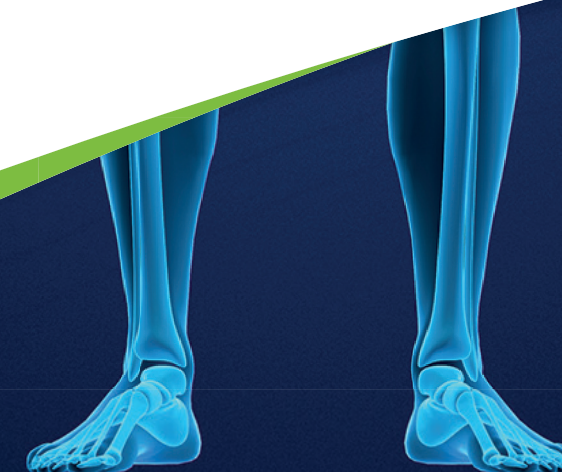


## Case Report:

# Management of a Giant Cell Tumor using CERAMENT®|BONE VOID FILLER: One Year Follow-Up

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# Management of a Giant Cell Tumor with CERAMENT®|BONE VOID FILLER

**PATIENT:** 49 year old male.

## DIAGNOSIS

➔ Pre-op radiographs and MRI suggested Giant Cell Tumor (GCT) of the left distal femur.

## TREATMENT

➔ Intralesional excision of the GCT was performed.

➔ Margin expansion was achieved with an Argon Beam Laser.

➔ The debrided bone void was filled with 75cc of CERAMENT®|BONE VOID FILLER and the distal femur stabilized with a 4.5 lateral locking plate.

➔ Histology confirmed GCT.

## OUTCOME

➔ Two weeks post-op radiographs showed complete filling of the bone void with CERAMENT®|BONE VOID FILLER.

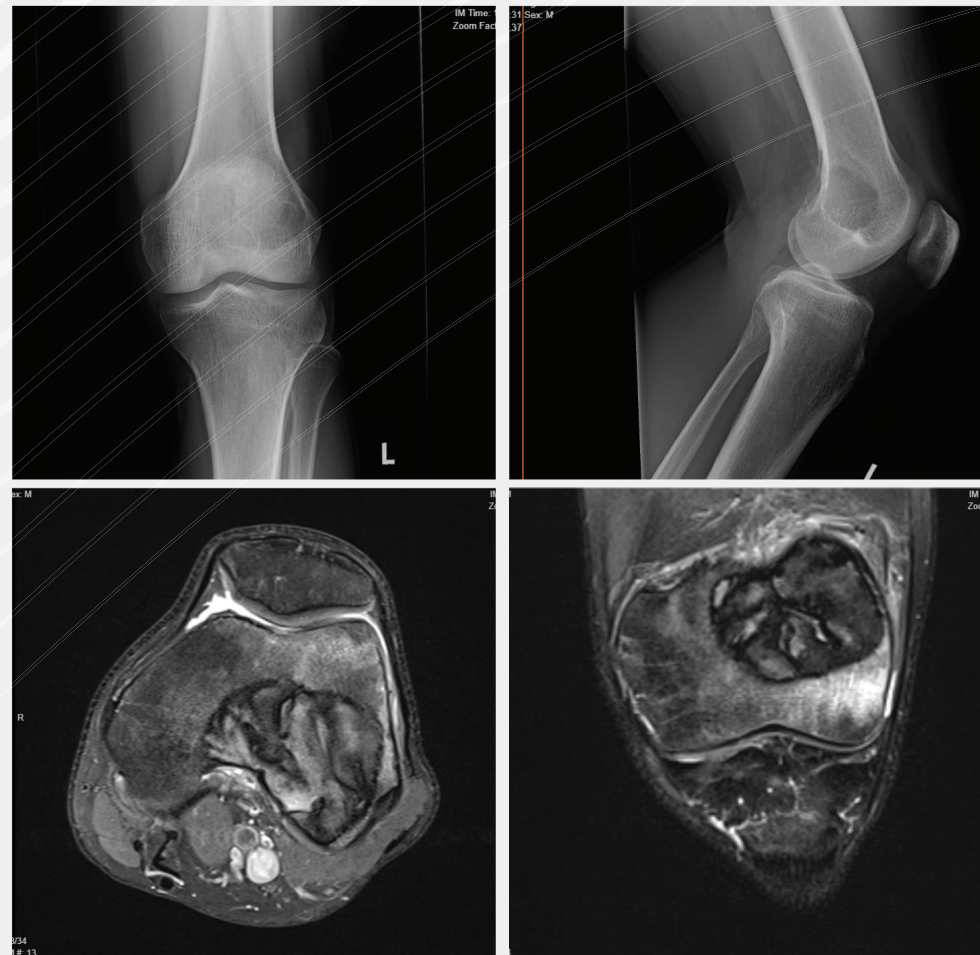
➔ At 6 weeks post-op, evidence of CERAMENT®|BONE VOID FILLER degradation is observed at the periphery of the bone void.

➔ Evidence of bone remodeling is seen at 10 weeks post-op, with degradation and resorption of CERAMENT®|BONE VOID FILLER in sync with generation of new bone.

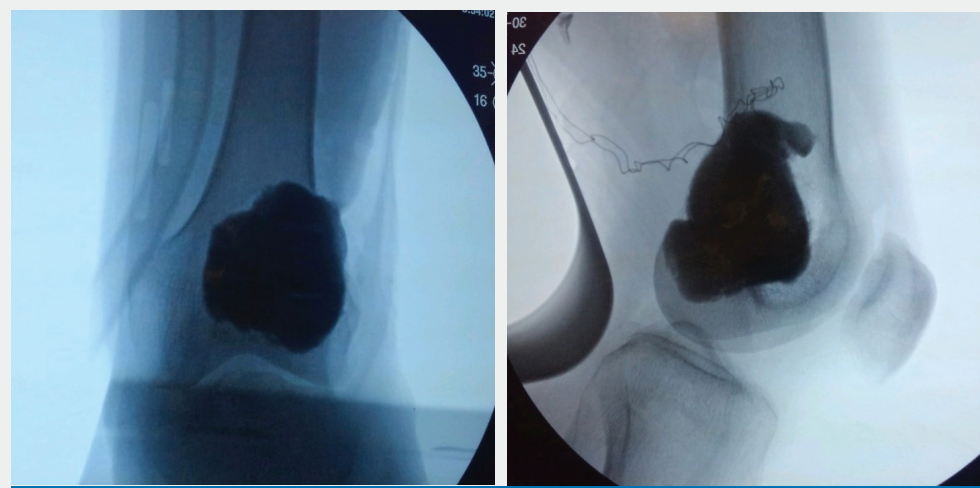
➔ Patient was full weight bearing at 6 weeks post-op.

➔ At 7 months follow-up, the void is almost completely filled with new trabeculated bone.

➔ At 1 year follow up, the void is now completely filled with trabeculated bone

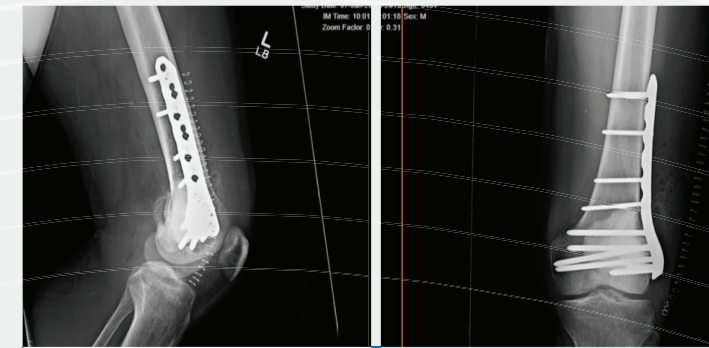


**Pre-op:** Pre-op radiographs and MRI suggested Giant Cell Tumor (GCT) of the left distal femur

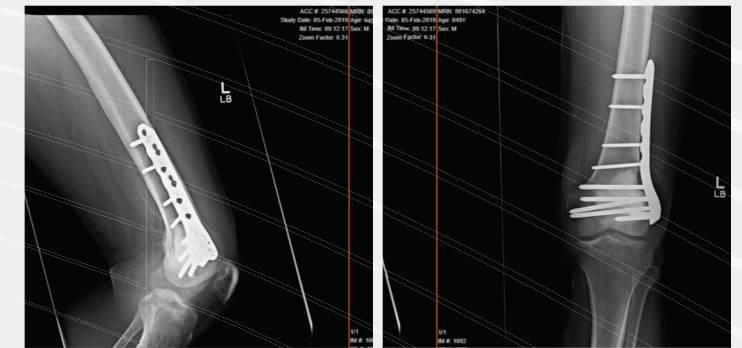


**Intra-op:** Radiographs show complete filling of the bone void with CERAMENT®|BONE VOID FILLER.

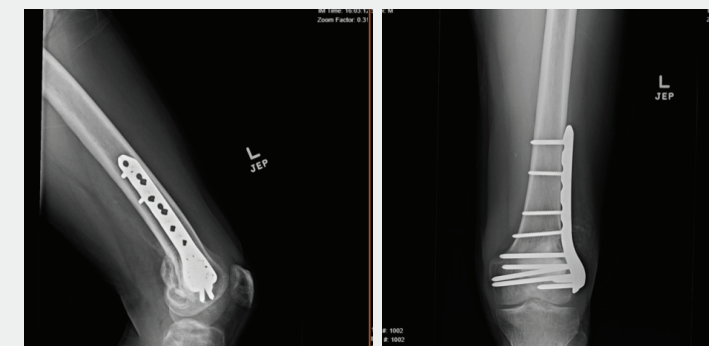
## FOLLOW UP RADIOGRAPHS



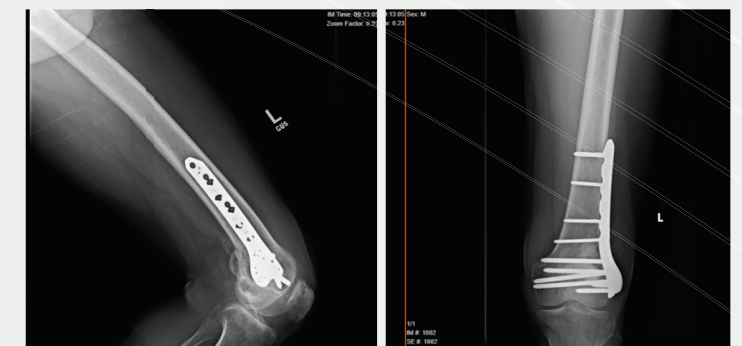
**2 weeks Post-op:** Radiographs show complete filling of the bone void with CERAMENT®|BONE VOID FILLER.



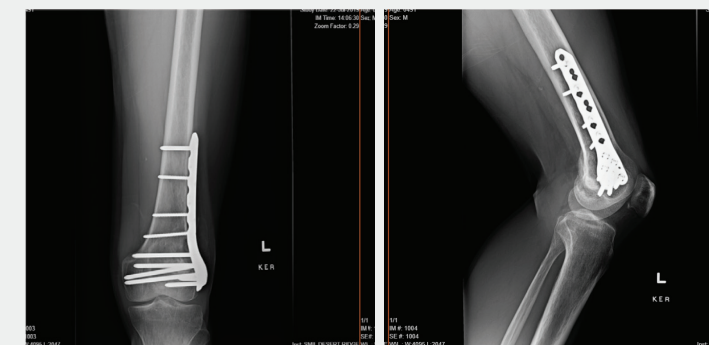
**6 weeks Post-op:** Degradation and resorption of CERAMENT®|BONE VOID FILLER starting from the periphery of the bone void.



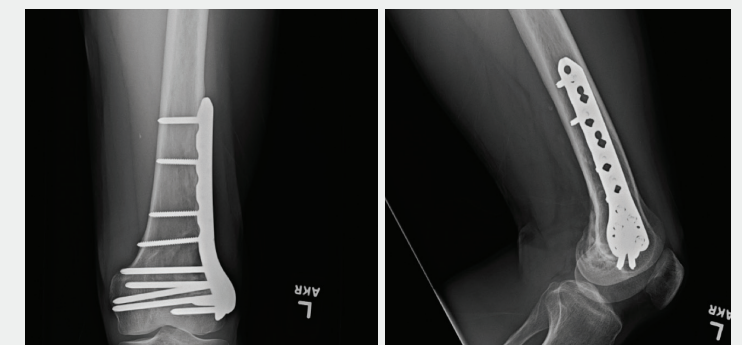
**10 weeks Post-op:** Evidence of CERAMENT®|BONE VOID FILLER remodeling into bone. Note the degradation and resorption of the bone graft substitute is in sync with generation of new bone.



**4 months Post-op:** On-going remodeling process of CERAMENT®|BONE VOID FILLER.



**7 months Post-op:** CERAMENT®|BONE VOID FILLER can no longer be distinguished anymore. The void is now almost completely filled with new trabeculated bone.



**1 year Post-op:** The void is now filled with new trabeculated bone.