Efficacy of Collagen and Glycerine Based Lotion in Treating Diabetic Skin Disorders in Two Wound Care Units

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Introduction

• Diabetes Mellitus is becoming an epidemic with 20% of the population having the disease. One of the diabetic complications is diabetic skin disorders or diabetic dermopathy.
• Patients develop dry skin, hyperpigmentation, skin thickening and other disorders.
• Therefore, these skin disorders have to be managed well to prevent further complications such as infection and etc.
• A total of 10 cases (6 from Kuala Lumpur Hospital and 4 from Putra Jaya Hospital) with skin changes or disorders were chosen.

Methodology

• All the 10 patients in the two wound clinics were given the collagen and glycerine based lotion to be applied daily on the legs.
• The patients were taught the proper technique to apply two drops of the lotion on each leg daily and they were given specific appointments to assess their skin changes.
• These cases included post scalding injury, ulcer, scar tissue, trophic changes, wrinkling, hyperpigmentation, dry skin and other dermopathic changes.
• Changes were noted and digital photographs were taken.

Results

• The results were quite remarkable as there was improvement in the skin changes.
• The wrinkling improved. The dry skin was much more moist. There was rejuvenation of the environment. Callous and hyperpigmented skin improved as shown by the photographs below.

Conclusion

The collagen and glycerine based lotion is effective in the management of skin changes due to Diabetes Mellitus. The lotion helps to exact changes in the skin by moisturizing the skin with the glycerine, clearing wrinkles and rejuvenating the skin environment with the help of the modified collagen. It is a good way to manage dermopathy caused by Diabetes Mellitus.

References: Harikrishna K.R.Nair, Compendium of Wound Care Dressings in Malaysia Vol 1 2012