

Person-Centered Care: The Introduction of TurnCair 1000 to Improve Outcomes for a Patient and Staff.



Enhanced dignity for the patient



Reduced staff required for manual handling by **50%**



Earlier rehabilitation to facilitate faster discharge

Introduction

In 2020, Patient J was admitted to hospital following a fall. Patient J is a 60 year old female, weighing 139kg with complex comorbidities including:

- a large abdominal incisional hernia
- cellulitis
- catheter in situ
- incontinent of faeces
- restricted mobility
- inability to use left hip and right leg due to the previous fall

After a discharge from an acute hospital in 2021, Patient J has been nursed in community care for rehabilitation. Due to Patient J's morphology, specialist bariatric equipment was required to assist Patient J to mobilise effectively and to enable staff to care for Patient J safely in-and-out of bed activities.



Clinical Challenges

A previous supplier provided a bariatric bed and mattress into the care home where Patient J was residing. This bed was unfortunately too wide and staff noted it restricted Patient J's mobilisation as she was unable to reach the side rails to assist with self-repositioning. As Patient J was unable to self-reposition, she was dependent on caregivers. This proved difficult as Patient J had to be positioned on her hernia to facilitate moving and repositioning. This caused distress and discomfort for Patient J, in addition to exacerbating frictional and shear forces and overall created an undignified procedure.

Kathryn, an OT involved in Patient J's care, commented on the challenges and stated:

“The level of manual handling required was at an unreasonable level placing all staff at risk of injuries and therapists had to recommend use of **four members of staff** to minimise the risks. Staff were unable to turn Patient J without reaching out of their base of support, and had to kneel on the mattress to reduce strain on them.”

Slide sheets were introduced to Patient J's repositioning regime, however, this caused further distress to Patient J as she commented they were “hot and sweaty”. During this time, Patient J unfortunately developed a Category II pressure ulcer to the buttocks due to frictional and shearing forces, coupled with the microclimate issues.

Introduction of Medstrom's TurnCair 1000 and MMO 8000

Due to the challenges with previous equipment, staff began looking at alternative devices to assist with the rehabilitation of Patient J. As a specialist bariatric solutions provider, Medstrom were contacted to advise on suitable products. After understanding the challenges for both the patient and staff, Medstrom's Bariatric Product Specialist advised on the TurnCair 1000 and MMO 8000.

The TurnCair 1000 low air loss bariatric mattress providing a high specification of support surface for pressure redistribution, plus a TurnAssist feature that enables safe and dignified handling of patients. The MMO 8000 is a versatile, ultra-low hospital bed for plus-size patients which offers effective solutions for safe mobilisation.

After training and support from Medstrom's Bariatric Product Specialist, staff found instant benefits with the new equipment. Kathryn commented:

"Immediately, the **level of manual handling reduced significantly** and Patient J was able to participate in rolling by reaching the bed side rails and turning herself. Patient J was also able to roll with **minimal assistance of just two members of staff** as opposed to maximum assistance of four members of staff with the previous equipment. Due to the minimal handling, **Patient J was in less pain and discomfort** and we were able to **promote more dignity**".

Patient J became fully compliant with care after the introduction of TurnCair 1000 and MMO 8000. Commenting on the difference in equipment, Patient J stated she was "more comfortable" on the new products and felt "increased dignity" with less pushing and pulling as the mattress enabled staff to turn and mobilise her easier. The bed frame and its ultra-low height coupled with the stability of the TurnCair 1000 also enabled Patient J to get her feet on the floor and sit in a chair more frequently. This was not achieved with the previous equipment and became a significant step forward in Patient J's rehabilitation. There was also a notable difference in existing skin damage that improved since the introduction of TurnCair 1000, and Patient J commented she felt cooler and sweated less due to the mechanism of low air loss and the micro-circulation of air underneath the cover.

Summary

Overall, the bed and mattress combination supplied by Medstrom proved successful and achieved various benefits for both patients and staff. Fundamentally, staff now believe Patient J will be discharged home sooner. Kathryn commented:

"Prior to the Medstrom equipment, we were unsure if it would have been viable for Patient J to go home given level of care support not being feasible in the community. **The addition of the turning mattress has made it possible for Patient J to go home and have carer support.**"

Finally, the level of clinical support and service from Medstrom had also been highlighted, with staff commenting:

"Support from Medstrom's Bariatric Product Specialist has been **outstanding** and has made process of introducing new equipment to care staff **less problematic and more successful than previous equipment provisions** for Patient J".

To discover more about Medstrom's range of solutions for dignified plus-size patient care and enhanced support for caregivers, contact Medstrom's Bariatric Product Specialists 24/7/365 on:

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