

Mr Pillai, Consultant Orthopaedic Surgeon, recommends the use of the geko™ device following Scarf and Akin osteotomy to reduce post-operative swelling and promote functional activity.

Clinical Presentation

When I am presented with a patient with symptomatic hallux valgus a Scarf osteotomy is the desired surgical option.

Osteotomy Procedure

Immediately post-surgery, whilst the patient is in the recovery room, I apply the geko™ device to affected limb. Following the manufacturers IFU, I look for a minor visible movement of the muscles in the lower leg, moving the foot slightly outwards and upwards.

When the patient is ready to go home, they are trained to self-apply the geko™ and provided with sufficient devices for up to 7 days stimulation, and a protocol reducing wear time to just 6 hours per day. In my experience patients have been happy to self-apply in the home environment and have reported a quality experience.

Clinical Outcomes

Since using the geko™ device I have observed:

- Reduction in oedema / post-operative swelling
- Reduction in pain score
- Enhanced wound healing
- Earlier mobility with active range of movement due to reduced swelling



Scarf Osteotomy

Images from the patient Case Study¹



Picture 1 - day one



Picture 2 - day seven

Clinical Endorsement

I would offer the gekoTM device to my patients as it's the latest innovation for the reduction of post-operative swelling following a scarf osteotomy and to enhance DVT prophylaxis, and it is approved by NICE guidance⁵.

Case study references

1. Pillai A, Pickford N, Wainwright T, using the gekoTM device to prevent oedema and promote functional activity following foot surgery, case study 2 on file, Firstkind Limited, 2014.
2. Pillai A, Pickford N, Wainwright T, using the gekoTM device to prevent oedema and promote functional activity following foot surgery, case study 3 on file, Firstkind Limited, 2014.
3. Pillai A, Pickford N, Wainwright T, using the gekoTM device to prevent oedema and promote functional activity following foot surgery, case study 5 on file, Firstkind Limited, 2014.
4. Pillai A, Pickford N, Wainwright T, using the gekoTM device to prevent oedema and promote functional activity following foot surgery, case study 6 on file, Firstkind Limited, 2014.
5. NICE medical technologies guidance (MTG19). Published date: June 20 2014

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