

Some Slides are Intentionally Left Blank

Moisture Associated Skin Damage (MASD)

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Thank

- Catholic Health Wound Symposium
 - Dr. Lee Ruotsi
 - Julianne Nowak APN

Full Disclosure



- RN 45 years
- FNP 41 years
- 40 Years in LTC

Full Disclosure



- RN 45 years
- FNP 41 years
- 40 Years in LTC
- 1983 (32 years ago)
 - Wound Care Team in LTC
- 1995 (20 years ago)
 - First Incontinent Clinic Fort Wayne, IN

Moisture Associated Skin Damage (MASD)

1. Incontinence Associated Dermatitis (IAD)
2. Intertriginous Dermatitis (ITD)
3. Periwound Moisture Associated Dermatitis
4. Peristomal Moisture Associated Dermatitis

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Incontinent Associated Dermatitis AKA

- Diaper Dermatitis
- Perineal Dermatitis
- Excoriation (Incorrect term)
 - Denuding (Correct term)
- Irritant Dermatitis
- Allergic contact dermatitis
- Moisture Lesions
- Diaper Rash

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Educational Objectives

- Compare the difference between pressure ulcers and moisture associated skin damage and the treatment options for both.

“**Moisture** Control Problem”

Treat “**Moisture**” Problem”

“**Pressure** Control Problem”

Treat “Pressure” Problem

Treat “Pressure” Problem

Medical Issues
Nutritional Issues

Moisture Associated Skin Damage (MASD)

- Inflammation of the skin:
 - with or
 - without
 - erosion or secondary cutaneous infection.

Moisture Associated Skin Damage (MASD)

- Caused by
 - prolonged exposure to various sources of moisture
 - Urine, stool, perspiration, wound exudates, mucous, saliva and their contents.

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Incontinence Associated Dermatitis (IAD)

Inflammation of the skin that occurs when urine or stool comes into contact with perineal or perigenital skin.

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Incontinent Associated Dermatitis

Incontinent Associated Dermatitis

Incontinent Associated Dermatitis

Think Sunburn!

Incontinent Associated Dermatitis

Incontinent Associated Dermatitis

Color: Red, erythematous
Skin Glissens

Location: Area in contact with urine, stool or perspiration

Incontinent Associated Dermatitis



Location: Area in contact with **urine**, stool or perspiration
Depth: Superficial

Incontinent Associated Dermatitis

Location: Area in contact with **urine**, stool or perspiration
Depth: Superficial
Edges: Diffuse

Incontinent Associated Dermatitis

Location: Area in contact with **urine**, stool or perspiration
Depth: Superficial
Edges: Diffuse
Blanched: Yes

Incontinent Associated Dermatitis

Multiple What looks like Stage II
Small linear
Irregular Borders
Incontinent

Incontinent Associated Dermatitis

~~Not-Perineal Dermatitis~~

Perineal Area
(2 Postage Stamps Would Cover)



Inflammation



Bright red in light skinned persons

Glistens



Due to serous exudate

Kissing Lesions

Linear

Pressure Ulcer or IAD or MASD

First Time Seen



Day 14



Day 1

Day 9

Day 14

Satellite Lesions
“Islands in Front of the Coastline”

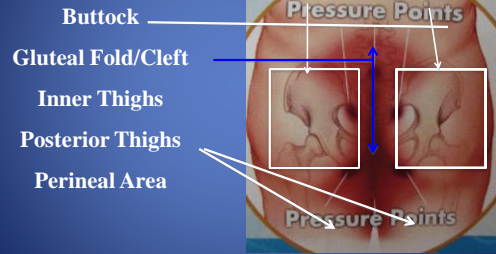
ePUCLAS2

Day 7

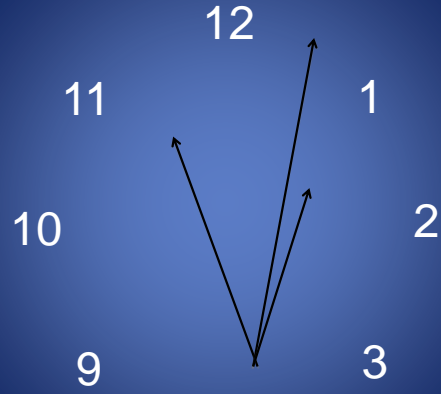
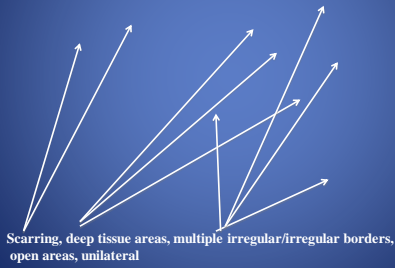
Kissing Lesions

Yellow Slough

Location, Location, Location



Incontinent of Urine and Stool



Fecal Incontinence

Google: Fecal Incontinent Episode



Wash Clothes

Disposable Wash Cloths



No-Rinse Spray Incontinent Cleansers



KLKE Google: FIE

- Episode #1 two weeks ago

Enough Supplies??

5 Wash Clothes

2 Bath Towels

KLKE: Fecal Incontinent Episode

Disposable Brief

11 Pairs of Gloves

LTC F-tag 315

- Incontinence
 - Adult brief
 - Not diaper

KLKE: Fecal Incontinent Episode

2 Lighter Soiled

7 Heavily Soiled

Clean Till Clear!

5 Lightly Contaminated Wash Clothes

Fecal Incontinent Episode

- 22/7/5

Fecal Incontinent Episode

- 22/7/5
 - 22 Gloves
 - 7 Heavily soiled wash clothes
 - 5 Lighter soiled wash clothes

Incontinent Brief: Use to clean...



Clean!



Clean?



Guess NOT!!!!

REALLY Clean This Time.

Fecal Incontinent Episode

- Episode #1 two weeks ago
- Episode #2.....the very next patient

More clean brief space to use!

What's in the top drawer???

Dimethicone

Emollient – softens and moisturizes skin



Zinc Based



Antifungal



Film Barriers: Polymer/Terpolymer



Cyanoacrylates

Liquid Skin Protectant/Medical Grade Glue



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Intertriginous Dermatitis In-ter-trig-i-nous (ITD)

Location

Intertriginous Dermatitis

- Erythema and inflammation of the skin
- Inside and adjacent to skin folds,
- Sometimes accompanied by
 - Erosion
 - Denudation
- Caused by exposure to
 - Chronic perspiration.

Gray M et al. Journal of Wound, Ostomy & Continence Nursing 2011; 38(3): 233.

“**Moisture** Control Problem”

Intertriginous Dermatitis

- SKIN FOLD
 - High Volume Perspiration
 - Poor Evaporation

Gray M et al. Journal of Wound, Ostomy & Continence Nursing 2011; 38(3): 233.

LOCATION...LOCATION...LOCATION

Skin Fold

Gluteal Cleft

“**Moisture** Control Problem”

“TUCSON BUTT”

Pressure Ulcer Location



Gaymar Pictorial Guide

Skin Fold

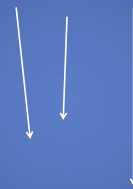
Larger Skin Folds in Larger People

- Neck
- Upper back
- Flank
- Upper-medial thigh
- Posterior legs
- Ankles
- Any skin fold

Any Skin Fold

- Thin patients
 - Groin
 - Under the breast
- Sometimes
 - Under the arm

Intertriginous Dermatitis



Left Breast

Left Breast



Skin Fold



“**Moisture** Control Problem”

Kissing Lesions

Kissing Lesions



Intertriginous Dermatitis

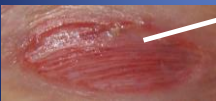
Upper Thigh Skin Folds

Recurrent Intertrigal Injuries

Courtesy: KL Kennedy LLC

Gently lift up skin folds to prevent recurrent tear injury.

Recurrent Intertrigal Injuries



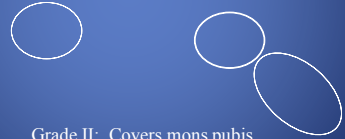
Multiple Skin Folds

Skin Folds – (9)

From Knee Down



Moisturize!!!!



Skin Inspection – LOOK!

INSPECTION

You can't see what you don't look at!

Ya Need to See!

Skin Fold Cleansing



PAT – Do NOT rub

Prevention and Treatment of moisture

- Silver impregnated fabrics
 - Translocates moisture

Translocation of moisture

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Prevention and Treatment

Moisture, Shear and Friction

- Drag sacrum and heels getting in and out of bed.
 - Consider using silk-like fabrics rather than cotton or cotton-blend fabrics to reduce shear and friction.
 - Strength of Evidence = B p. 76 Clinical Practice Guideline

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Treatment

- Absorbent fabric
 - Translocates moisture
- Absorbent disposable sheets
 - Collects, absorbs and retains skin-fold moisture
- Absorbent bed linens
 - Reduces/Absorbs moisture

Blackett et al. Journal of Wound, Ostomy & Continence Nursing 2011; 38(2): 133-140

Skin Fold – Upper Inner Thigh

Moisture Control Problem

Complex Problem



“Differential Diagnosis
Remains
A
Challenge”

Pressure Ulcer (MASD)

- Umpire:
 - “I call them the way I see them.”
 - “I see them the way I call them.”
 - “They ARE the way I call them.”

Dr. William Eaglestein

WOCN/HBC

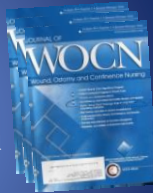
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MASD – 3 Part Series 2011

- **Moisture-Associated Skin Damage: Overview & Pathophysiology**
– J WOCN May/June 2011
- **Incontinence-Associated Dermatitis and Intertriginous Dermatitis**
– J WOCN July/August 2011
- **Peristomal Moisture-Associated Dermatitis and Periwound Moisture-Associated Dermatitis**
– J WOCN September/October 2011



Incontinence Associated Dermatitis (IAD) Best Practice for Clinicians



Wound, Ostomy and Continence Nursing Society
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Moisture Control Issue

Go Green

Questions?

