



Clinical Case Study

Lothian™ - Dynamic Mattress

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INTRODUCTION AND AIMS

The purpose of creating this document, as always is to assist with future education. However, a task to create a supervised overview of a complex clinical case, involving a patient suffering from multiple grade IV pressure ulcers is an assisted aim.

As we are all aware, there are many variations of pressure reducing and relieving devices available on the market today. With most systems, the manufacturer usually claims to have performances that are often better than that of their competitors or has features that enhance performance. This document substantiates that on this occasion, not all systems performed with the same outcome, when combined with holistic clinical care, when combined with appropriate dressings.

The particular patient used during this clinical case study is an 85 year old lady with a history of ischaemic heart disease and diabetes, and is nursed in a local nursing home.

She is immobile, doubly incontinent and has a poor nutritional intake.

The patient has involvement of the multidisciplinary team including the dieticians and the Tissue Viability Service.

She developed x 2 grade 4 (EPUAP) pressure ulcers and a very high risk dynamic mattress (from a market leading brand – details of which could be provided via the clinician direct as required) was implemented by the nursing home staff.

The initial wound assessment also highlighted incontinence dermatitis and a suitable dressing and skin cleansing regime was implemented. The patient however found the mattress uncomfortable and the pump noisy, thus disturbing her sleep quality.

The nursing home had also implemented the S.S.K.I.N. bundle ensuring that skin integrity checklists were completed along with repositioning and all documentation.



FIRST VISIT



Due to the patient stating that she found the mattress uncomfortable and noisy, the Herida Healthcare Lothian™ dynamic mattress was implemented immediately.

THIRD VISIT 4 WEEKS LATER



SUMMARY

The purpose of creating this document, as always is to assist with future education. However, a task to create a sThe pressure ulcer improved with a combination of appropriate wound care products (dressings etc.), repositioning, the Herida Lothian™ dynamic mattress and accurate documentation, combined with clinical supervision.

Mrs Jones reported that she found the Herida Lothian™ dynamic mattress very comfortable and the clinical outcome showed improvement in wound healing combined with a good nutritional intake, management of incontinence and suitable repositioning.

SECOND VISIT 4 WEEKS LATER



As expected the true extent of the pressure ulcers became apparent, with moisture also being a contributory factor to manage. The care involved a combination of sharp and autolytic debridement, suitable wound care products combined with a strict repositioning regime. The nutritional state of the patient improved and her blood sugars were stable. Her sleep pattern also improved with the implementation of the much quieter Herida Lothian™ dynamic mattress.