

Subtalar Fusion

Pre-op

Female in mid thirties presented with pain in foot. X-rays reveal significant arthritis in her subtalar joint.

Procedure

Surgeon made an incision on the lateral side of the foot to expose the subtalar joint. Surgeon then removed articular cartilage from the articular surface of the talus and calcaneus of the subtalar joint using a combination of curettes, and osteotomes, with a small power burr in selected area of sclerotic bone, to expose bleeding cancellous bone.

Surgeon then harvested bone graft from the distal tibia via an incision on the medial side and using a 5mm bone harvester.

Surgeon then inserted 1.6mm guidewire from the plantar aspect of the calcaneus through the talus (using x-ray in multiple planes as guidance). Surgeon then used 4.5mm drill over the guidewire. Surgeon then used 6.5mm countersink to prepare for screw insertion. Surgeon repeated these steps for second screw.

Surgeon then inserted bone graft in previously prepared subtalar joint.

Screw Insertion

Surgeon inserted two 6.5 x 70mm CompressX screws using the all-in-one driver so screw threads were within the talus and across the fusion site. Surgeon then switched the driver to compression mode to apply final compression.

Lateral View Pre-op



Anterior Posterior View Pre-op



Post-Op Lateral View

