

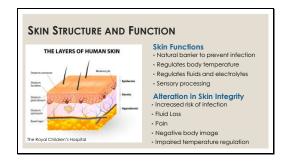
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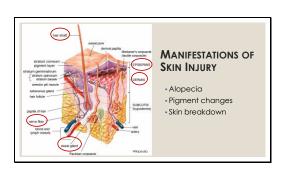






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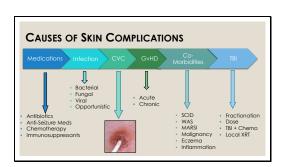






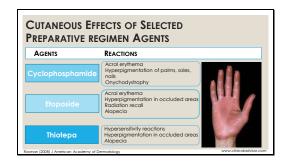
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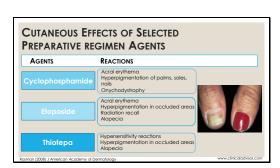


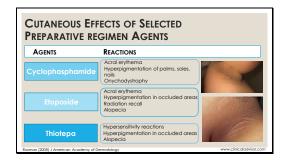




Slide 11







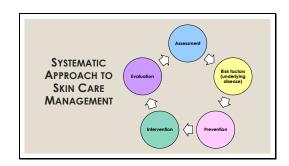
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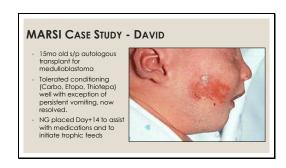


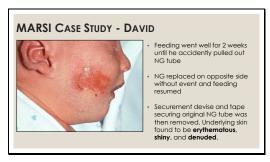




Slide 17





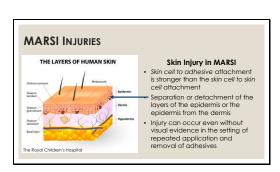


Slide 20

DEFINITION OF MARSI....

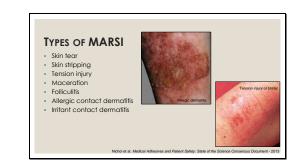
- Medical Adhesive Related Skin Injuries
 - Medical Adnesive Related Skin Injuries

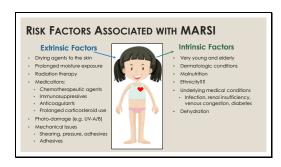
 A medical adnesive related skin injury is an occurrence in which erythema and/or other manifestation of cutaneous abnormality (including, but not limited to, vesicle, bulla, erosion, or tear) persists 30 minutes or more after removal of the adhesive -3M
 - Damage to the skin that may occur when medical adhesives are not SELECTED, APPLIED and/or REMOVED properly

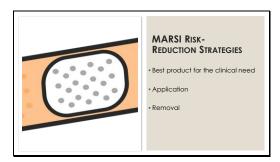




Slide 23







Slide 26



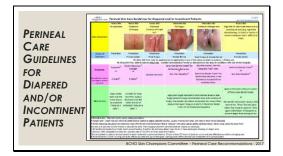




Slide 29







Slide 32



CASE STUDY - "APRIL"

- 5 year old female diagnosed with AML in 2nd CR
- Treatment: PBMTC study using a partially match family member after a negative selection of TCR alpha/beta depleted graft

- Conditioning regimen:

 r-ATG 3 mg/kg X 3 doses
 Busulfan 1 mg/kg X 10 doses
 Thiotepa 5 mg/kg X 2 doses
 Thiotepa 5 mg/kg X 2 doses
 Cyclophosphamide 60 mg/kg X 2 doses
 Rifuximab 375 mg/m2 X 1 dose

Slide 33



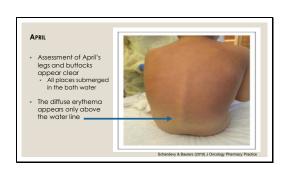
APRIL

- Tolerated conditioning well with exception of fever spike during r-ATG
 Skin care per APHON recommendations for Thiotepa infusions
 Bathe patient 3 4 times per day
 Change linen with each both
 Avoid occlusive dressings, adhesive, totions, and creams
 Wear loose fitting clothing
 if diappered, change diaper every 2 hours



Slide 35

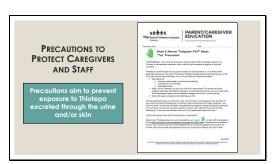






Slide 38





TREATMENT

- Pruritus
- *Liberal use of fragrance-free lotions *Consider Hydroxyzine or Nalbuphne
- Desquamation
- Keep area clean
 Apply moisturizer
- Apply barrier cream to perineal area
 Topical steroids



Slide 41

CASE STUDY - "NATHAN"

- 15 year old male diagnosed with ALL with CNS involvement, in CR2, and received a sibling matched related donor transplant
- Conditioning
 FIBI (1200 cGy) given over 8 fractions on Day -7, 6, -5 and -4
 Eloposide (60 mg/kg) given on Day -3

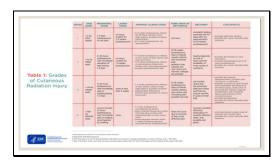
 Liposide (60 mg/kg) given on Day -3
- Skin Care Instructions During Fractionated Total Body Irradiation (FIBI)
 Daily boths with mild soap and water
 Moisturize every evening with a hospital-provided lotion
 Avoid deodorants/antiperspirants on the days of radiation
 Wear losse fitting clothing
 Avoid sun exposure

Slide 42



NATHAN

- On Day +6 he developed erythema and desquamation to his neck and chest area
- In addition to the FTBI, he received a cranial spinal boost of 2400 cGy to his cranium, cervical spine and thoracolumbar spine



Slide 44

RECOMMENDATIONS FOR SKIN CARE FOR PATIENTS RECEIVING CRANIAL/SPINAL RADIATION

- Patients receiving a Cranial/Spinal Boost
 Wash skin daily with mild soap and warm water
 Avoid shaving
 Apply fragrance-free moisturizer 1-3 times a day
 Wear loose fitting clothing
 Avoid putting any hot or cold on the treated skin
 Protect skin from the sun
 If skin starts to feel sunburnt, apply
 100% pure Aloe Vera





SKIN COMPLICATIONS: LONG TERM CONSIDERATIONS

- Key issuesAwareness and education
- Yearly skin exam and risk assessment for cutaneous cancer
- Importance of sun and skin protection

- SunscreenClothingSunglasses



Slide 47

TEST YOUR KNOWLEDGE & ASSESSMENT SKILLS



Slide 48

WHAT IS YOUR DIAGNOSIS?

- Chemotherapy Effects
- Radiation Effects
- MARSI
- Drug Hypersensitivity
- Viral Infections





Slide 50







Slide 53







Slide 56



