

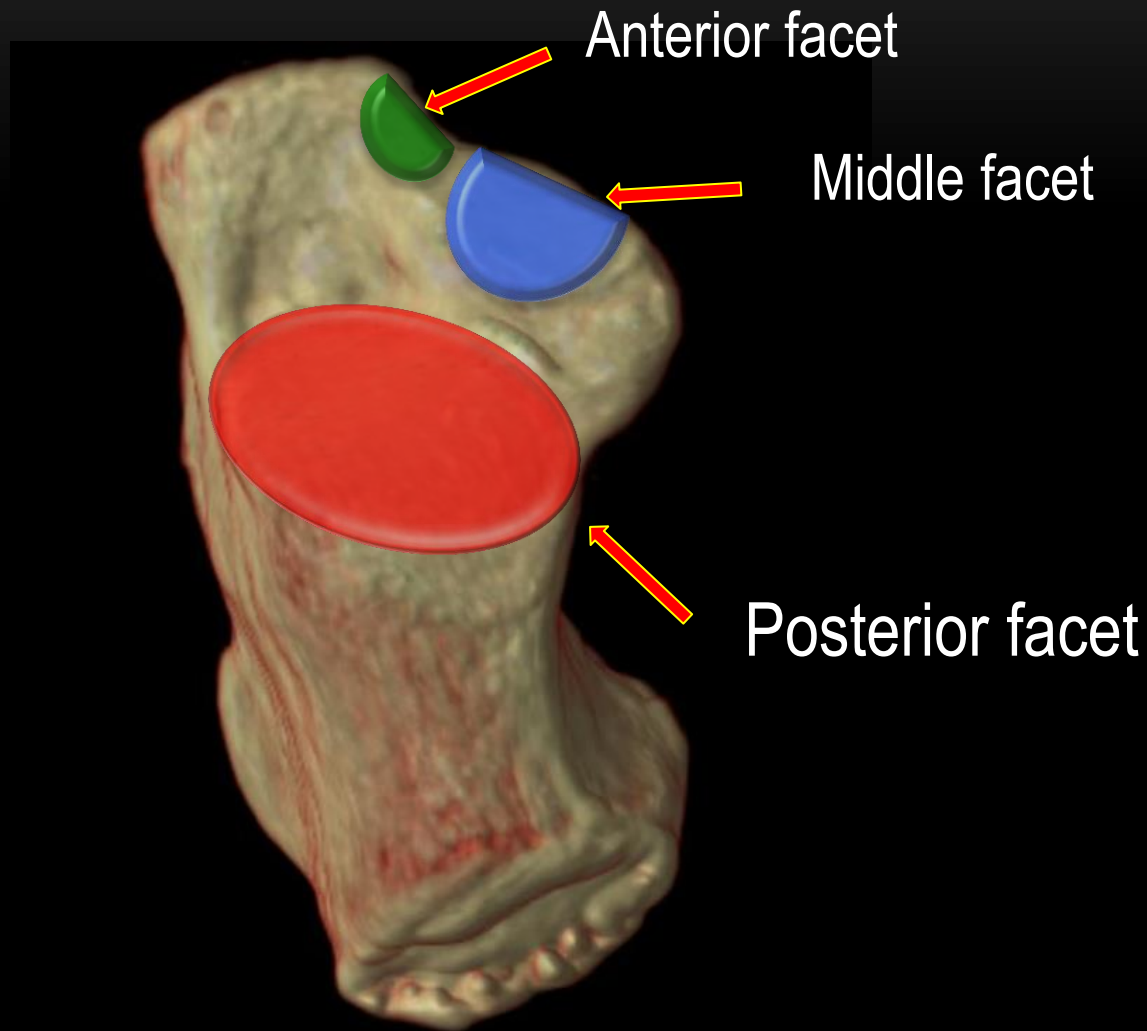
ANATOMY

VIEW FROM THE TOP

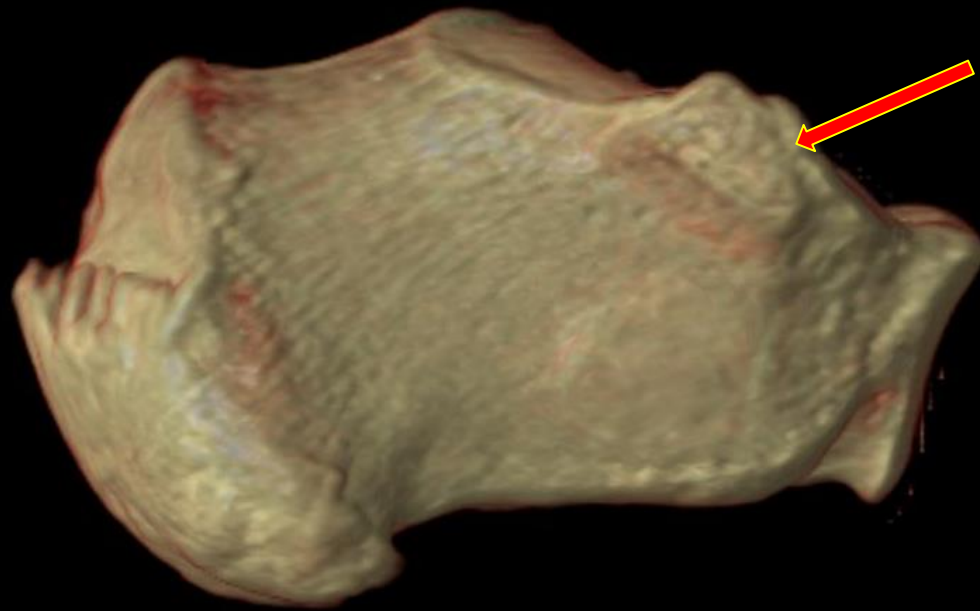


All calcaneal facets are covered by the talus

SUPERIOR VIEW

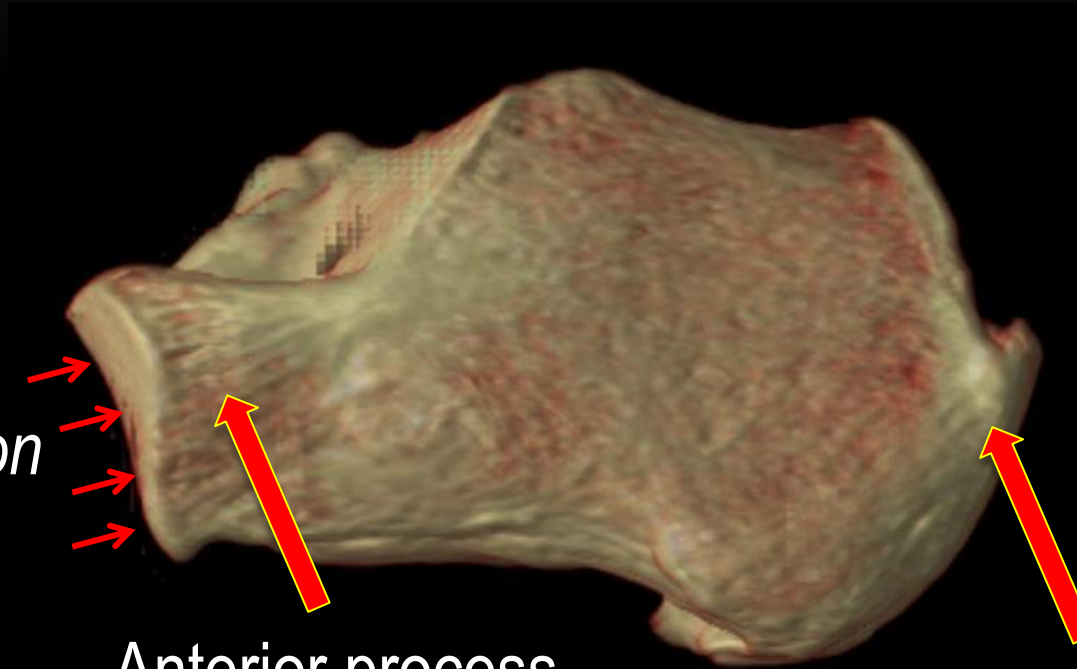


MEDIAL



Sustentaculum

LATERAL



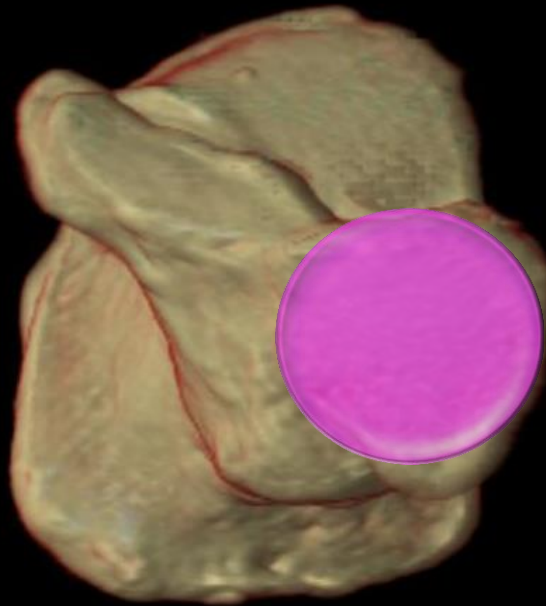
Cuboid articulation

Anterior process

Posterior process

ANTERIOR

Sustentaculum tali

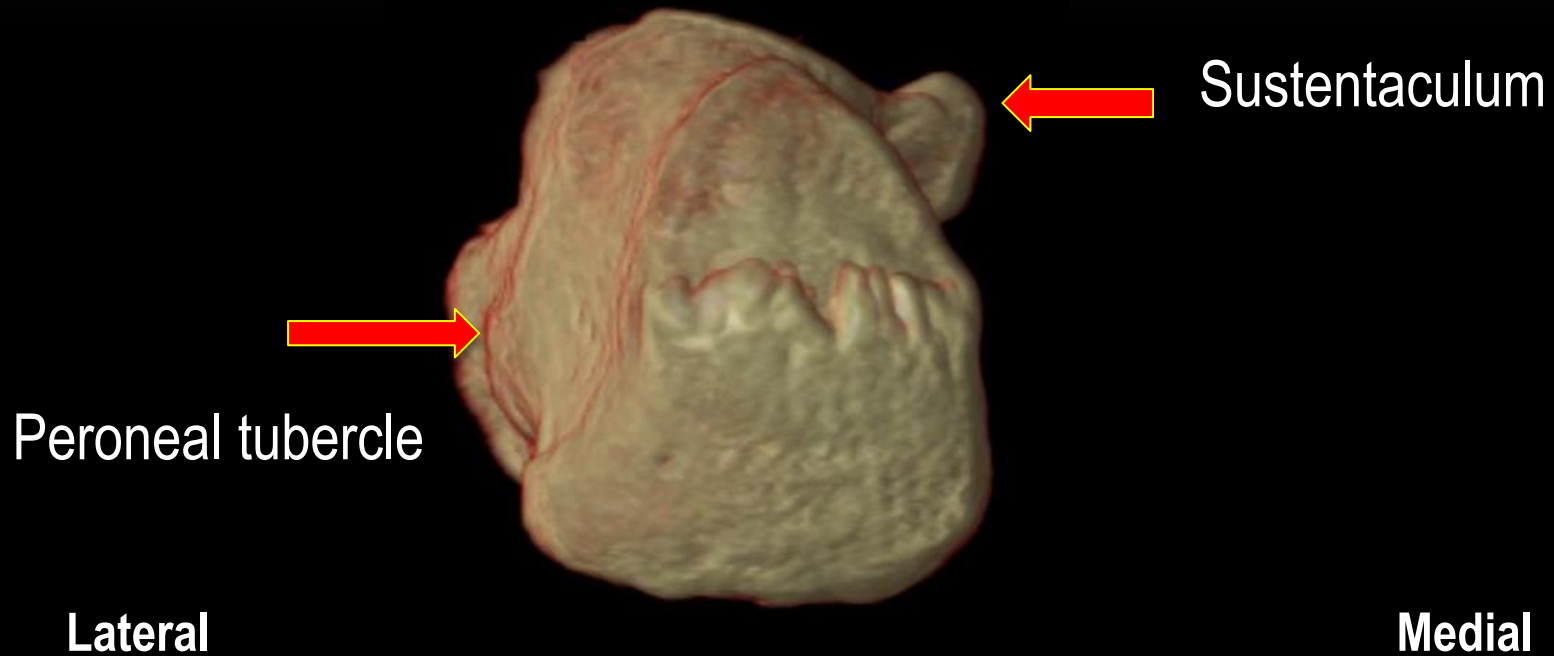


Cuboid articulation

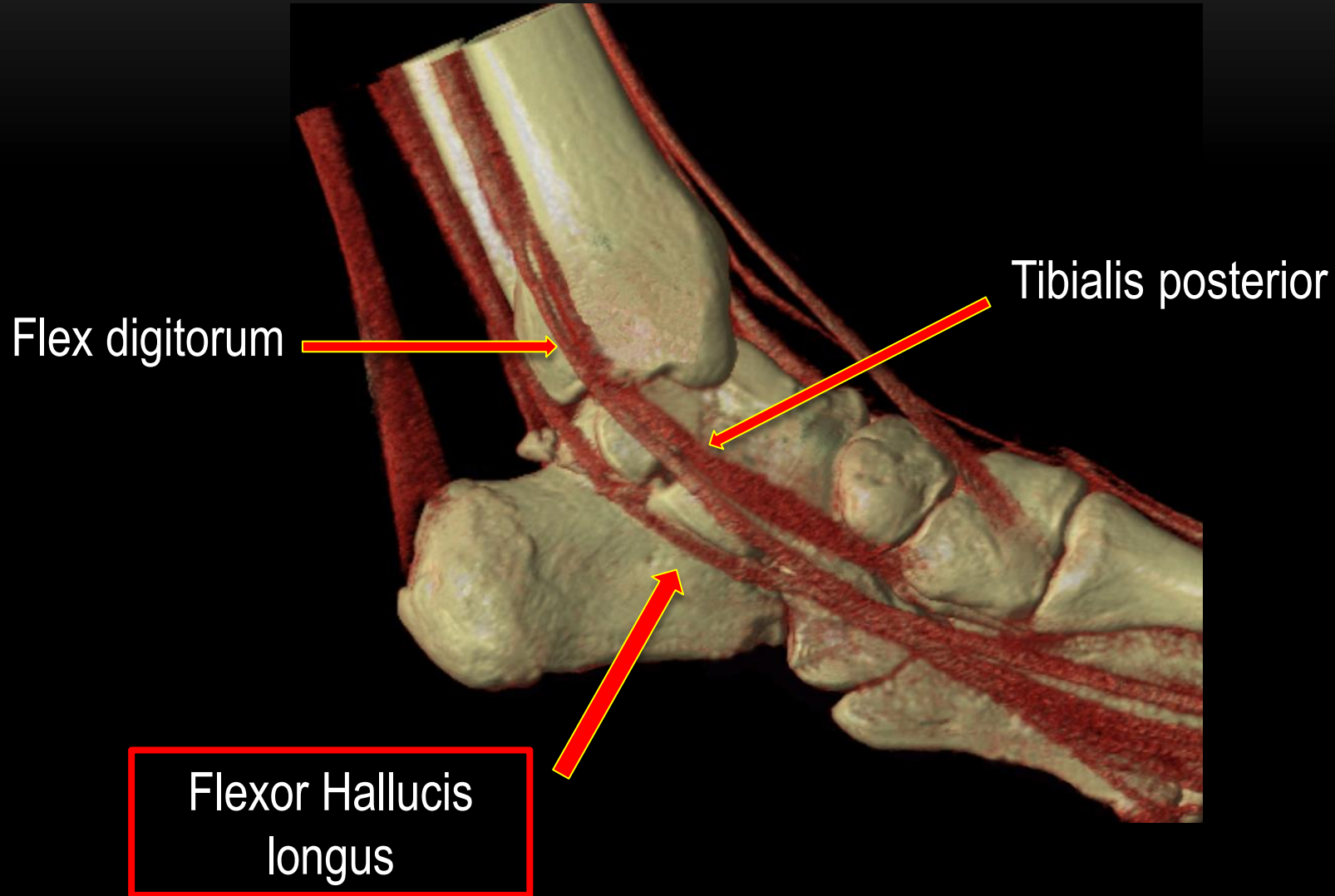
Medial

Lateral

POSTERIOR

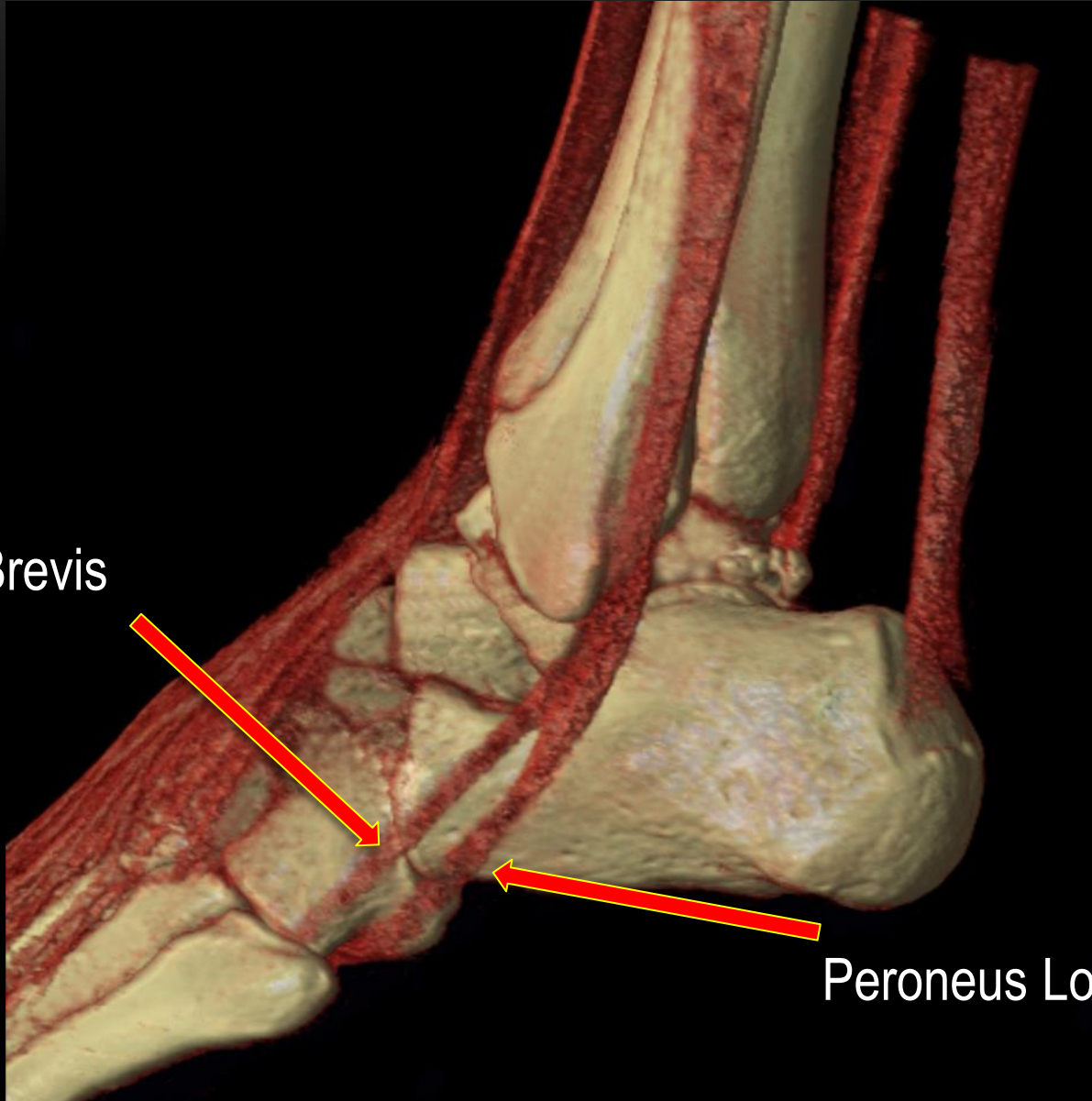


MEDIAL TENDONS



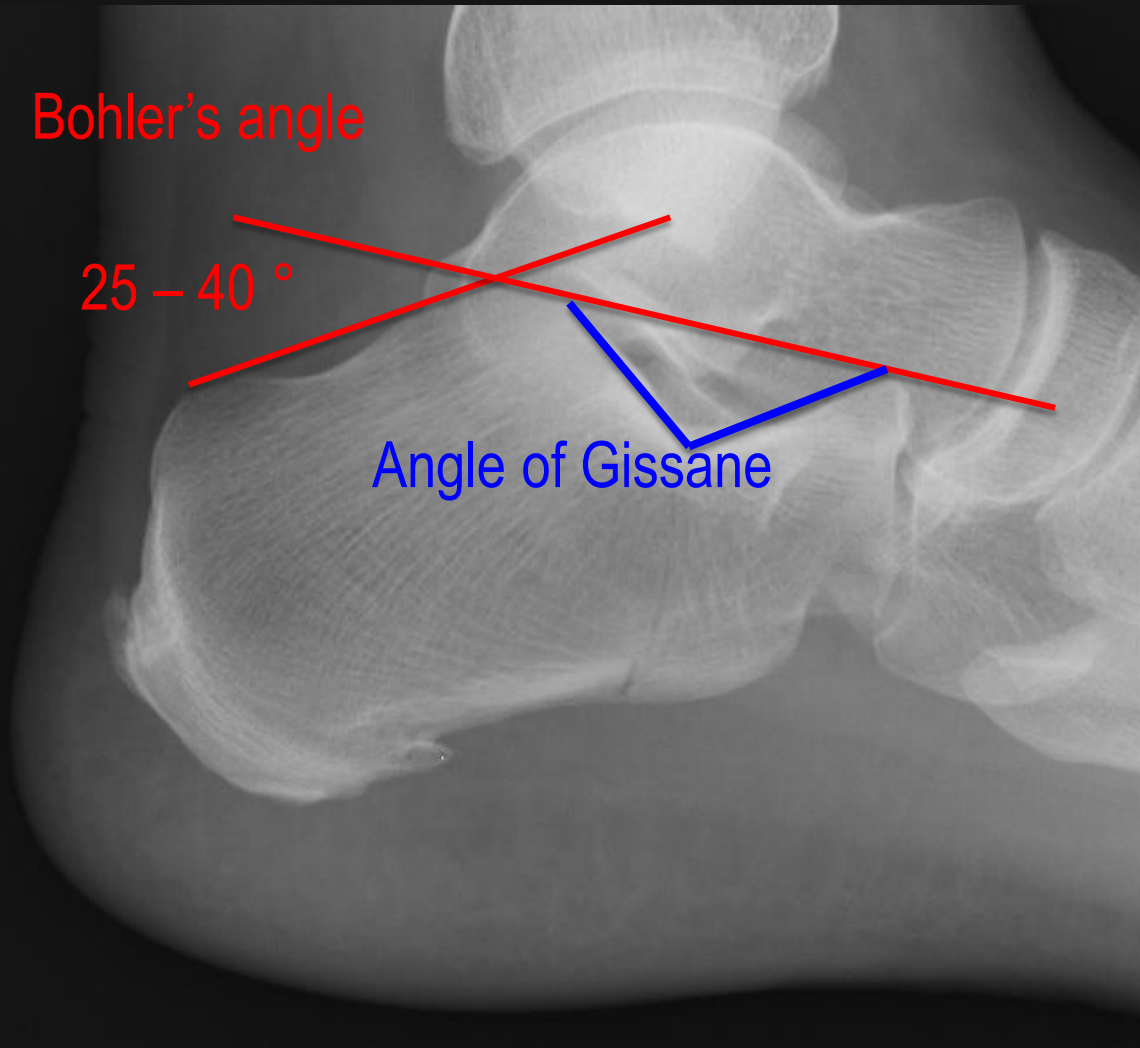
LATERAL TENDONS

Peroneus Brevis



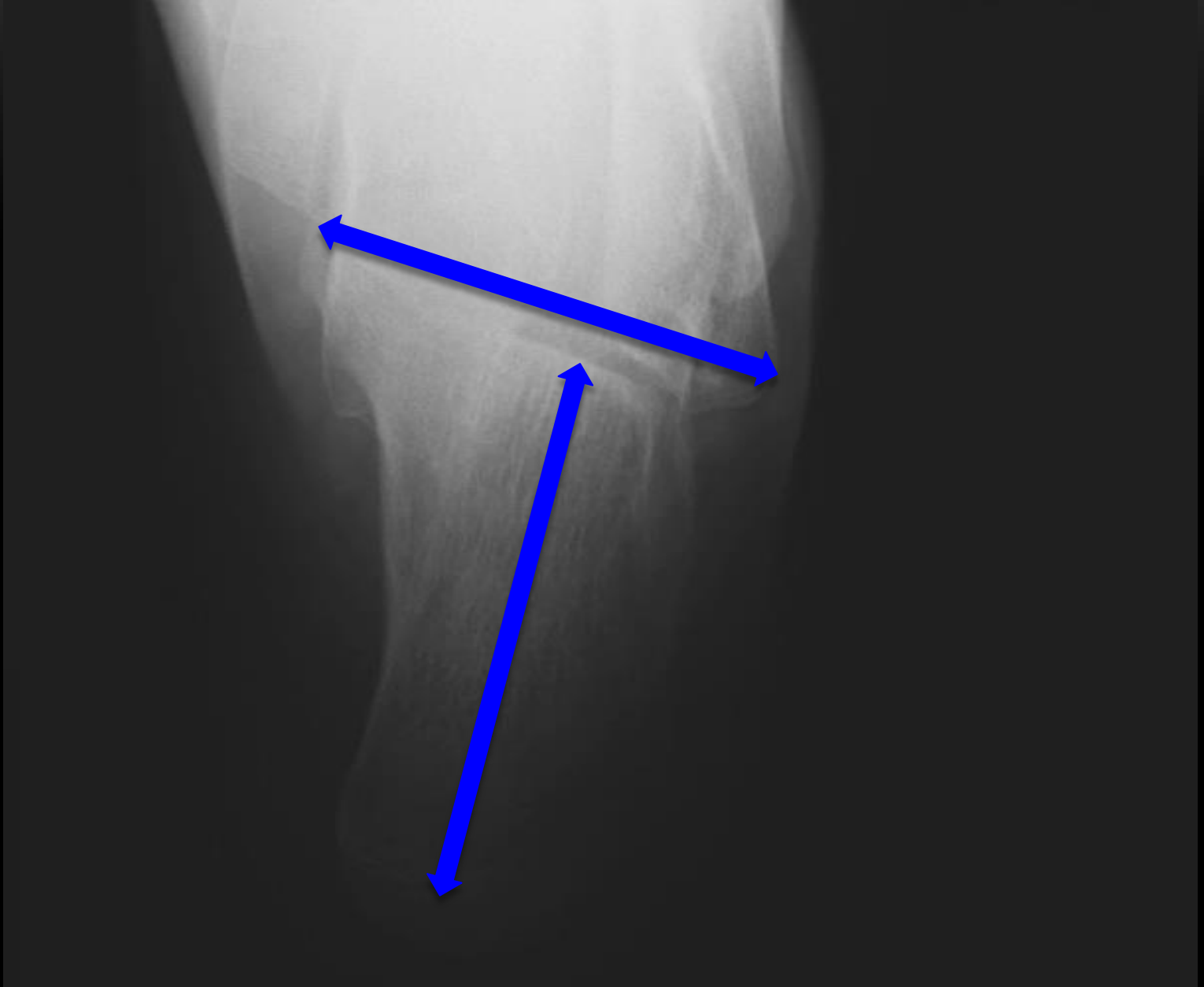
Peroneus Longus

RADIOGRAPHY – LATERAL



- Bohler's angle normal 20 - 40 °
- Angle of Gissane $\approx 100^\circ$

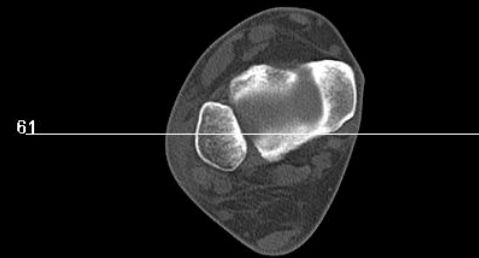
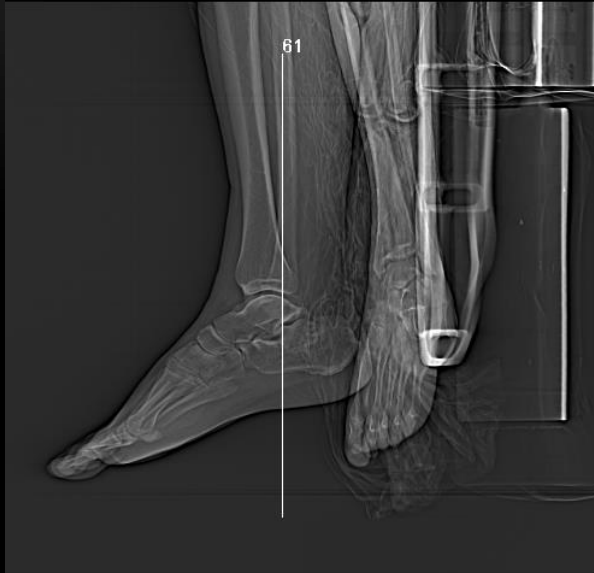
LOOK FOR CALCANEAL WIDTH & LENGTH



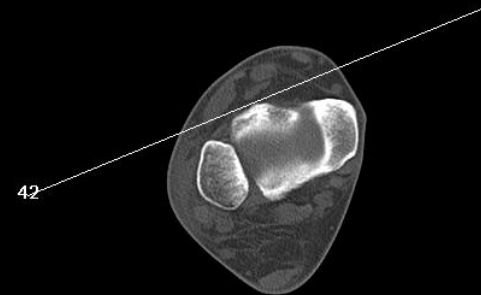
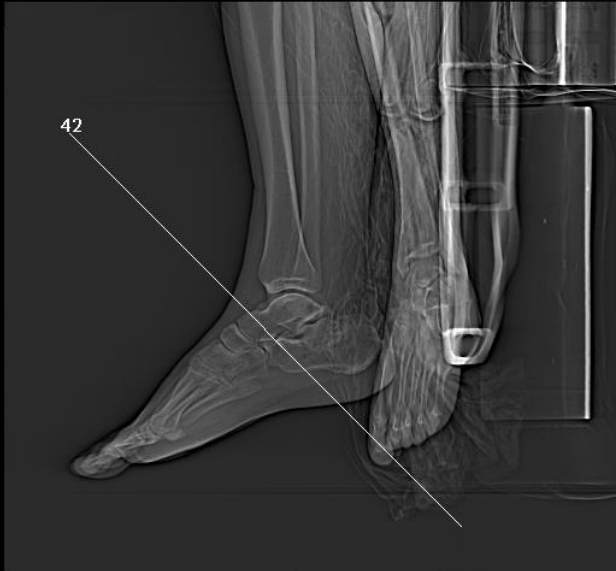
CT SCAN – THE KEY!

- Technique is vital
 - Thinnest possible data
 - 2 mm recons in bone and soft tissue
 - Corrected sagittal images
 - Tilted coronal images
 - Corrected axials
-

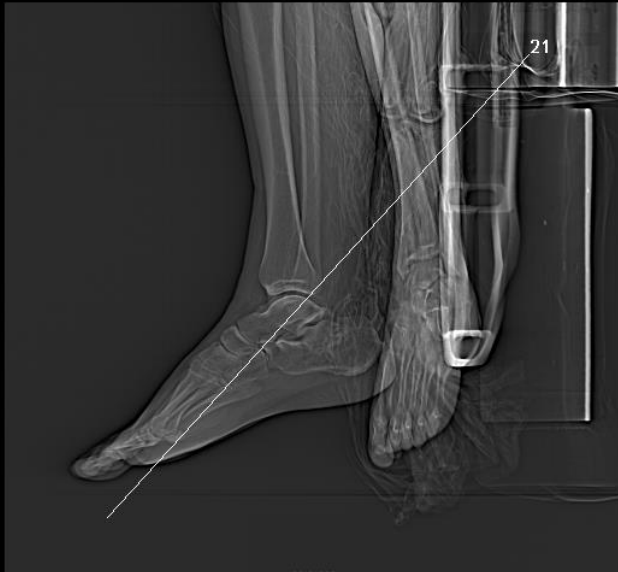
CT IMAGING – USUAL SCENARIO!



CT IMAGING KEY CORONAL IMAGES!



CT IMAGING TILTED AXIAL

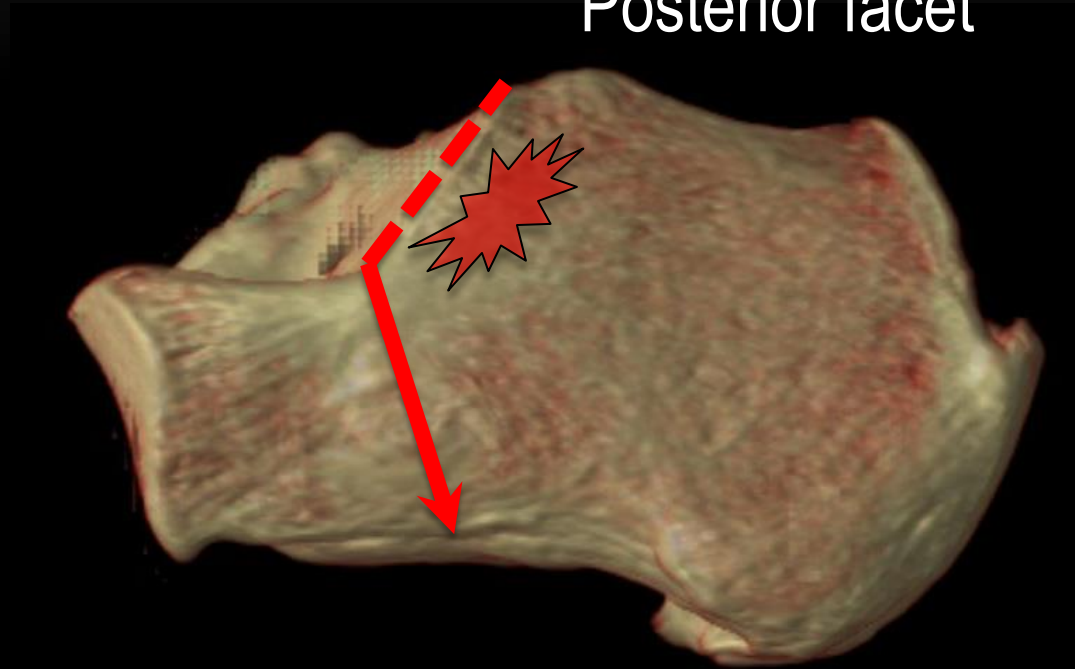


KEEP IT SIMPLE

- Intra articular – posterior facet involvement
 - Joint depression
 - Tongue type
 - Extra articular – everything else!
-

INTRAARTICULAR - JOINT DEPRESSION

Posterior facet



INTRARTICULAR - TONGUE TYPE



CASES !

MVC – INTRARTICULAR JN DEPRESSION



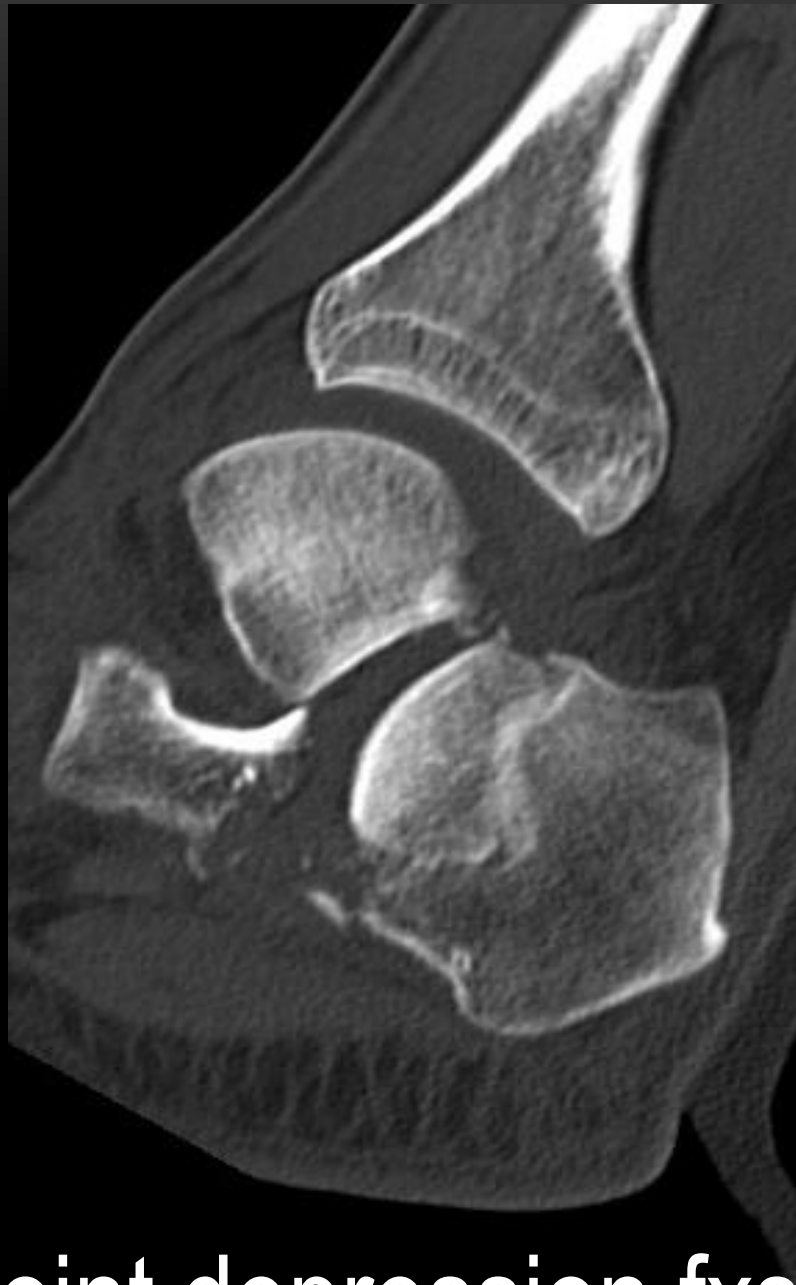
Width
increase



AXIAL
LOADING
Shear force



Joint depression fx



Joint depression fxs

INTRARTICULAR – TONGUE TYPE

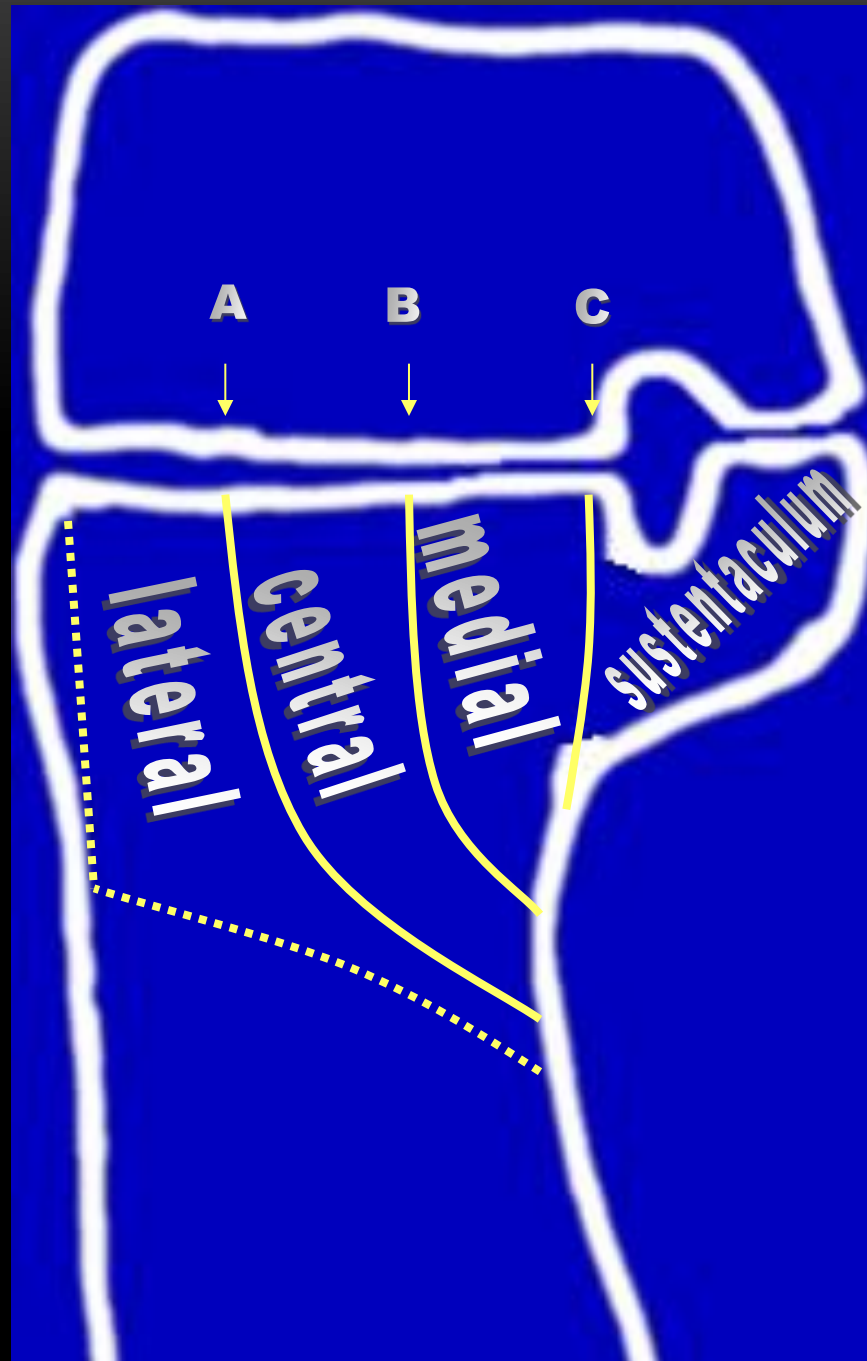


OK I FIGURED OUT COMPRESSION
FRACTURES - HOW DO I CLASSIFY ?

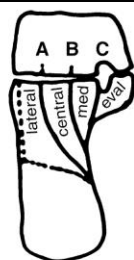
SANDERS CLASSIFICATION

- Type 1 – non displaced
- Type 2 – 2 fragments of the post facet
- Type 3 – 3 fragments of the post facet
- Type 4 – 4 fragments of post facet
 - * Sustentaculum is part of the most medial fragment

SANDERS classification



sanders classification calcaneus



TYPE IV



TYPE IIA



TYPE IIB



TYPE IIC



III AB



III AC



III BC

Type 2



Type 3



EXTRAARTICULAR CALCANEAL FX



CALCANEOCUBOID INVOLVEMENT



FHL TENDON ENTRAPMENT



HOW DO I REPORT ???

WHAT DOES THE SURGEON WANT TO KNOW?

CT CALCANEUS REPORT

- Posterior facet : how many fragments/ depression?
- Middle / anterior facet
- Anterior process
- Sustentaculum talus
- Calcaneocuboid joint involvement
- Soft tissue – tendons , etc.

