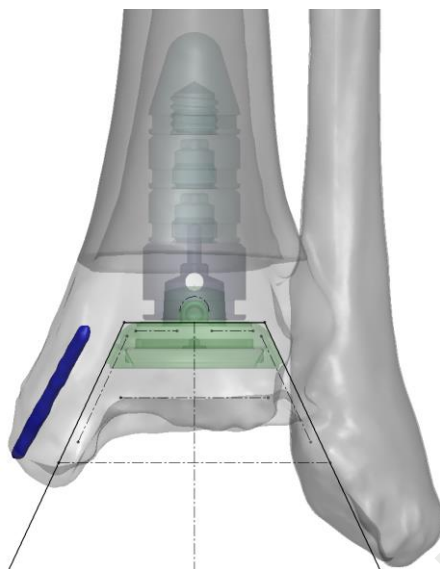
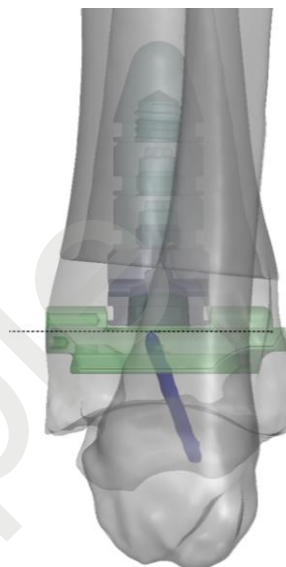
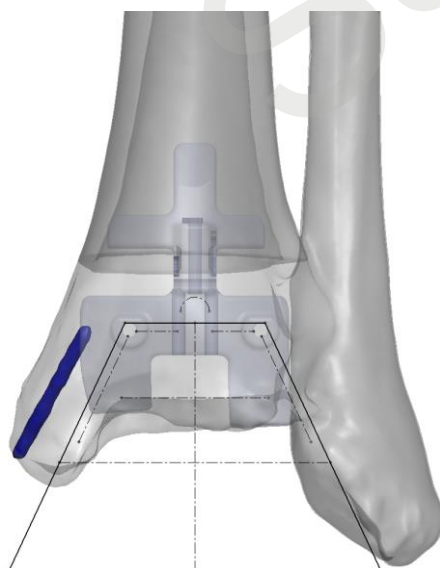
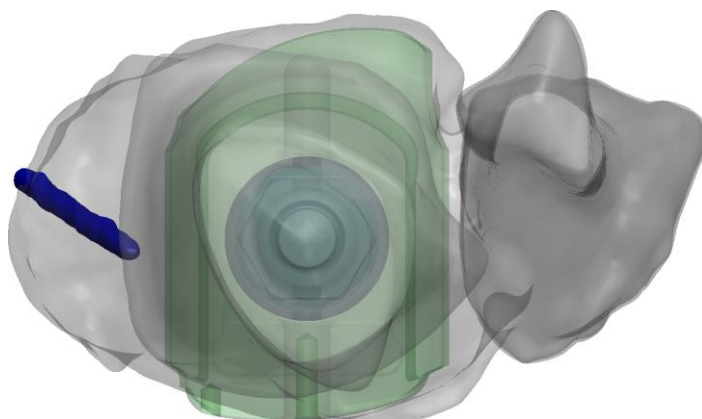


Lateral View. The "corrected" talus (highlighted) relative to the Pre-op talus (gray)

CASE#### - APPENDIX: Hardware proximal to the joint line

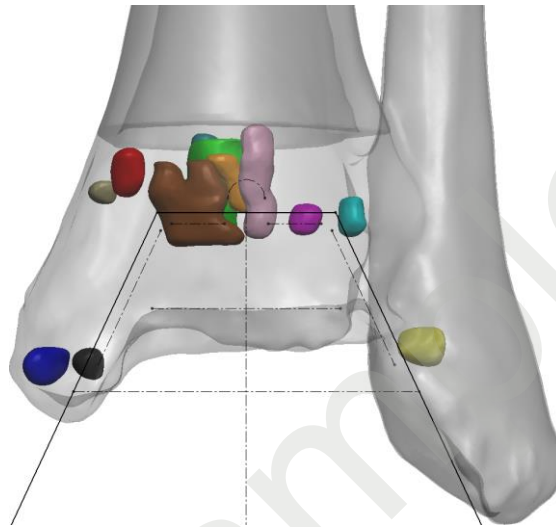
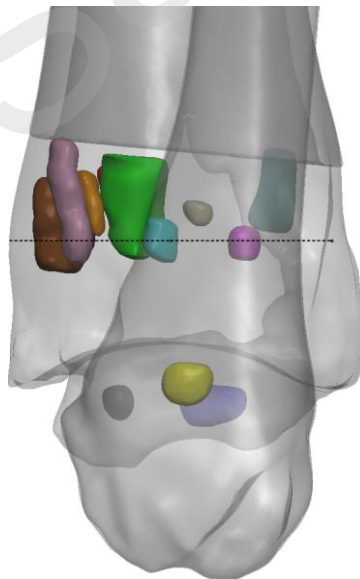
Hardware exists as shown below. The interference between the hardware and the features of the planned TAR procedure are specified in the following information:

- The existing hardware does not interfere directly with any Prophecy®-related aspect of this case.

**Anterior view****Sagittal view****Anterior view
Alignment guide****Proximal view**

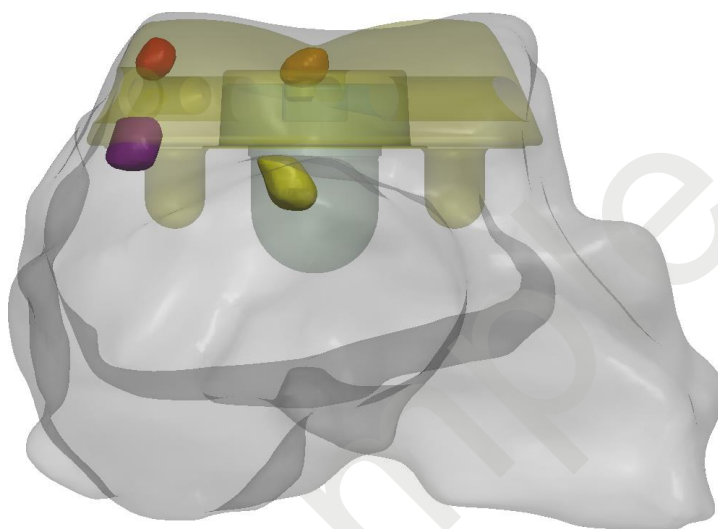
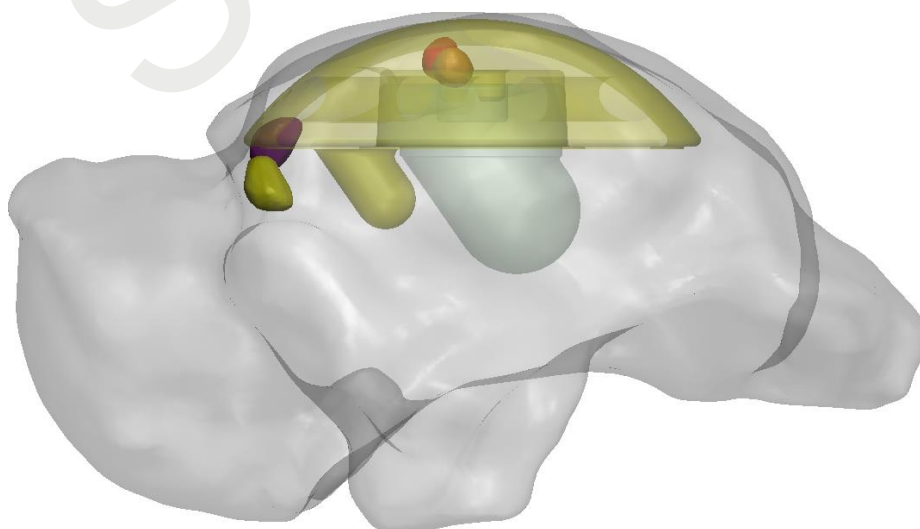
CASE64319 - APPENDIX: Tibia Bone Voids

- Any bone voids near the expected location of the implant are shown below.
- For surgically relevant open bone voids that are not intrinsic to the stability of the bony structure during your Total Ankle Replacement procedure, consider using PRO-DENSE™ Injectable Regenerative Graft.
- Please refer to the patient's CT scan for more details.

**Anterior view of tibia and fibula.****Lateral view of tibia and fibula.**

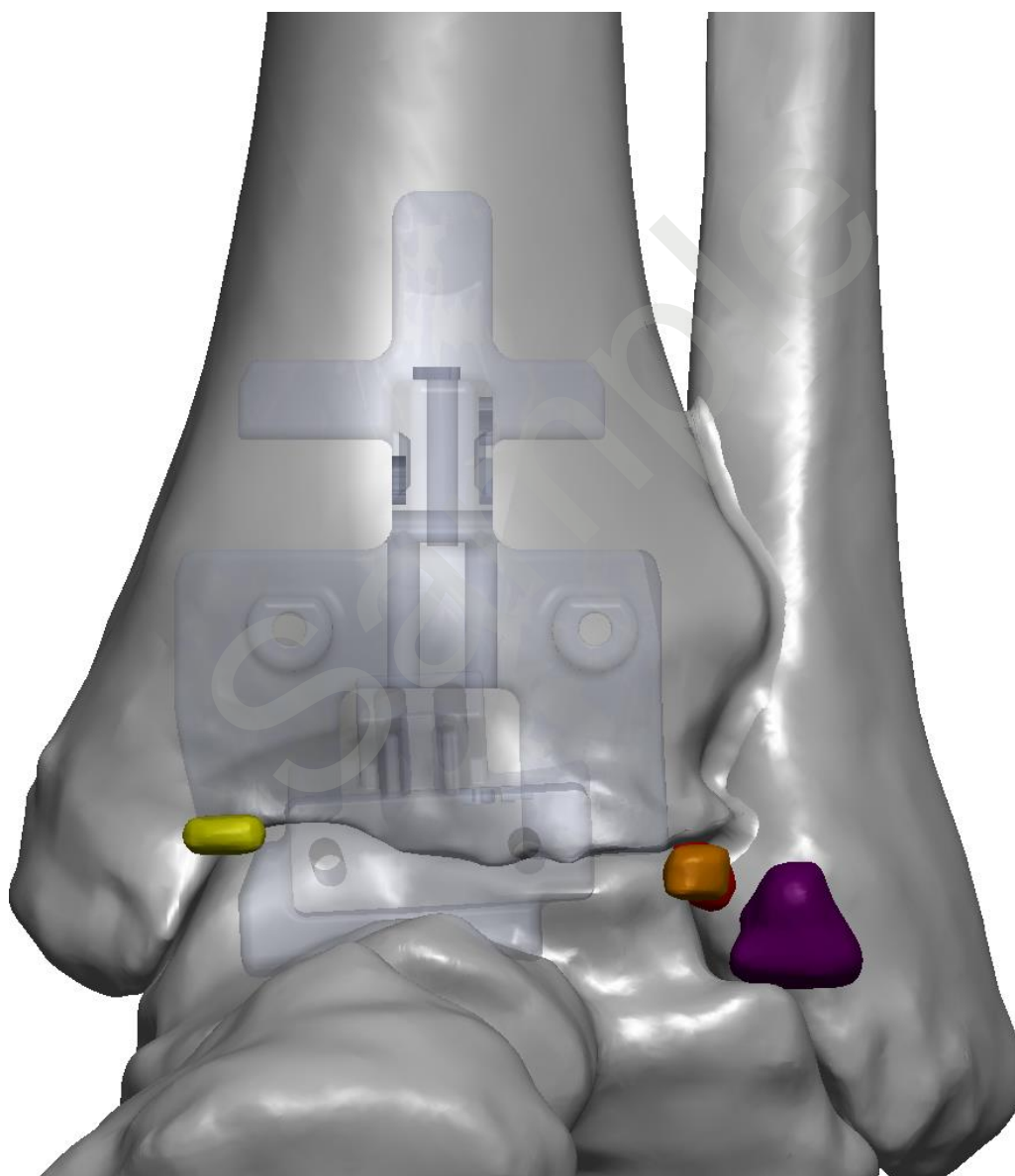
CASE64319 - APPENDIX: Talus Bone Voids

- Any bone voids near the expected location of the implant are shown below.
- For surgically relevant open bone voids that are not intrinsic to the stability of the bony structure during your Total Ankle Replacement procedure, consider using PRO-DENSE™ Injectable Regenerative Graft.
- Please refer to the patient's CT scan for more details.

**Anterior view of talus with implant.****Lateral view of talus with implant.**

CASE64319 - APPENDIX: Osteophyte Appendix

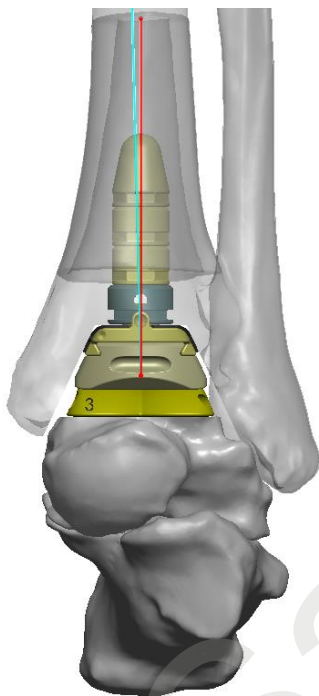
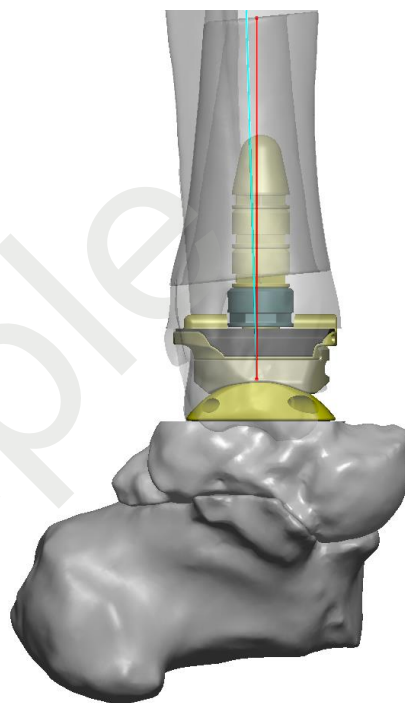
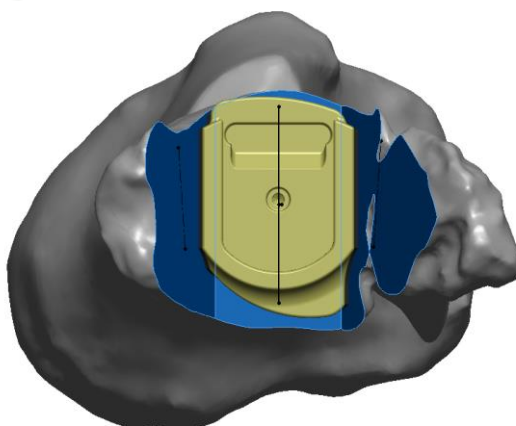
Any loose body osteophytes shown below that interfere with the alignment guides will need to be removed prior to placing the guides.



Tibia alignment guide at tibia-talus joint line relative to any osteophyte(s). Anterior view

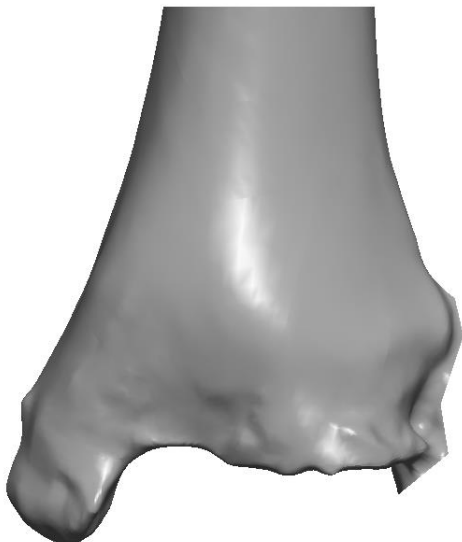
CASE64319 - APPENDIX: Alternative tibia implant

- An alternative size 3 Long tibia tray is shown below.
- Remaining medial malleolus thickness: 13.1 mm.
- A-P coverage: 1.6 mm of posterior uncovered bone.
- The report needs to be rejected in order to use the alternative size.

**Alternative tibia. Anterior view****Alternative tibia. Sagittal view****Alternative tibia. Distal view**

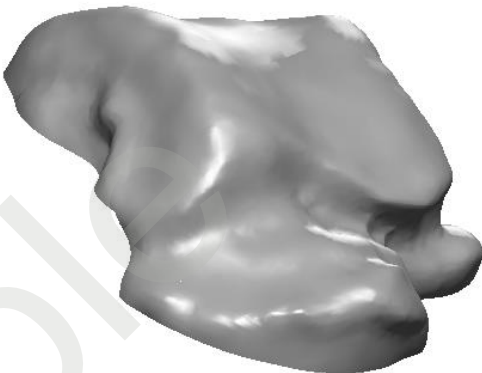
CASE64319 - APPENDIX: Surgical Bone Models

Tibia Bone Model



Anterior view

Talus Bone Model



Oblique Anterior view



Posterior view



Distal view

FF 2.0
Training Set
Do Not Discard

FF 2.0
Training Set
Do Not Discard