

Prevent MDRPI!

Prophylactic Care in Action

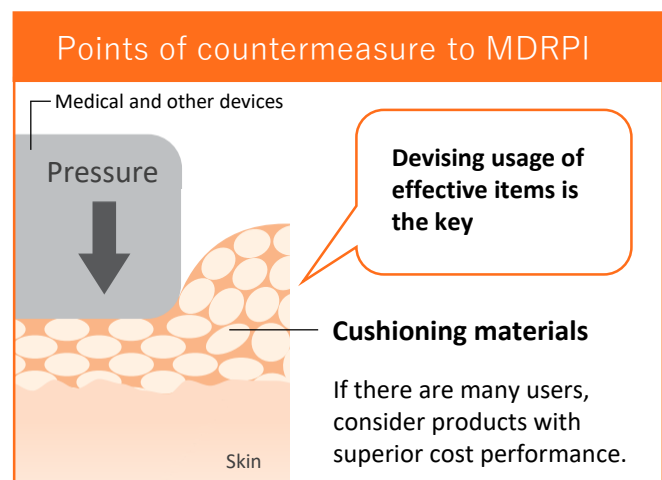
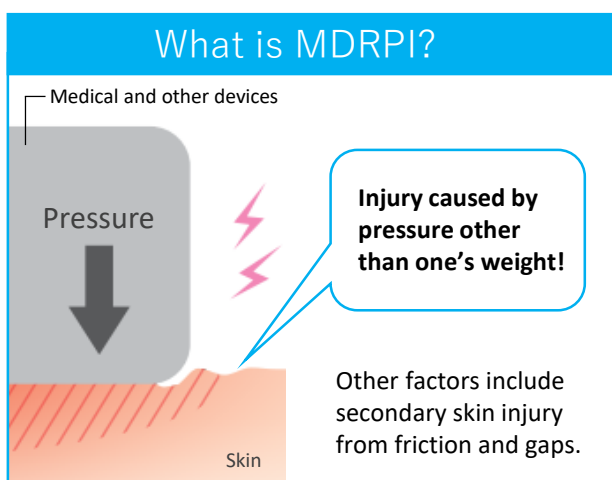
Miki Masada, RN, WOCN
Mitoyo General Hospital

As a designated cancer hospital, Mitoyo General Hospital has acute care functions, including a regional Emergency and Critical Care Center and a Cardiovascular Center. The hospital also has long-term care health facilities and home care support facilities. It is a medical institution that provides comprehensive regional medical care bridging home medical care, community-based care, and welfare. A patient can find care that meets individual needs.



MDRPI Measures and Factors

Medical Device-Related Pressure Injury (MDRPI) is an injury that occurs in the skin and the mucocutaneous junction caused by pressure other than one's weight. In critical care, invasive treatment (procedures) that can cause MDRPI includes respirators, noninvasive positive pressure ventilation (NPPV), indwelling catheters in the body (PCPS, IABP, thoracic/intraperitoneal drainage, and indwelling urinary catheters, etc.), and the control of intranasal tubes and peripheral intravenous routes can result in problematic skin dysfunctions. Also, shoes for rehabilitation with orthosis after fractures often cause secondary skin injuries from skin friction and gaps, in addition to pressure. It is crucial to implement prophylactic care to prevent these problems and avoid any secondary skin injury. To achieve this, it is important to consider the characteristics of products used for care and deliberate effective and innovative product usage that addresses/solves the issues. Another important factor for prophylactic usage with many potential users is to consider using products with superior cost performance.



COCOROLL was used for MDRPI prevention in this example

- 1) It can be cut into needed sizes, and it can be applied in multiple layers. Nurses can have the discretion to devise various care into action.
- 2) It is a product dedicated to prophylactic care, so it has superior cost performance compared to an ordinary wound dressing.



Measures to Deal with Common MDRPI

CASE 01 Tibia

Applied section: section with protruding tibia under compression stockings
Gender/age: 76 y.o. male

Current state

As it is often used after surgeries, machine pressure from above the stocking sometimes creates excessive pressure causing skin injury. Because of this, a compression bandage is used for protection against machine usage, which creates problems in terms of workload. In addition to compression stockings, there are often cases where skin dysfunctions occur after DVT prevention is conducted using intermittent pneumatic compression devices.



After implementing measures

When using intermittent pneumatic compression devices, COCOROLL was added instead of changing to compression bandage, reducing workload and cost.



point

Prevent peeling off by applying film dressing on top.

Indicate the date of application in the same manner as wound treatment and regularly assess the skin.

Indicate which direction to peel off by adding arrows that match skin conditions.

CASE 02 Nasal section

Applied section: NPPV/BIPAP mask
Age/gender: 82 y.o. female

Current state

- Skin protection creates a gap that causes the air to leak.
- The patient complains of pain when the mask is secured tightly.
- The mask form is changed, but sections of skin irritation differ and cause similar skin injury.
- Ulcers are often caused by securing the mask too tightly to prevent air leakage.
- Injuries are likely to occur along the nasal section, cervical anterior, and the nasolabial fold where the mask is applied with especially strong pressure.



After implementing measures

The dressing was applied to the wound section, and COCOROLL was applied on the mask side to eliminate the mask gap. This prevented the gap of tissues, alleviating pain.

Applicable to masks other than NPPV



[Cut Examples]



point

Apply it on the mask side.

Cut COCOROLL somewhat wider than the mask width.

When filling the gap, apply COCOROLL in 2-3 multiple layers for adjustment.

Other Usage Examples

Devising weight load alleviation for patients with toe amputation or toes with skin injury.



Example 1:



Check the shoe hardness and insert COCOROLL onto a section to provide.

Example 2:



Insert a precut size that covers the whole toe.

Example 3:



Cover the toe considering the degree of self-care and cleanliness.

point



When directly applying COCOROLL onto the skin, cut slits to match the application area.



Apply in multiple layers to produce thickness.

Reducing Friction from Nasal Cannula



Redness is found on the skin under the nostril, and the patient complains of pain.



COCOROLL was applied on the nasal cannula as the picture to the left. The pain disappeared, and the patient found comfort.

Alleviating Irritation of Indwelling Urinary Catheters

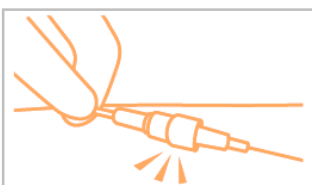


Irritation and pressure cause blistering, and the section connected to a urine bag creates.



COCOROLL was wrapped around the catheter for application. Film dressing should be applied on top if needed.

Reducing the Pressure of Sections Connected to IV Routes

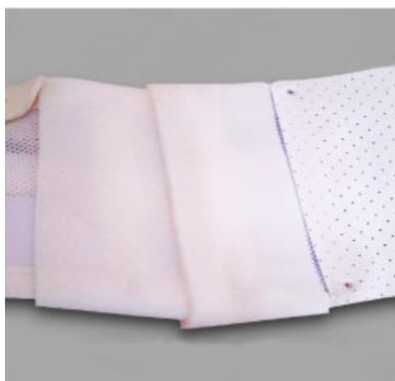


Skin injury can be caused by edema, etc.



Non-woven gauze or dressing used under the connection section ⇒ COCOROLL used instead

Consider the Cost Performance and Change the Product of Choice to COCOROLL



For making adjustments to sections pressured by a corset using various reinforcing/dressing materials.
⇒ switched to COCOROLL



Pressure-reinforcing material for Kirschner wire traction equipment.
⇒ switched to COCOROLL



After a cervical fracture: Apply COCOROLL in advance if blister formation is expected from using leg elevators or repositioning before and after a surgery.

- These reports are only examples of prophylactic measures and are not meant to guarantee effectiveness.

Ease the pressure from instruments
“Cushion Dressing”

COCOROLL

It comes in a roll, so you can cut just the amount you want to use!

The thin and elastic Cushion Dressing powerfully safeguards the skin from friction and pressure caused by various instruments. With its excellent breathability that prevents stuffiness and rashes, COCOROLL reduces instrument-associated stress on the skin, so patients can comfortably continue to use various instruments.

Be sure to apply it on the skin or the instrument before any physical contact to prevent any abnormality on the skin, such as pain or redness.

Roll Shape for using
as much as you need



Product detail : <http://www.kyowa-ltd.co.jp/english/products/pdf/COCOROLL.pdf>