

International Conference on

WOUND CARE, TISSUE REPAIR AND REGENERATIVE MEDICINE

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8th World Congress on**BREAST CANCER MANAGEMENT AND THERAPY** June 14-15, 2018 | London, UK

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Minimal invasive surgery in infected diabetic foot ulcer, a case study

Minimal invasive surgery (MIS) procedures are increasing in popularity because of its known reduced complications and faster recovery. The objective of this case study was to determine the outcome of infected diabetic foot ulcer (DFI) with MIS technique. A 65years old women with multiple comorbid presented with left great toe ulcer, Wagner stage 4 for three weeks. Examination revealed there was a necrotic patch at left great toe and lateral mid plantar subcutaneous infection with foul smelling pus noted. Advance neuropathy with feeble distal pulses were palpable. Blood investigation revealed high white blood cell and pus culture showed pseudomonas pathogen. X-ray of the left foot showed resorption at distal phalanx. Minimal opening via mid plantar of left foot was done for sinus tract exploration removal of flexor hallucis Longus tendon. Patient was initially on intravenous antibiotics and the subsequently switched to oral for four weeks. Additionally, patient was advised for total offloading of left foot for a month.

Serial tissue repair was done within the subcutaneous level until the wound closed assisted by MediAsia™ Home Offloading device. Subsequently she made full recovery within 2 months of follow up and discharged. This case demonstrates a classical presentation of infected diabetic foot ulcer which resolved quickly with minimal invasive surgery and supportive therapy.

Speaker Biography

Mogan Naidu graduated from AIMST University Malaysia with MBBS back in 2008. He then pursued his interest in Wound Healing and Tissue Repair in CMC Vellore South India, Orthopedics Department Hospital Taiping Malaysia, and mostly in his own founded Center MediAsia™ Advance Wound Dressing & Tissue Repair Center. Dr. Mogan, Founded MediAsia™ Orthotic and Prosthetic Center in 2013 which also engaged in researching and developing Affordable and reliable Foot Devices and Insoles to heal and Prevent Foot ulcers. He also established MediAsia™ Maggot (Larvae) Biotherapy Center and Diabetic Care Center in 2014 which is one of its kind in Malaysia. He is also the Founder and established The Malaysian Diabetic Limb Salvaging Society (MDLSS) since 2016.

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