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Introduction: Female patient, 88 years old, suffering from chronic myeloid leukemia (CML), poor nutritional status. Acute lower limb ischemia with diffuse necrosis of the left foot

Diagnosis: Acute ischemia of the left leg.

Recommended therapy: Surgical revascularisation, refused by the patient.

Medical therapy: anticoagulants, antibiotics



Treatment:

Debridement with proteolytic enzymes. Application of black polyurethane with honeycomb structure (15x15x1 cm) for 2 weeks. Disarticulation of the toes using motorless vacuum therapy (hand pump) at 60/80 mmHg for eight days. Followed by the application of white polyurethane dressings with honeycomb structure (15x15x1 cm), fixed with 300x5x0.3 cm white polyurethane bandage with honeycomb structure.

Result: Healing after 150 treatment days.

Materials used:

- Proteolytic enzymes (DIFFERENT TYPOLOGIES);
- Black polyurethane dressings with honeycomb structure (MOMOSAN), sterile 15x10x1cm;
- White polyurethane dressings with honeycomb structure (MOMOSAN), sterile 15x10x1cm;
- White polyurethane bandage with honeycomb structure (MOMOSAN), non-sterile 300x5x0.3cm;
- Motorless vacuum system with hand pump (Kit THE.S.I.S.)

DISCUSSION:

The clinical case described shows the critical aspect in connection with the severity of the ischaemic disease, the advanced age and the poor nutritional status, whilst emphasising the results achieved considering the refusal of the recommended surgical therapy. The results can be considered outstanding. Also, because they were achieved at the patient's home by a male nurse specialised in the area of wound care.

Considering the fact that the case was solved within a relatively short period of time, this report emphasises the significance of the use of polyurethane dressings with honeycomb structure (MOMOSAN), which can, compared to other aids, treat lesions with low costs.