

## Case Study

# Cartiva Revision with BioPro® First MPJ Hemi

### History

- 75-year-old female
- Diabetes (well controlled), Hypertension
- Severe unrelenting pain after one year of first metatarsophalangeal joint arthroplasty with Cartiva implant.

### Physical Examination

Physical examination revealed a well healed surgical scar on right first metatarsophalangeal joint. Severe pain on palpation and during range of motion was noted. There was less than 5 degrees of motion with severe pain, creating difficulty with ambulation and shoe wear.

### Radiographic Examination

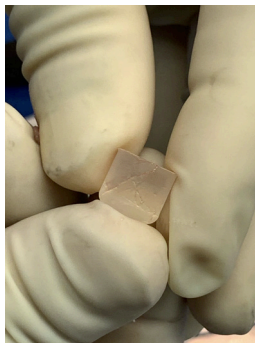
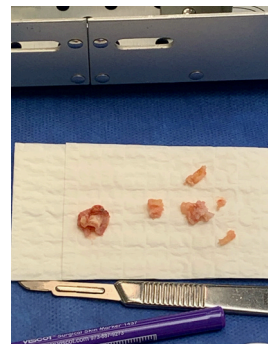
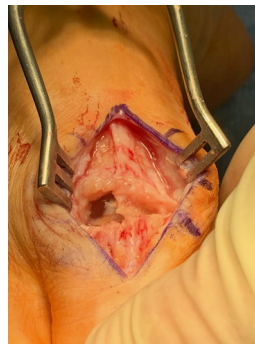
Radiographic examination revealed collapse of Cartiva implant, cystic changes can be seen; with severe asymmetrical narrowing of the joint. The patient was given the choice of first mpj arthrodesis or Hemiarthroplasty with the BioPro First MPJ Hemi.

### Surgical Notes

The subluxed Cartiva implant was removed, the void was filled with bone graft and slight remodeling of the metatarsal head was performed. A small portion (4-5mm) of the proximal phalanx was resected to allow for implantation of a BioPro Porous Coated First MPJ Hemi Implant.

### Follow-Up

The patient had an uneventful post-op course and her pain was completely resolved. Range of motion was approximately 20 degrees dorsiflexion and 5 degrees plantarflexion with no pain. At 1-year post-op the patient is very happy and could ambulate without any difficulty.



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