

i-FACTOR

Foot & Ankle Cases

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Presentation of 3 cases where we typically use i-FACTOR and strongly believe that it enhances bone healing

- Case # 1: Re-fusion after failed Lapidus procedure
- Case # 2: Total 1. MTP Arthroplasty revision
- Case # 3: Total Ankle Arthroplasty revision

Case # 1: 60 yr old female with non-union after Lapidus procedure (no problems with the distal osteotomy). Presented April 2012 with severe pain in the mid-foot and problems with weight-bearing.



Postoperative (3 weeks) X-ray from Oct. 2012. The pseudoarthrosis was revised, i-FACTOR applied (0.5 cc) and fixed with a small plate. The patient was non-weightbearing on a walker for 5 weeks.



X-ray in Dec. 2012. The patient was without pain and well mobilised.

(R)

Stående



X-ray (AP) from Dec. 2012. Fused Lapidus, good alignment, the Sesam-complex with good position, optimal IM-angle.



Case # 2: 55-year old female referred from another hospital. Primary operation with a Rota-glide MTP total arthroplasty in 2008. The patient complained of pain, swelling and problems with walking. (X-ray Jan. 2012)



Postoperative (3 weeks) X-ray from August 2012. The Rota-glide was removed and the bone prepared with drilling. A structural graft from calcaneus ("Haglund-graft") was used to restore length, i-FACTOR was applied and the fusion was fixed with a plate. She was mobilised in a postoperative shoe with full weightbearing.



7-weeks postoperative the patient was pain-free, mobilised with full weight bearing. The fusion was clinically completely fixed and without tenderness. X-ray showed the graft integrated and the fusion close to completely healed.



Case # 3: X-ray after first revision (May 2011) from a total ankle arthroplasty to a fusion (structural graft and fixation with compression screws)



After 1 year, the patient was still in pain. We suspected non-union and removed the screws, which unfortunately did not decrease pain. CT scan confirmed non-union.



Postoperative X-ray 3 and 9 weeks after revision surgery. During surgery i-FACTOR was applied around the structural graft and the arthrodesis was fixed with Tibial axis plates (Integra)



X-ray taken 3-months after revision surgery. The patient was pain free and walking in normal shoes.



Experience with i-FACTOR in advanced Foot and Ankle surgery

- Easy to apply
- Not “very expensive”
- A 0.5 cc Putty syringe should be used in fore-foot and mid-foot cases. A 1.0 cc Putty syringe or larger in hind foot and ankle cases
- Seems to optimize bony healing as showed in the “ spinal fusion study”
- We have not, in more than 40 cases, experienced side effects