

# Assess and Dress: Essential Wound Care Practices at the End of Life

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### Disclosure

- I have no relevant financial relationships with manufacturers of any commercial products and/or providers of commercial services discussed in this presentation.
- This discussion will include the use of medications for off-label indications.



# Objectives

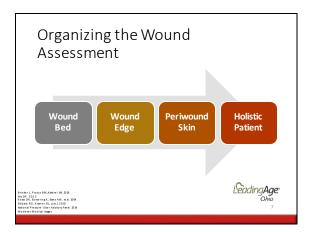
- Discuss a systematic framework for assessing wounds.
- Review key criteria of dressing selection to manage wound exudate, debride necrotic tissue, and resolve wound infection.
- Identify strategies to manage wound symptoms.

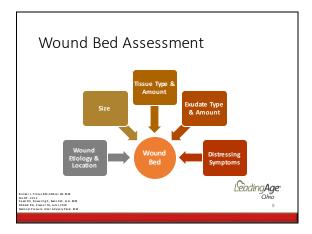


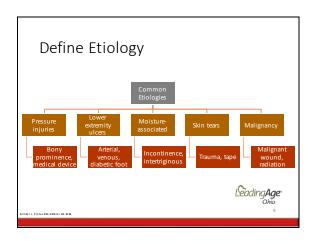
# Wound Assessment

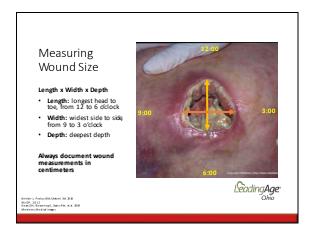


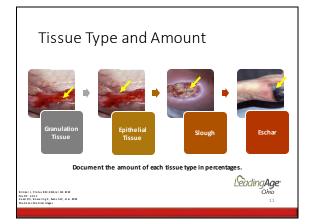
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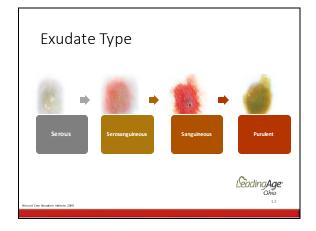


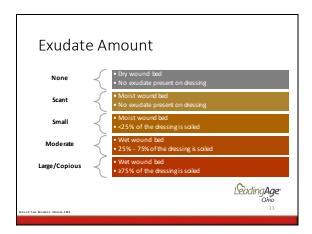


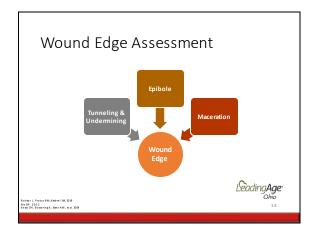


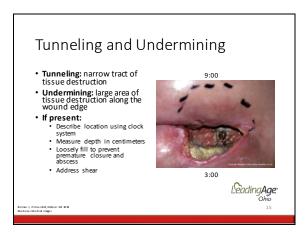




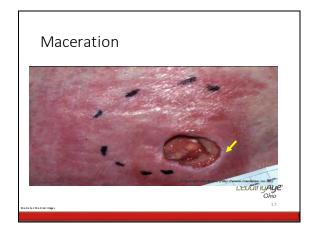


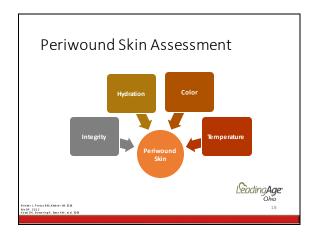




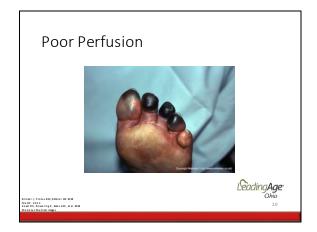


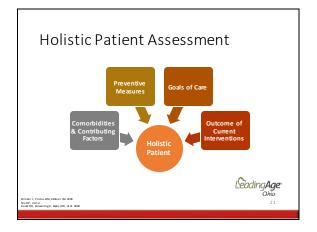












Comorbidit Factors	ties and Con	tributing
History of Wounds	Comorbidities	Current Health Status
Previous wounds Underlying etiology Length of time present Prior wound care treatments Preferences for care	Chronic renal failure Muscle weakness Incompetent valves Congestive heart failure Hypertension Atherosclerosis Diabetes Neuropathy Anemia	Prognosis Nutritional status Mobility status Ability to provide self care Smoking Alcohol use Medications
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Outcome of Current Interventions
Key assessment questions:  Is the treatment appropriate for the wound condition?  Is the current treatment improving the quality of life?  What is the goal of wound care, and are we achieving that goal?  Did we notify physician and family?  Did we provide education?
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Case S	tudy	
Wound Care Modion Inditute J GL 9		Leading Age Ohio

## Question 1

### What is the primary wound bed tissue type?

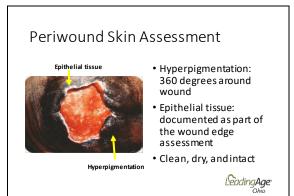
- A. Epithelial tissue
- B. Granulation tissue
- C. Slough
- D. Eschar

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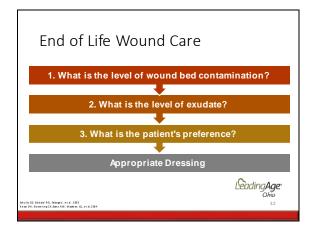
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# Wound Edge Assessment Defined Shape: irregularly shaped Detached: 0.5 cm of undermining from 1 to 4 o'clock Epibole: 6 to 8 o'clock Epithelial tissue: 8 to 12 o'clock, 1 to 4 o'clock, 6 o'clock Eaching Age



# Holistic Patient • Hospice diagnosis: Alzheimer's disease, FAST score of 7t • Comorbidities: anemia, hypertension • Nutritional status: • Eats 25% of pured meals • Thickened liquids • Slow hand feedings • Weight stable at 114 pounds • Goal of wound care • Palliation • Currently applying abdominal pad daily and PRN, frequently soiled \*\*Coading Age Ohio \*\*Ohio \*\*Discoading Age Ohio \*\*Discoadin

# Dressing Selection





### Is the wound bed clean?

- Characteristics

  - Pink or red, granulation tissue if full thickness
    Less than 25% devitalized tissue
- No symptoms of infection Appropriate intervention:
  - Manage exudate: select dressing to maintain most wound bed
     Maximize dressing wear time





### Dressing Selection: Clean Wound Bed

### No Exudate/Dry Wound

- Add moisture:
- Hydrogel
   Honey
   Impregnated gauze
- Retain moisture:
   Transparent film
   Hydrocolloid

### Maintain exudate level: Hydrogel

- Honey
   Impregnated gauze
- Transparent film
  Hydrocolloid
  Thin foam
- Composites

### Polymeric membrane

### Moderate/Heavy Exudate

### • Rule out infection

- Absorb exudate:
- Hydrocolloid
   Honey alginate

- Composites
   Alginate
   Foam
   Gelling fiber
   Polymeric membrane
   Specialty absorptives •Wound pouches



### Is the wound bed obscured by devitalized tissue?

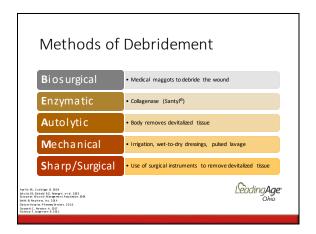
- · Necrotic or devitalized tissue
  - · Slough: devitalized tissue,
  - yellow, brown, grey, tan

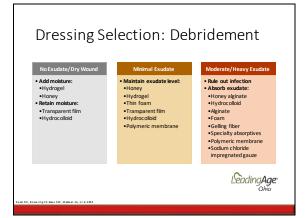
     Eschar: necrotic tissue, black, leathery, stable or unstable
- Appropriate management of slough:
  - Manage exudate
  - Debridement





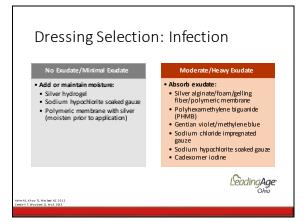
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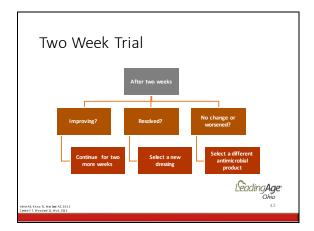












### Management of Wound Infection

- Systemic antibiotics
  - Appropriate for deeper or systemic wound infections
     Wound culture may guide selection
     Use Lewine technique
     Do not culture necrotic tissue

  - Goals of care, patient preference, and prognosis guide appropriateness at end of life
- Topical antibiotics
  - Avoid use
  - Due to the potential for adverse effects and antimicrobial resistance, use of topical antibiotics in wound care should be avoided



# Wound Symptoms



### Wound Pain

Infection as Cause of Pain

Rule out infection for any wound with new or increasing pain

Adherent dressings, dry or exposed wound bed, maceration, scrubbing the wound bed with gauze, use of strong adhesives that damage skin

### Anxiety as Cause of Pain

Cyclical: pain causes anxiety, anxiety increases perception of pain

### Underlying Pathology as Cause of Pain

Unrelieved pressure, ischemia, venous congestion, neuropathy



### Wound Pain

- New or increasing pain is a symptom of wound infection
  Manage with a topical antimicrobial product and debridement
  Add systemic antibiotic if in alignment with patient's goals of care, prognosis, and current level of infection
- Nonpharmacological management strategies:
  Apply non-adherent, long-wear dressings to minimize pain associated with dressing changes
  Always use gentle irrigation with warm solution
  Soak dressings with saline to facilitate atraumatic removal
  Consider applying a polymeric membrane dressing
- Pharmacological management strategies:
   Systemic analgesics
   Topical analgesics
   Adjuvants

Keat DH, Bowering CK, Bans AW, Made an GL, et al. 2004 Hopf HW, Shapshak D, Junkins S. 202.2 Tam (DNI, Rancher T. 2007 Popersus A, St diddo R. 2004 So-Shn Mak S, Lee MY, Cheung PS, et al. 2025



# Wound Odor Devitalized tissue, symptoms of infection Air fresheners, essential oils, diver sheets, coffee grounds, kitty litter, odor-neutralizers. Address poor hygiene or dirty linens. Increase room ventilation. Debridement? Cleansing? Dressing changed when soiled? Exudate level increasing? Manage bacterial burden Charcoal, hydro colloid with cyclod extrin, pouching systems Leading Age Ohio

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S	Slow, Oozing
•	<b>Identify cause:</b> infection, adherent dressing, swabbing wound bed with gauze, medications
•	Achieve hemostasis: apply pressure, as tolerated; calcium alginate
_	
,	Heavy
•	<b>Identify cause:</b> tumor eroding significant vessel, adherent dressing, swabbing wound bed with gauze, medications
•	Achieve hemostasis: apply pressure, as tolerated; use gelatin sponges, epinephrine-soaked gauze, or combat gauze
	Comfort measures: dark towels/sheets; medicate for pain and anxiety

### Preventing Wound Bleeding

Gentle cleansing rather than swabbing

· Irrigation, pour cleanser

- Apply non-adherent dressings

   Prevents trauma to the wound bed during dressing removal

   Select a dressing that matches current level of exudate

   Use a contact layer or impregnated gauze as the primary dressing
  - · Avoid wet to dry dressings

Remove adherent dressings by gentle irrigation with normal saline



# Case Study: Dressing Selection

- · Goal of wound care
  - Palliation
  - · Decrease frequency of wound care
- Currently applying abdominal pad daily and PRN
- Dressing is frequently soiled





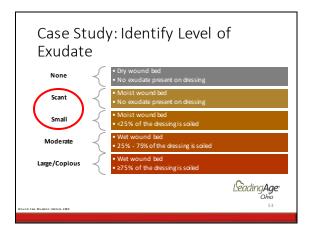
### Question 2

### What is the level of wound bed contamination for Paul's wound?

- A. Clean wound bed
- B. Obscured by devitalized tissue
- C. Infected
- D. I am not sure









### Case Study: Recommendations

- Current wound care

   Abdominal pad daily and PRN
  - Dressing is frequently soiled by incontinence

- New wound care orders
  Fill dead space with honey gel, hydrogel, or impregnated gauze
  Secure with bordered gauze bordered foam, hydrocolloid

  - Change every 3-7 days and as needed if soiled





# **Key Points**

- Use the anatomy of a wound to organize assessment assess and document wound bed, wound edge, periwound tissue, and holistic
- To select an appropriate dressing, determine level of wound bed contamination, amount of exudate, and patient preference.
- When addressing wound symptoms at the end of life, always try to identify and address the cause.



# Thank you

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References
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### References

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