Evidence in focus

Importance of debridement using the VERSAJET II Hydrosurgery System in treating a case of necrotising fasciitis of the foot

Plus points

Overview
- Case study of a 43-year-old woman with necrotising fasciitis of the foot requiring amputation and reconstructive surgery
  - Pain in the left foot at presentation with visible areas of black necrotic tissue
  - Necrotising fasciitis was diagnosed due to osteomyelitis in the first to fifth metatarsal heads, with accumulation of gas and pus from the dorsum of the foot to the ankle
- Amputation was performed at the metatarsal shafts with resection of skin that could cause impaired perfusion due to infection
- Emergency debridement of necrotic soft tissue, the extensor hallucis brevis and longus, and the extensor digitorum brevis and longus was performed using the VERSAJET II System

Results
- Use of the VERSAJET II System for this patient enabled efficient removal of necrotic tissue (Figure)
- Wound irrigation to manage infection (coagulase-negative staphylococci and Corynebacterium spp.), combined with selective debridement using the VERSAJET II System, helped to preserve the remaining limb
- After reconstructive surgery with a multiperforator anterolateral thigh flap, there was no flap necrosis and the patient was rehabilitated without wound complications

Conclusions
Use of the VERSAJET II System for emergency debridement in a case of necrotising fasciitis of the foot enabled efficient removal of necrotic tissue in preparation for successful reconstructive surgery.

Citation
Available at: Plastic and Reconstructive Surgery-Global Open

For detailed product information, including indications for use, contraindications, precautions and warnings, please consult the product's applicable Instructions for Use (IFU) prior to use.