WHAT'S NEW IN TAA

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69 YR MALE

- Initially injured in '77
- ORIF at that time
- Finally failed conservative care
- Workers comp
- Injections initially offered some relief
- Failed bracing
- What next?



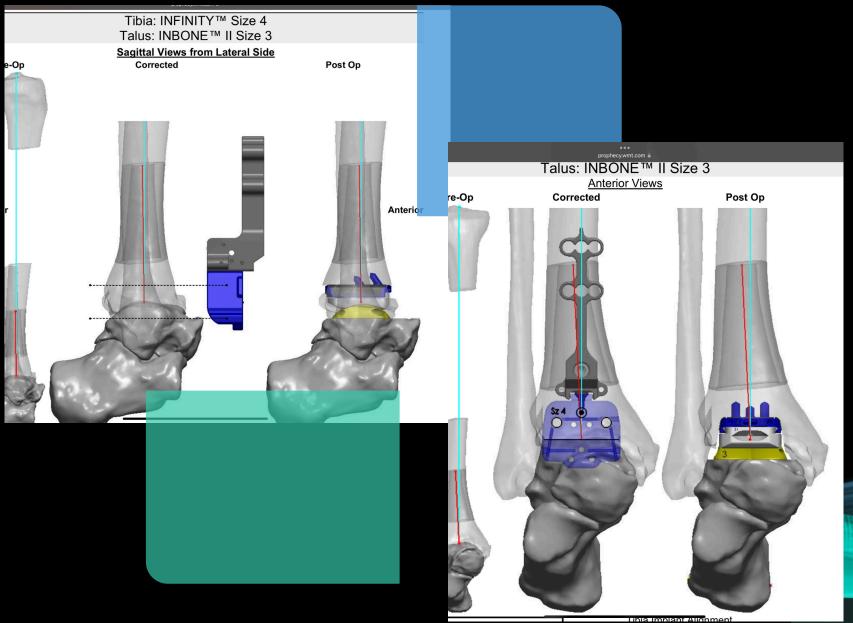
SOOO.....WE DID THIS



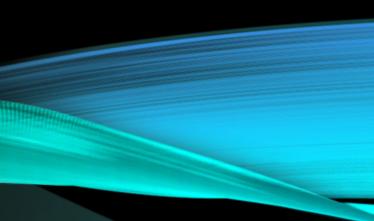


BUT WAIT....HOW DID WE GET HERE

- First we start with obtaining full length CT scan
 - This allows for extensive preop planning...



INITIAL REPORT

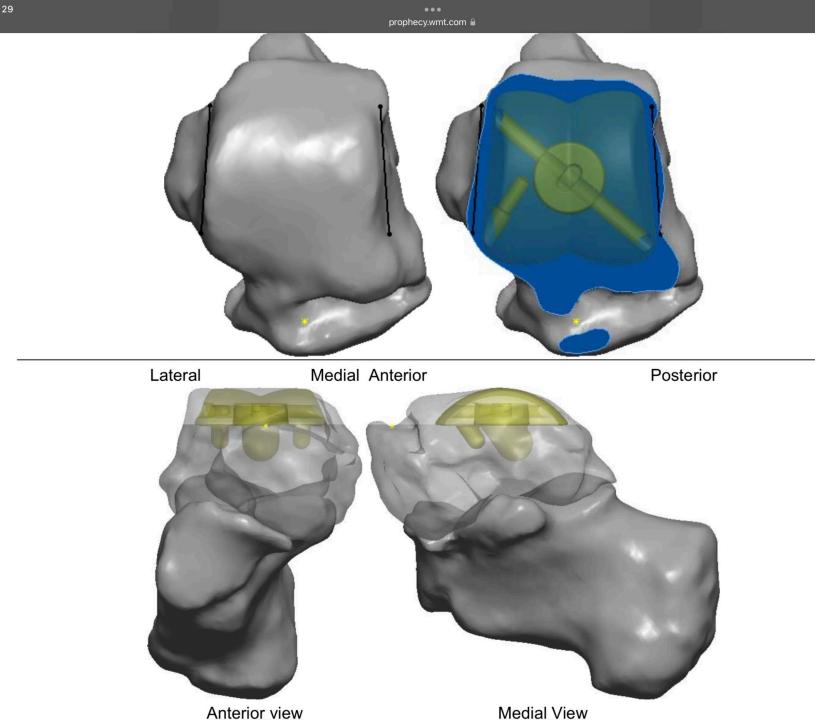


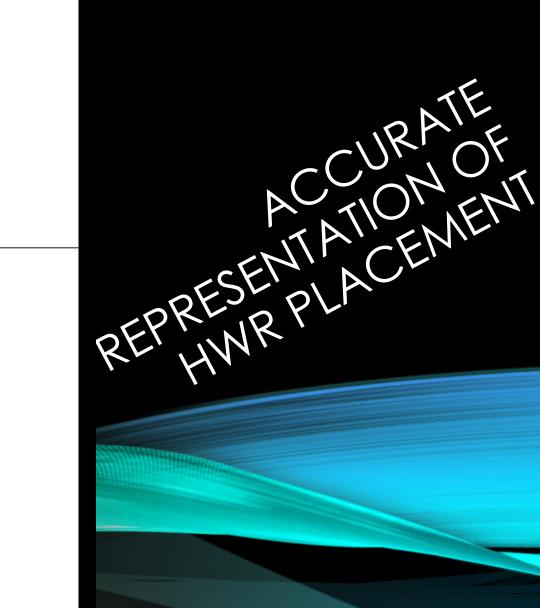
GIVES 3D VIEW OF DEFORMITY

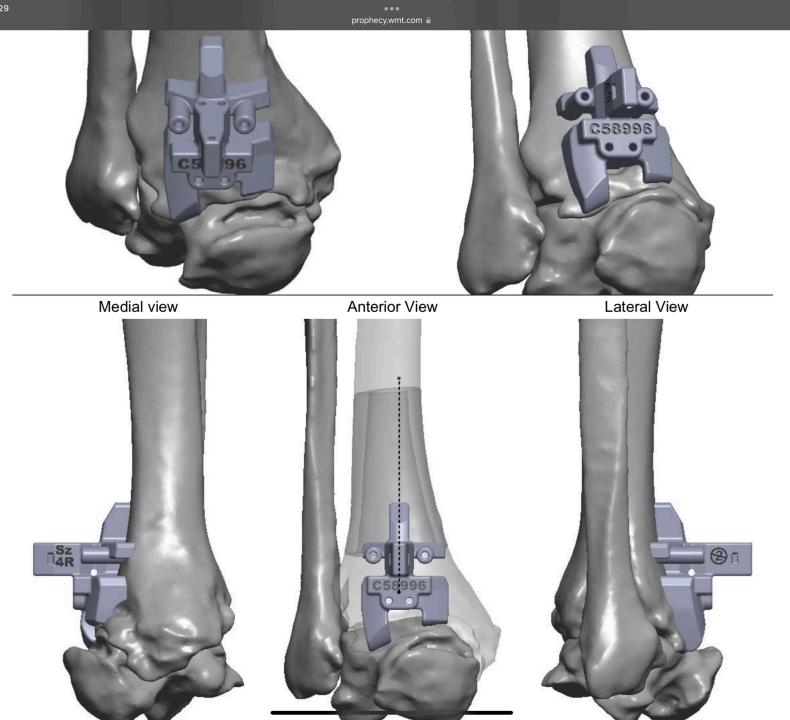
Posterior - AP Direction: Gutter bisection • Tibia gutter angle: 7.3°. • A-P Tibia implant placement: Anterior edge. Posterior uncovered tibia resection: 1.7 mm. TOP9 Talus resection guide relative to the talar bone and the

Talus resection guide relative to the talar bone and the planned tibia alignment axis. The resections will result in a correction of 12.3° from varus. Ligament balancing may be necessary to achieve balance

The tibia internal/external orientation is 21.1° external to the approximate foot orientation.

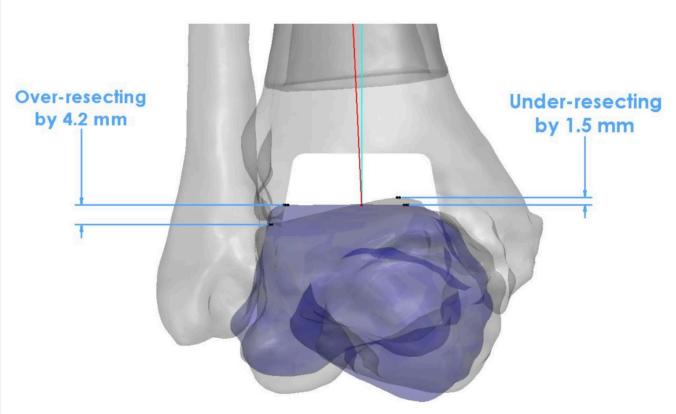






TIBIAL CUTTING JIG PLACEMENT

Pre-op medial-lateral talar height difference: 5.7 mm



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

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opposite sid the amoun

necessary to

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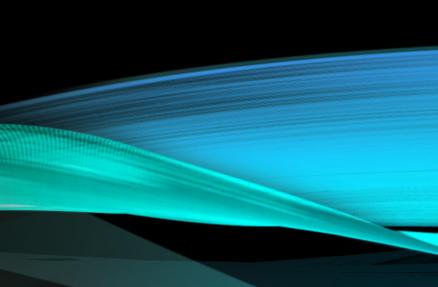
value.

Talus resection

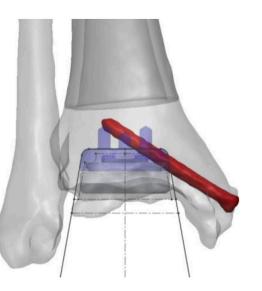
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axis. The

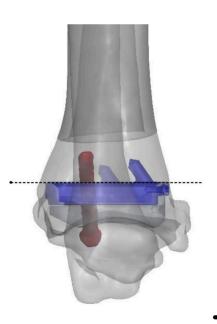
CORRECTION OF DEFORMITY REPRESENTED

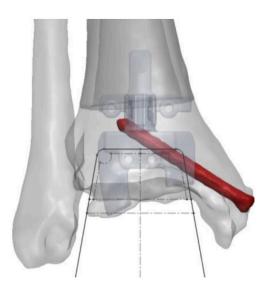


Confidential

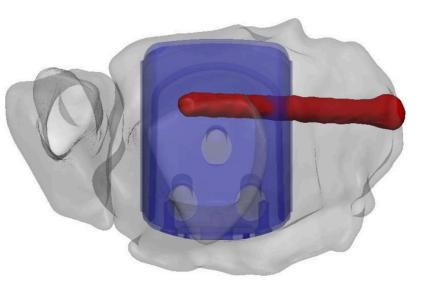


Anterior view

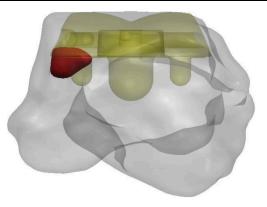




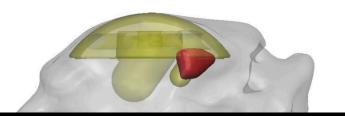
Anterior view – alignment guide

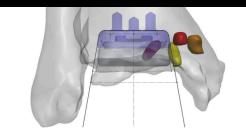


SHOWING PREDICTIVE IMPLANT PLACEMENT



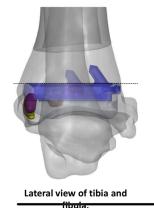
Anterior view of talus with implant.



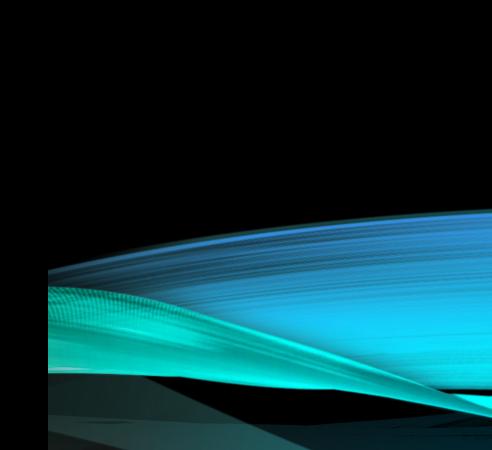


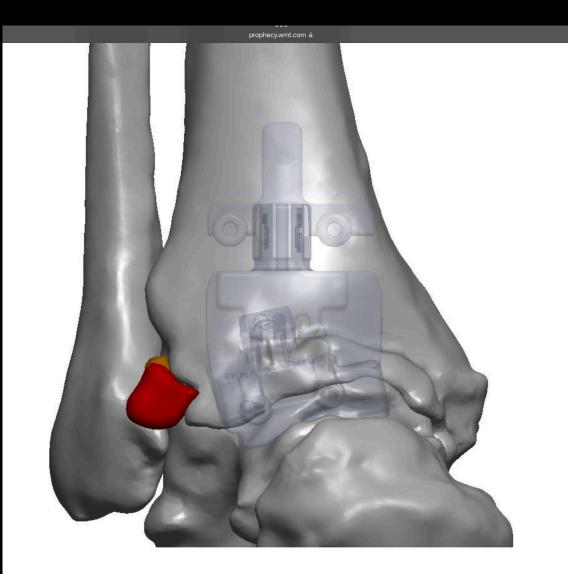
Anterior view of tibia and fibula.





DEFECTS HIGHLIGHTED





ANY POTENTIAL LOOSE BODIES TO BE REMOVED



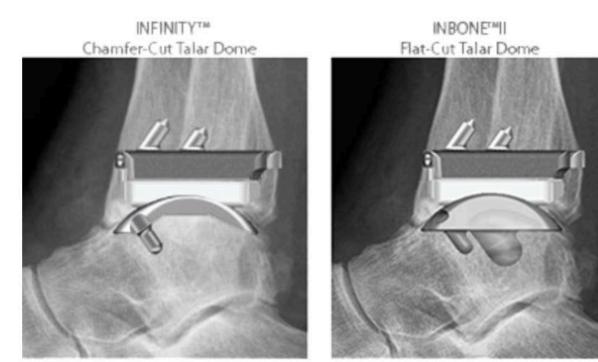
FINALLY WITH GOOD PREPARATION....

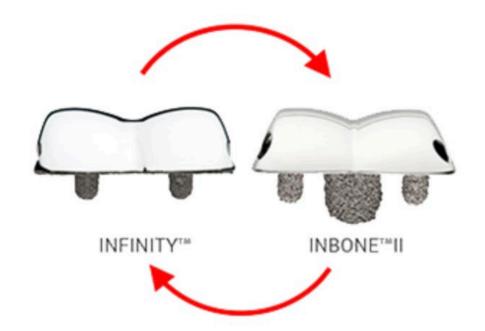
MODIFICATION

- Ability to add more resection to avoid defects
- Allows adjustment of implant position
- Correct rotation
- Can use chamfer infinity talus, inbone talus, inbone tibia, or infinity talus
- Adjust implant based on CT scan
 - Invision talus/tibia

INIFINITY TALUS/TIBIA

+/- to both options





INCREASES STABILITY/FIXATION

- Typically recommended for older patients
- Can require drilling through subtalar joint



FIRST REVISION SYSTEM....INVISION

- Allows better stability in collapsed talus
- Can help restore joint line
- Only available revision system on market at this time
- Works with prophecy



Clinical Application

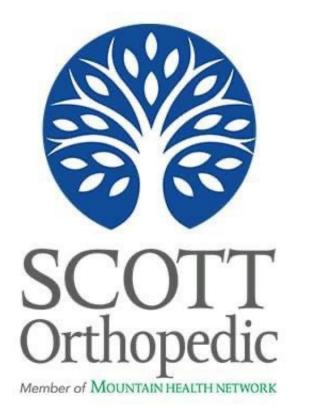
Pre-op



Post-op



X-ray images courtesy of Steven Haddad, MD.



THANK YOU!

