

Pressure Area Care
QUATTRO® Therapy Mattress Systems
...safe, effective, harm free care



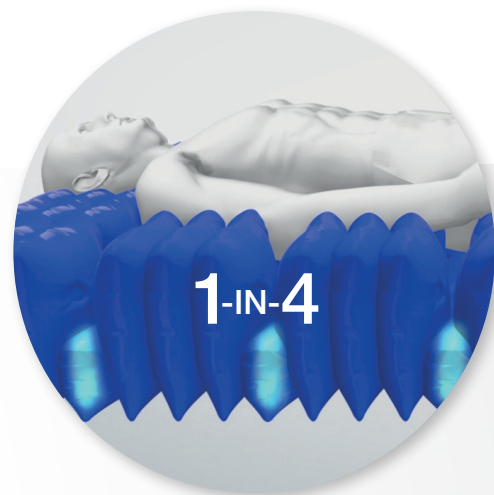
Consistently shown to help reduce pressure ulcer incidence^{1,2,3,4}

“ Since implementing the care-bundle across the Trust, hospital acquired pressure ulcer incidence has reduced by over 80%.¹

Data collected in the 12 months post adoption of the care-bundle demonstrates a 94% reduction in monthly pressure ulcer incidence.²

As a direct result of the initiatives implemented by the tissue viability team there was an 84% reduction in pressure ulcer incidence over a 3-year period. This equated to a cost saving of £408,000 per annum.³

Within the past 3 years there has been a 61% reduction in the incidence of hospital acquired pressure ulcers.⁴



ACTIVE 1-IN-4 CELL CYCLE

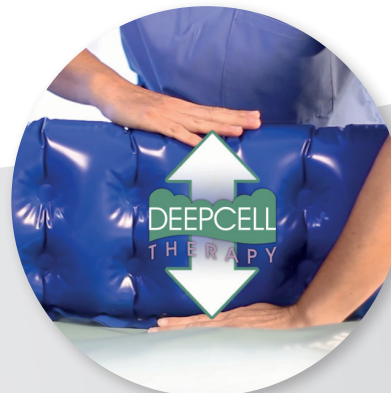
The active 1-in-4 cell cycle supports 75% of the patient's body at all times, on groups of three inflated cells, whilst the fourth cell deflates sufficiently to redistribute the pressure and encourage tissue reperfusion.

Additional benefits include enhanced patient comfort, less awareness of support surface movement and a reduction of stimulus-related complications such as muscle spasm.



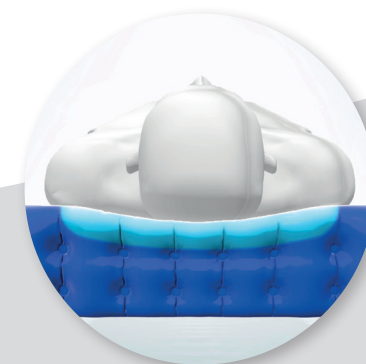
TISSUEGARD™

TISSUEGard enables the partial immersion and envelopment of the patient into the support surface, reducing the pressure on the patient's skin and decreasing the pressure differential between inflated and deflated cells, which helps reduce tissue strain and associated shearing forces.



DEEP CELL THERAPY™

DEEP CELL THERAPY allows the cells of the QUATTRO Acute to run at lower internal pressures. This minimises the pressure applied to the patients skin and subcutaneous tissues during the cycle.



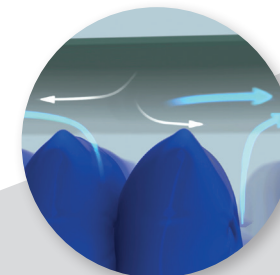
ORTHO-DIFFERENTIAL SUPPORT™

ODS results in firmer outer edges of the mattress which facilitate patient transfers and provide extra support, safety and comfort for larger or heavier patients. It also creates a softer central area of the mattress, ideal for smaller, lighter patients.



MULTI-STRETCH COVER

The multi-stretch cover promotes tissue offloading during cell deflation and reduces shear and friction during patient movement or manual repositioning. The material is waterproof, moisture-vapour permeable and all seams are welded to protect the inside of the mattress from fluid ingress.



MICROCLIMATE MANAGEMENT

The waterproof, moisture-vapour permeable properties of the multi-stretch cover, combined with a low-air-loss feature within the mattress, helps manage the skin 'microclimate' between the patient and support surface.



FULLY LAUNDERABLE

QUATTRO Acute and Plus are fully launderable to help reduce the risk of infection and / or cross contamination to its lowest practical level.

QUATTRO ACUTE CARE SYSTEM

The QUATTRO Acute is unique in offering DEEP CELL THERAPY and this top of the range support surface is ideal for your most dependent patients.



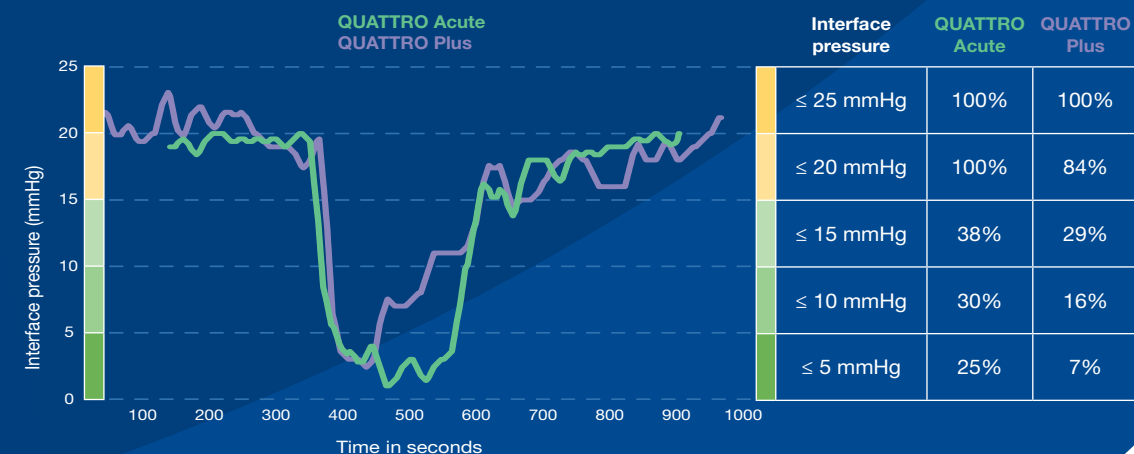
QUATTRO PLUS CARE SYSTEM

Suitable for all patient types, the QUATTRO Plus has the option of attaching an active seat cushion for 24-hour, round the clock care.



Pressure Relief Index

Interface pressure testing performed in accordance with the proposed S3i test protocol⁵ clearly demonstrates low interface pressures during active therapy. The unique DEEP CELL THERAPY used in QUATTRO Acute is a key factor in the exceptional offloading capability of this mattress.



The QUATTRO Acute and QUATTRO Plus Care Systems combine an active 1-in-4 cell cycle, with TISSUEgard, Ortho-differential support and a multi-stretch cover. This results in significant periods of tissue offloading during each cycle and provides patients with OPTIMAL PRESSURE RELIEF.

Positive product feedback

- ▶ **QUATTRO Therapy Systems offer excellent levels of clinical and cost-effectiveness, straightforward to set up and use, the products are very well liked by both staff and patients.¹**
- ▶ **Staff reported the following benefits when using QUATTRO Therapy Systems:¹**
 - significant improvement in patient comfort
 - requires less user input for correct system set up and operation
 - improved staff concordance with mattress allocation due to user friendly system
 - easy to decontaminate, service and maintain
- ▶ **Staff feedback on the QUATTRO Therapy System was very positive:²**
 - 93% stated the mattress was effective / very effective at maintaining patients' skin integrity
 - 79% reported the mattress was easy / very easy to set up on a bed frame and connect ready for use
 - over 90% rated patient comfort, concordance with treatment and product reliability as good / very good
 - 71% said the system was easy / very easy to use
 - 86% rated the mattress overall as good / excellent / exceptional
- ▶ **Patient satisfaction has increased and patients regularly report increased comfort and a reduction in noise level compared to the previous dynamic mattress.²**
- ▶ **The QUATTRO systems get heavy use within the Trust yet they continue to provide consistent clinical performance and reliability. This leads to staff having very high levels of confidence in the products.⁴**

REFERENCES

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- 2 Heywood N, Arrowsmith M, Poppleston A, Povey A. Reducing the incidence of hospital acquired pressure ulcers. European Wound Management Association Conference, London 2015. Poster Presentation.
- 3 Bullough L. Using the QUATTRO Plus mattress as part of a comprehensive care package to help reduce pressure ulcer incidence. 2014. Data on File. Talley Group. Romsey.
- 4 Young L. Clinical experiences of using the QUATTRO Plus mattress replacement system in a busy NHS Foundation Trust over a six year period. 2014. Data on File. Talley Group. Romsey.
- 5 Tissue Viability Society. Laboratory measurement of the interface pressures applied by active therapy support surfaces: A consensus document. J Tissue Viability. 2010 Feb;19(1):2-6.



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