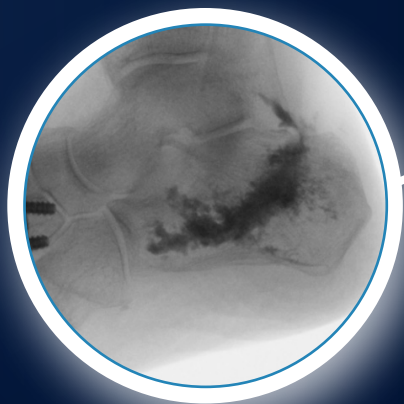


Medical Education Series

# Treatment of Calcaneus Stress Fracture

Melanie Sanders, MD



### DIAGNOSIS

A 72-year-old patient experiencing a calcaneus stress fracture six months after tarsometatarsal fusion. Conservative treatment was attempted but discomfort continued to worsen until patient could no longer walk due to the pain.

### TREATMENT

CERAMENT® BONE VOID FILLER was injected anterior to the Achilles tendon through the superior cortex of the body of the calcaneus.

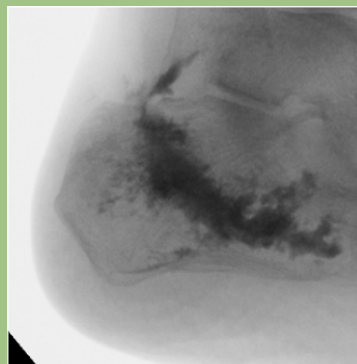
Patient showed complete resolution of symptoms within a few days of surgery and experienced no severe post-op pain. At 1 month post-op, patient began weight bearing as tolerated in a boot.

### OUTCOME

At 6-months post-op, after fusion plate removal, there appears to be a restoration of the normal trabecular pattern of the calcaneus.



**Figure 1.** 6 months post TMT fusion, patient unable to ambulate due to heel pain (atypical location).



**Figure 2.** Intra-op fluoroscopy injecting CERAMENT anterior to the Achilles tendon through the superior cortex of the bony calcaneus.



**Figure 3 & 4.** 1 month post-op, patient allowed weight bearing as tolerated in a boot.



**Figure 5.** 6 months post-op (after plate removal) showing restoration of normal trabecular pattern where CERAMENT BONE VOID FILLER was injected.

Credit: Melanie Sanders, MD