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Mangement of a difficult -to -treat diabetic foot wound complicatted by osteomyelitis: A case study

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Diabetic ulcers are a major health issue worldwide, causing significant economic burdens and affecting both the patient and the society as a whole. Predisposing factors in diabetic patients known as the pathogenic triad, comprise trauma, ischemia and neuropathy. Regardless of the cause, correct diagnosis and prompt treatment are essential in the management of leg ulcers.

We report a case of a 51 year-old male patient, with a known history of type 2 diabetes who presented to our hospital with a history of two ulcers one that he was mainly complaining of, which was actively infected and located at the posterior part of the distal left leg, and the second, dry ulcer caused by unrecognized trauma, located on the heel of the same limb. Magnetic resonance imaging showed osteomyelitis and degenerative changes in the calcaneonavicular and tarsal joints. The patient underwent multiple sessions of excisional debridement. He was started on negative pressure wound therapy with some improvements. However, after skin graft failure, nanoflex powder was used, leading to complete wound closure within one month of treatment. A multidisciplinary holistic approach must be used when treating diabetic foot ulcers. Different modalities and sessions of debridement should be performed after optimizing the general condition of the patient.

Recent Publications

1. Dareen A AlMehman, Abrar S Faden, Badr M Aldahlawi, Mohammed S Bafail, Maram T Alkhatieb, Abdullah M Kaki. Post-amputation pain among lower limb amputees in a tertiary care hospital in Jeddah, Saudi Arabia: A retrospective study. *Saudi Med J*, 2022, 43(2):187-196
2. Abdullah Abdulaziz Almohammadi, Maryam Mohammed Alnashri, Rawan Abdulrahman T Harun, Sarah Mohammed Alsamiri, Maram Taha Alkhatieb. Pattern and type of amputation and mortality rate associated with diabetic foot in Jeddah, Saudi Arabia: A retrospective cohort study. *Ann Med Surg (Lond)*, 2021, 7(3):103-174
3. H S O Abduljabbar, M A Alkasih, S W Khayat, R M Qotbi, M T Alkhatieb, A H Abduljabbar. Screening of sexual dysfunction in Saudi women before and after the age of 40 years. *Clin Exp Obstet Gynecol*, 2016, 43(4): 526-528.

Biography

Maram Taha Alkhatieb is a Assistant Professor in General Surgery department at King Abdulaziz University, Saudi board certified on 2014-2015. He completed his Diabetic foot fellowship in Complutense university, Spain. Currently working as a Home Health Care Director at King Abdulaziz University Hospital beside his academic and clinical work.

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