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THE EVERYDAY PROBLEM FOR NURSES AND PATIENTS...

The **burden of** *pressure* and the dent it puts in every nurse's care-giving ability is

something which every nursing staff is familiar with. Unrelieved pressure for as little as *2 hours* can harm your patient by causing permanent tissue injury and subsequent tissue death₍₁₎.

• Heel Facts

•Heel pressure ulcers account for **30.3%** of total pressure ulcers and are the second most common site for skin breakdown₍₂₎ • Healing times for heel ulcers are **very long**, in many cases lasting over a year₍₃₎ • 11% of patients with ischaemic heel ulcers and gangrene have required **amputation**₍₄₎.



"Owing to the unique anatomy of the heel and impaired ability to reperfuse, the heel is a common site for deep tissue pressure ulcers"

...THE SOLUTION?

MediGel can reduce the amount of pressure your patient is exposed to along with reducing the need for frequent repositioning of the patient due to its **pressure redistributing qualities.**



1. Visco-Elasticated Foam

Strong evidence from EPUAP supports the fact that an individual should be repositioned with **greater frequency** on a nonpressure-redistributing mattress than on a **viscoelastic foam mattress**₍₆₎.



How Does Our Foam Work?

The industry leading, temperature-sensitive visco-elastic foam within the **MediGel** moulds to the exact contours of the body, actively **re-distributing** the patient's **weight and pressure**. This pressure-redistribution almost **doubles the surface contact area**, thus greatly **reducing interface pressures**.

"An individual should be repositioned with greater frequency on a nonpressure-redistributing mattress than on a pressure redistributing viscoelastic foam mattress."

2. Gel Therapy for Heels

• What MediGel Heel Therapy can do for Heel Pressure



When perpendicular pressure is applied to the walls of the **MediGel**, the cubes **buckle under pressure** as they bend outwards. Pressure is dissipated so it **reduces rather than builds** up as with springs or high rebound foams.

MediGel has been proven to reduce pressure intensity⁽⁷⁾.

• What MediGel Heel Therapy can do for Microclimate

The human body is very sensitive to temperature change. An increase of just 2 or 3 degrees Fahrenheit can cause **overheating and perspiration**.

Maintaining an ideal microclimate at the heels is a key indicator of the ability of the skin and underlying soft tissue to **withstand prolonged pressure**. Directly improving the environment at the skin surface of the heels **will directly affect** the risk of pressure ulcer development⁽⁸⁾.



Now, the revolutionary designed MediGel with integrated heel section helps combat excess heat and humidity by reducing temperatures in the heels by up to 3 degrees Fahrenheit(9).

The Cooling Effect of the Gel Cubes



3. MediGel Cover

- Cover is multi-stretch polyurethane, and positively helps to reduce shear and friction forces, and dissipates heat and moisture
- 10,000ppm chlorine resistant
- Avoids a 'hammock effect' (see below) •
- The only fire retardant cover currently available in the world which • is Oeko-Tex Class 1
- Hydrolysis resistance 1 year + •
- High weld strength performance •
- Zip cover also has a toughened PU anti-slip coated base

I. Technical Specifications

- Fire Retardancy : Foam & filings are in compliance with S.I. 1324 (crib 5 source 5 (I.S. 419)
- Finished Product Retardancy: Finished Product is compliant with B.S.7177 (Mattress Medium) – Hazard 0,1 + 5
- Long Term Performance : Lost less than 8% of hardness after 10 years stimulated rigorous hospital use and durability (120,000 cycles)
- User Weight Limit : 22 Stone
- Warranty: 5 Years. Copy of warranty upon request
- Quality : Manufactured under ISO9002 accreditation and is registered as a Class 1 CE medical product
- Dimensions : Standard 198x86x15cm
- Products can be manufactured to your dimensions

References

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