

# THE USAGE OF ACTIVATED CARBON CLOTH (ZORFLEX) IN A MULTIPLE COMORBID CHRONIC WOUND PATIENT: A CASE STUDY

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## INTRODUCTION

Chronic wounds represent a major health burden worldwide. Patients with chronic wounds may experience chronic pain, loss of function, increased social stress, depression, anxiety, prolonged hospitalization and increased financial burden. Thus, it is our duty to look into this matter seriously.

## MATERIALS & METHODS:

A 66 year-old gentleman admitted to hospital with underlying hypertension, Ischemic heart disease, dyslipidaemia and chronic kidney disease; complained of non healing left foot ulcer for the past three weeks. Symptom was not improved even after a week of antibiotic prior to admission. A thorough wound debridement has performed follow by the modern dressing Activated carbon cloth (ACC). The wound was monitor weekly regarding the tissue condition, wound size, exudate level and malodour incidence.

## RESULTS

Weekly wound inspection, showed the tissue condition improving, wound size and exudate level decreasing. There is no malodour incidence reported.



Figure 1: Initial wound on admission.



Figure 2: Wound after 3 weeks.



Figure 3: Wound after 6 weeks.

## DISCUSSION

Modern wound dressing have been developed to facilitate the function of the wound rather than just to cover it. These dressings are focused to promote wound healing. Activated carbon cloth (ACC) has been used as an anti-odour component in wound dressings. The key innovation behind Zorflex activated carbon cloth is the recent discovery that, when in direct contact with the wound bed, it helps significantly accelerate wound healing, attracting the microbes from the wound bed to the activated carbon cloth, trapping and killing them. This makes Zorflex a highly adsorbent dressing and effectively allows Zorflex to 'clean' the wound bed of micro-organisms and create favourable conditions for healing, helping to significantly accelerate wound healing.

## CONCLUSION

Currently more than 3000 types of dressings are available in the market making the physician to address all aspects of wound care. Zorflex activated carbon cloth is one of the products that heal chronic wounds like venous leg ulcers, diabetic wound and pressure ulcers which often fail to achieve complete healing. Hence developing a dressing material that addresses the major interfering factors of normal healing process will help patients and wound care practitioners largely.

## REFERENCES

1. Selvaraj Dhivya, Wound dressings – a review, BioMedicine (ISSN 2211-8039). December 2015, Vol. 5, No. 4, Article 4.