TurnCair
Low Air Loss Surface
with Turn Assist
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The Medstrom TurnCair system is a low air loss surface providing skin management therapies suitable for both the treatment of existing pressure ulcers category I-IV as well as for patients who have been assessed to be at the risk of the complications of immobility.

Safer Manual Handling

Each year in the UK, over 80,000 nurses injure their backs at work and 3,600 healthcare workers are forced to retire early. Across the healthcare sector, these injuries account for over a quarter of all reported injuries to employees. The annual cost to the NHS of staff sickness, absence, and wasted training is around £400 million.

The TurnCair control unit combines pressure redistribution with a turn assist feature to offer unique manual handling benefits to improve safe patient handling, thereby reducing the risks of musculoskeletal injuries in caregivers.

Turn Assist

This feature provides a range of turn time and angle settings to help caregivers turn a patient from side to side with no manual intervention.

- ¼, ½, ¾, and full turn angles
- 10, 20, 30 and 60-minute turn cycles
- Left, right and both side turn options
- Turn ‘Hold’ function

This facilitates easy manual handling by caregivers for personal care, easy changing of linens, inserting slide sheets and positional changes that can be carried out by one nurse.

The autofirm feature also assists patients and caregivers during patient transfer and treatment. Side bolsters can be inflated to support the patient during the turn.

Continuous Lateral Rotation

The lateral rotation feature also offers benefits for patients who are immobile and at an increased risk of associated respiratory complications. The gentle timed rotational cycle is easily tolerated and will mobilise secretions, preventing them from pooling and becoming a focus for infection. In patients with existing respiratory conditions the rotational cycle will help to promote pulmonary drainage and help to improve outcomes. This treatment is also appropriate for those who need mechanical ventilation and will play a part in the prevention of ventilator-associated pneumonia. Rotation can be achieved both in the supine position and the semi-recumbent position, ensuring comfort at all times, even during treatment.

Pressure Redistribution through Low Air Loss

The TurnCair therapy surface is divided into three distinct zones: head, torso and foot. Each zone is adjusted to ensure optimal pressure redistribution and provide a comfortable sleeping surface.

TurnCair provides maximum pressure redistribution:

- Includes 20 dual-chambered therapy cells with 20cm deep construction
- The low air loss design delivers a specific amount of air to each therapy cell and allows a controlled amount of air to escape, allowing pressure redistribution based on patient size, weight and position
• Equalises the pressure between the patient and the therapy cells, distributing the patient’s body weight evenly over a large surface area, resulting in a reduction in overall contact pressures

• The turn facility will also allow positional changes to offload pressure from specific areas, and if used overnight could facilitate hands-off turns for specific patients

Moisture Control

Patients are at risk of skin maceration if excess moisture from perspiration is permitted to accumulate beneath the patient.

On the TurnCair, moisture is controlled via the moisture vapour permeable cover, minimising heat build-up and subsequent sweating.

Specialist Product Rental Solution

In addition to capital purchase options, TurnCair is available to rent, offering flexible, cost-effective options and a number of benefits including:

• Fast response and delivery

• 24/7/365 call centre

• 24-hour clinical support from our team of Clinical Nurse Advisors

• Every product is delivered thoroughly decontaminated and is function and safety tested

• Installation and ward staff product training is supplied by Medstrom technicians who are City & Guilds qualified and DBS checked

• On-going training is supplied by our Clinical Nurse Advisors post-patient placement and throughout the product’s use to ensure desired clinical outcomes are being achieved

• We offer a range of flexible financing options from daily rental to long term fixed period rental
TurnCair Features and Benefits

Left, right and both side turn options with hold function. ¼, ½, ¾ and “full” turn. 10, 20, 30 and 60-minute turn cycles. Simple, intuitive therapy control unit controls. Turn, Autofirm and Static operating modes. The control panel locks out after five minutes to ensure patient settings are not changed accidentally.

Side bolsters support the patient during the turn. Lateral deflation creates a ‘down and in’ turn enhancing safety and a sense of security for the patient whilst maintaining full recruitment of the chest.

TurnCair is divided into three anatomical zones; head, torso and foot, ensuring even weight distribution for all body areas. 20 individual therapy cells with 20cm deep construction help to evenly distribute the patient’s weight.

Rapid CPR deflate in less than 30 seconds by disconnecting the hose from the control unit.

Technical Specification

Maximum mattress weight capacity*: 227kg (36st)
Mattress dimensions: 91cm (36”) W x 200cm (80”) L x 25cm (10”) D
Modes: Autofirm, turn, static (with eight settings from soft to firm)

Turn angles: ¼, ½, ¾, full
Turn cycles: 10, 20, 30, 60 minutes
Turn options: Left, right, both, none
Available for capital purchase and rental.

*Includes weight of patient, bedding, accessories etc.

References


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