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The latest multimodality management of diabetic foot wounds

Sangeetha Kalabhairav

Karnataka Institute of Medical Sciences, India

Diabetic foot ulcers (DFUs) are a serious complication of diabetes that results in significant morbidity and mortality. The lifetime risk of a person with diabetes developing foot ulceration is reported to be as high as 25% and a 50%–70% recurrence rate over the ensuing 5 years. Greater than 85% of major amputations in patients with diabetes are preceded by foot ulceration. Healing the diabetic foot ulcer has been a challenge. Over the past 20 years, significant research is done in this field of wound repair. The standard practices in DFU management include surgical debridement, dressings to facilitate a moist wound environment and exudate control, wound off-loading, vascular assessment, and infection and glycemic control. In addition to standard practices in DFU care, there are a wide range of agents available currently as adjuvant therapies. The adjuvant therapies include non-surgical debridement agents, dressings and topical agents, CO₂ laser, ultrasonic therapy, oxygen therapies, negative pressure wound therapy, hydrosurgery therapy, antibiotic beads, human growth factors, PHMB, acellular dermal matrix, lasers, split skin grafting with NPWT and many more.

Recent publications

1. Madhu BS, Shashikumar HB, Kalabhairav S, et al. Umbilical hernia factors affecting outcome. *J. Evolution Med. Dent. Sci.* 2016;5(71):5186-5189.
2. Moore TC, Siderys H. The use of pliable plastics in the repair of abdominal wall defects. *Ann Surg* 1955;142(6):973-9.
3. Arroyo A, Garcia P, Perez F, et al. Randomized clinical trial comparing suture and mesh repair of umbilical hernia in adults. *Br J Surg* 2001;88(10):1321-3.

Speaker Biography

Sangeetha Kalabhairav has MBBS from BMCH, Rajiv Gandhi University of Health Sciences, Karnataka, India. M.S (Gen Surgery) from Mysore Medical college and Research Institute, Mysore, Rajiv Gandhi University of Health Sciences, Karnataka, India. FDFS (Fellowship in Diabetic Foot Surgery) from Maharashtra University of Health Sciences, Mumbai, India. Sangeetha presented in ASICON, KSCASI, DFSICON and Swasthyacon conference under award category, participated as a panelist in IPACON, international webinars and diabetic foot meetings. Sub investigator in major national level clinical trial. Published original articles in journals as well magazine. Member of several associations – IMA, ASI, KSCASI, DFSI, IPA, Nail Society of India.

e: sangondkar@gmail.com