Case Report:
Treatment of displaced intra-articular calcaneal fracture with
CERAMENT® BONE VOID FILLER

Damiano Papadia
Reparto di Ortopedia e, Traumatologia Ospedale, Santa Chiara, Trento, Italy
PATIENT
54 year old female

DIAGNOSIS
- Displaced intra-articular calcaneal fracture Sanders 4.
- Some authors have reported that filling of bone defects with open reduction and internal fixation (ORIF) of displaced intra-articular calcaneal fractures (DIACF’s) is unnecessary.
- However, we have observed reduced calcaneal height of the posterior facet and reduction of Bohler’s angle when full weight bearing is allowed at 3 months in patients with significant bone defects after fracture reduction treated with ORIF LCP alone.

TREATMENT
- Open reduction and internal fixation.
- Augmentation with CERAMENT® BONE VOID FILLER.
- Gradual weight bearing up to 3 months and then full weight bearing.
- Removal of plate after 4 months due to discomfort of the surgical wound with no signs of infection.

OUTCOME
- At 7 months patient demonstrated a good result.
- Maryland Foot Clinic Score Clinical Evaluation = 87/100 points.
- CERAMENT® BONE VOID FILLER is an option for management of DIACF’s.
- It enables reconstruction of large bone defects, allows for functional recovery and prevents post operative reduction of calcaneal height of the posterior facet.