

PARAFRICTA™ FRAGILE SKIN SYSTEM

SKIN INTEGRITY PRODUCTS

Ensuring Comfort and Care



Pressure ulceration in elderly patients is associated with a fivefold increase in mortality. There is an established relationship between friction and shearing forces and the development of pressure ulcers, particularly in elderly or disabled patients as they often cannot reposition themselves when their physical condition becomes limited and a reduced amount of elastin in the skin predisposes them to the adverse effects of shear.

Shear forces occur when a part of the body tries to move, but the surface skin remains fixed. Shear force is generated by the motion of bone and subcutaneous tissue relative to the skin, which is restrained from moving as a result of frictional forces (for example, when a seated patient slides down a chair or when the head of a bed is raised more than 30 degrees)

Shear damages the tissue layers that slide against each other and the underlying blood vessels and the pressure needed to occlude the blood vessels is greatly reduced. Therefore, when combined with gravity and/or force (pressure), friction causes shear, and the outcome can be more devastating than pressure alone.

Friction forces occur when the shearing forces increases sufficiently and the body is no longer able to overcome its resistance to the force. Friction opposes the movement of one surface against another and is the body's resistance to movement which can cause abrasion. Such forces occur, for example, when a patient is dragged across a bed sheet or as a result of an ill-fitting prosthetic device or footwear.

Recognising that if shearing potential is recognised and removed, the potential of pressure damage will be decreased, MacMed Healthcare have introduced the Parafriкта™ range of products that provide significant benefits in protection of skin integrity, avoidance of friction and shear, retention of wound dressings, quality of sleep and patient comfort.



LINEN

PARAFRICTA™ MOBILITY ASSIST SHEET

The Parafriicta™ Mobility Assist Sheet is for individuals with limited mobility to use on a single mattress bed. Moving and turning in bed is much easier as the trunk of the body is in contact with the low friction patch and the feet can use the cotton part to pivot.



PARAFRICTA™ FITTED BEDSHEET

The fitted Parafriicta™ Bedsheet provides protection to areas of the body, legs and feet where the skin is compromised or wound dressings may be lost due to friction. This bottom bedsheet is fitted and designed for a standard single bed mattress.



PARAFRICTA™ PILLOWCASE

The Parafriicta™ Pillowcase protects damaged and delicate skin against further trauma where the skin on the face, ears or head is compromised or wound dressings may be lost due to friction.



INCONTINENCE AND SKIN DAMAGE

Sodden skin has greater adhesion and is at greater risk of frictional or shearing damage. An excessively moist environment caused, for example, by perspiration, urinary or faecal incontinence, or excessive wound drainage increases the deleterious effects of pressure, friction

and shear. A moist environment also causes maceration of the surrounding skin, which compounds these factors. Friction and moisture exert their greatest effects in areas of high pressure: the effects of friction are up to five times worse if moisture is present.

UNDERGARMENTS

PARAFRICTA™ UNDERGARMENT (BOXER STYLE)

The ParafriCTa™ Undergarment protects skin and wound dressings in the sacral and hip area from trauma due to friction and shear.



PARAFRICTA™ UNDERGARMENT (PULL ON)

The ParafriCTa™ Undergarment protects skin and wound dressings in the sacral and hip area from trauma due to friction and shear.



PARAFRICTA™ UNDERGARMENT (VELCRO CLOSURE)

The ParafriCTa™ Undergarment protects skin and wound dressings in the sacral and hip area from trauma due to friction and shear. The ParafriCTa™ undergarment can be opened fully, allowing it to be slipped under the body and then closed using the Velcro closures.



FEET

Wounds on the feet are often difficult to heal for a variety of reasons. One difficulty is wound dressings on the foot, especially the heel, can be lost due to friction. This can cause problems when the wound is exposed - such as further damage to the wound healing at the wound periphery, potential infection, the cost and time associated with having to replace the dressing etc.

BOOTEE SLIP-ON

The ParafriCTa™ Bootee is for feet that are swollen or bandaged. Protects against skin breakdown due to friction and trauma. It also protects wound dressings on the foot, especially the heel, from being lost due to friction.



BOOTEE VELCRO CLOSURE

The ParafriCTa™ Velcro Closure Bootee is for people who need the ability to adjust the Bootee due to swollen feet or bandaging on the foot or ankle.



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DESIGNED SPECIFICALLY TO REDUCE FRICTION AND SHEAR, PARAFRICTA™ IS INDICATED FOR:

- Use on feet with pressure ulcers or any skin breakdown
- Use on feet that are enlarged due to swelling or bandages
- Individuals who are immobile in bed and require assistance with dressing
- Amputees
- Patients with Multiple System Atrophy (MSA), Motor Neurone Disease or Parkinson's Disease
- Patients with Epidermolysis Bullosa (EB)

KEY FEATURES AND BENEFITS

- The unique properties of Parafriкта™ fabric offer benefits that protect skin from damage: Parafriкта™ fabric is smoother than silk, tougher than nylon and has a high tensile strength that is close to that of steel.
- Low coefficient of friction. This reduces frictional damage to and breakdown of vulnerable skin. It also stops dressings from being detached due to friction.
- Absence of "stiction". The skin does not "jerk" whilst moving against Parafriкта™ products, so the damage to the tissue below the skin is minimized.
- High tensile strength. The Parafriкта™ products are durable in use.
- Washable up to high temperatures. Parafriкта™ products maintain their unique properties after many washings at the maximum temperature of the washing machine. This provides a clean environment.
- Breathable. Parafriкта™ products are comfortable in use.

ABOUT MACMED HEALTHCARE

Established in January 2000, MacMed Healthcare is the leading manufacturer and provider of superior pressure redistribution and skin integrity products throughout the Australian healthcare sector.

Through a comprehensive range of static mattresses, single cell air mattress overlays, chairs, cushions, wedges, as well as hip and skin protectors and innovative podiatry products, MacMed Healthcare is committed to reducing the incidence and prevalence of pressure ulcers and other skin integrity conditions.

Manufactured from the finest hospital grade materials, all MacMed products are configured to exacting specifications, and rigorously tested by an independent NATA accredited laboratory for suitability, durability and compliance.

MacMed Healthcare has successfully fulfilled major public and private tenders including 6,000 pressure-reduction mattresses in acute care, and an exclusive state-wide procurement for more than 3,000 mattresses in the aged-care sector.

MacMed Healthcare's quality management system is fully certified to AS/NZS ISO 9001:2008

