

# CONVENTIONAL WOUND CONTACT DRESSING VERSUS ADVANCED WOUND DRESSING IN MANAGING DIABETIC FOOT ULCER IN DISTRICT SETUP

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## INTRODUCTION:

Diabetic foot ulcer is the complications of long standing diabetes mellitus often appear in the foot, causing chronic disability<sup>1</sup>. It can be defined as infection, ulceration or destruction of tissue of the foot associated with neuropathy and/or peripheral arterial disease of people with diabetes mellitus<sup>2</sup>. Global prevalence of diabetes among adult of above 18 years of age has risen from 4.7 % ( 108 million ) in 1980 to 8.5 % ( 422 million ) in 2014. Diabetic foot requires careful attention and optimal management to reduce incidence of morbidities include major limb amputation.

## METHODS:

Diabetic mellitus type II patients that complicated with diabetic foot ulcer under Hospital Kuala Kubu Bharu follow up was selected and classified by diabetic ulcer severity score (DUSS). Ten patient were selected and divided into 2 groups. Conventional basic wound contact dressing ( normal saline and gauze) versus advanced wound dressing ( Hydrogel , Mapilex foam and Hydrocyn ).

## RESULTS:

Patient treated by using advance wound dressing give excellent result as compared to group of patient treated with conventional basic wound contact dressing. Incidence of complication in treating diabetic foot ulcer was higher in group treated with basic wound contact dressing.

## DISCUSSIONS:

Advanced wound dressing by using hydrogel, mapilex and hydrocyn can give better result compared to basic wound contact dressing. Thus presence of advance material eccelerate the healing process in DFU such as Hydrogel, Mapilex, and Hydrocyn will absorb fluid, hydrate wound bed, cooling of the wound surface and futhermore act as pain control.

## CONCLUSION:

Advanced wound dressing give excellent wound healing compared to a basic conventional wound contact dressing.

## REFERENCES:

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2. Clinical practice guidelines; Management of diabetic foot ulcer ( second edition).
3. National Institute for Health and Care Excellence. Medical Technologies Guidance: VibraTip for testing vibration perception to detect diabetic peripheral neuropathy; 2014.