

TREATING CHRONIC WOUNDS WITH NON-SILVER ANTIMICROBIAL DRESSINGS: A CASE REPORT USING ACTIVATED CARBON CLOTH (ACC) AS MODERN WOUND DRESSINGS

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INTRODUCTION:

Chronic wounds create substantial economic burden to healthcare system around the globe. According to NHS data, chronic wounds have a prevalence of 6% and costs at least 5.5% of NHS expenditure.¹ Management of chronic wound requires effective modern dressings so that overall health care cost and workload of health care providers can be reduced.

METHODS:

We present a 55-year-old Malay lady with bilateral chronic foot ulcers for 5 months, patient has hypertension and poorly controlled DM, Ray amputation was performed during April 2018 (4 toes on right foot; 2 toes on left foot). Wound debridement done on 18/9/18, right foot wound (6x4.5cm) was managed with EOD dressing with super-oxidized solution whereas left foot wounds (Medial side: 5.5x10.5cm, Lateral side: 5.0x6.0cm) were treated with ACC dressing (once per week dressing).

RESULTS:

Three months later, right foot wound was nearly healed (0.5x0.5cm) whereas both wounds on left foot were reduced to 1.5x2.5cm. During this period, the sugar control was well controlled. Both extremities' wounds showed excellent healing and patient is satisfied with outcome.



Figure 1: Baseline of left foot wounds (Left: lateral side; Right: medial side)



FIGURE 2: Three months later

DISCUSSIONS:

ACC dressing is a safe antimicrobial dressing which kills bacteria via electrostatic forces, and promotes healing via its conductivity. It regulates proteases, which level is uncontrolled in chronic wounds. It is ideal for odour control and can be placed up to 7 days.²

CONCLUSION:

ACC dressing has achieved cost effective wound management and able to reduce visits of patient and workload of health care providers.

REFERENCES:

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