**Pressure Ulcer Risk Profile: The Elective Hip Replacement Surgery Patient**

**Problem:** Early mobilization may not eliminate pressure ulcer risk. Social and heel ulcers common.

**Consequences:** Heel ulcer prevalence after elective hip replacement 13%.

**Contributing factors:**
- Age
- Respiratory disease, low hemoglobin, decreased pulse
- Altered mental status
- Decreased motion due to pain increases skin temperature and moisture

**Conclusion:** Microclimate management may benefit joint replacement population.

**Solution:** Use Skin IQ™ MCM over a pressure redistribution mattress to provide enhanced benefits compared with LAL therapy in a cost-effective manner.

- NiAl reduces skin temperature and moisture.
- Low-friction surface reduces friction and shear.
- Pressure redistribution mattress reduces pressure.
- Support call to reduce risk of heel pressure ulcers.

Manage other modifiable risk factors.

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**Skin IQ™ MCM, Simplified Microclimate Management**

**Innovative NAT**

- Helps to draw excess moisture away from the skin surface continually, helps to reduce skin temperature

**Low-friction surface**

- Helps reduce shear

**Immediate availability**

- In-hospital stock allows rapid intervention

**Versatility**

- Compatible with a variety of pressure redistribution mattresses on the market to streamline surface selection

**Fast and easy to use**

- As simple to use as a fitted bed sheet

**Promotes patient and caregiver safety**

- Minimizes the need to transfer patient

**Low-profile design**

- Skin IQ™ MCM is engineered using a low-profile design that raises the patient surface only ¼” higher than the top of the base mattress

**Single-patient use**

- Disposable to minimize patient-to-patient cross-contamination

**Economical**

- 30-day life; no impact on capital budget

**REFERENCES**

4. KCI data on file.
**Pressure Ulcer Risk Profile: The Hospitalized Oncology Patient**

**Problem:**
High risk of pressure ulcer development is associated with some hospitalized cancer patients.

**Consequences:**
- Reduced quality of life
- Increased mortality

**Contributing factors:**
- Age
- Anorexia, cachexia, and malnutrition
- Anemia, circulatory problems reducing tissue oxygenation
- Comorbidities impairing wound healing
- Dermatotoxic treatments: Chemotherapy, Epidermal growth factor receptor inhibitors, Radiation
- Impaired spontaneous movement and mobility
- Pain, opiates, sedatives
- Spinal cord compression, brain metastases
- Pathologic fractures, weakness, debility

**Conclusion:**
Enhanced preventive strategies are desirable. Microclimate management may increase patient comfort.

**Solution:**
Use Skin IQ™ MCM over a pressure redistribution mattress to provide enhanced benefits compared with LAL therapy in a cost-effective manner.

- NAT reduces skin temperature and moisture
- Low-friction surface reduces friction and shear
- Pressure redistribution mattress relieves pressure

Manage other modifiable risk factors.

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**Pressure Ulcer Risk Profile: The Acute Trauma Patient**

**Problem:**
Skin breakdown a significant problem in trauma patients hospitalized >2 days.

**Consequences:**
- LAL surfaces may be contraindicated in many types of unstable fractures
- Immobility predicts skin breakdown
- Mobility and moisture Braden Pressure Ulcer Risk Assessment scores linked to pressure ulcers
- Risk factors in hip fracture patients
- Age, diabetes
- Poor cognitive function, mobility, global physical status
- Pulmonary and hemodynamic instability

**Conclusion:**
Preventive interventions needed in ICU population. Microclimate management can provide a simple preventive therapy.

**Solution:**
Use Skin IQ™ MCM over a pressure redistribution mattress to provide enhanced benefits compared with LAL therapy in a cost-effective manner.

- NAT reduces skin temperature and moisture
- Low-friction surface reduces friction and shear
- Pressure redistribution mattress relieves pressure

Manage other modifiable pressure ulcer risk factors.

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**Pressure Ulcer Risk Profile: The Hospitalized Bariatric Patient**

**Problem:**
Anatomic changes in adipose tissue including increased skin weight and reduced vascularity and perfusion result in poor wound healing.

**Consequences:**
- Significant challenges in effective inpatient management
- Impaired temperature regulation promotes profuse sweating
- Reduced mobility due to body size
- Repositioning challenges can cause friction and shear
- Reduced and impaired perfusion
- Tissue breakdown, infection, delayed healing
- Chronic skin and wound problems
- Urinary incontinence compromises skin integrity

**Conclusion:**
Prevention a challenging but critical component of care.

**Solution:**
Use Skin IQ™ MCM over a pressure redistribution mattress to provide enhanced benefits compared with LAL therapy in a cost-effective manner.

- NAT reduces skin temperature and moisture
- Low-friction surface reduces friction and shear
- Pressure redistribution mattress relieves pressure

Implement specialized management to maintain skin integrity.

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*Skin IQ™ MCM maximum weight limit 227kg (500 lbs)*