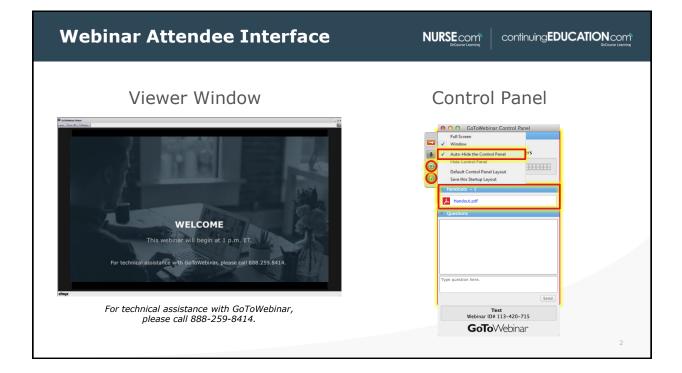
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Pamela Damron, MSN, RN, CWON, Clinical Appeals Specialist, Community Health Systems, has no financial relationships to disclose.

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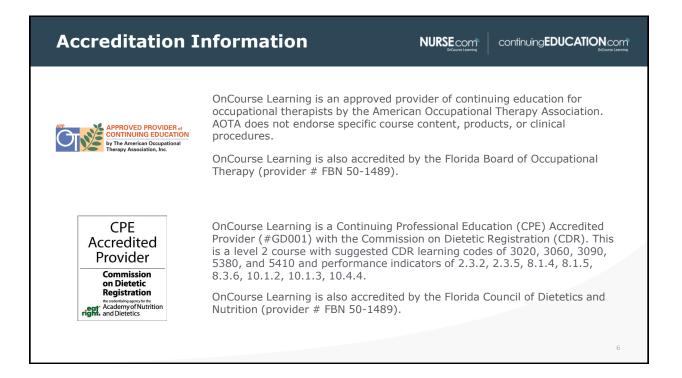


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- FREE CE exam
  - Links to the courses will be provided at the end of this presentation
  - Existing CE Direct subscribers: Log in as normal and look for the "webinars" category
  - In addition, e-mail with instructions will be sent within two hours at the end of this session.
  - This is an OnCourse Learning CE event. Participants who attend the webinar in its entirety, complete the post-test with a passing score of at least 75%, and finish the evaluation survey will earn:
    - Registered Nurses: 1 contact hour
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    - Registered Dietitians: 1 CPEU
    - Physical Therapists: 1 hour
    - Occupational Therapists: 0.10 AOTA CEU

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## SKIN INJURY PREVENTION

It's Just a Stage 1 Pressure Injury. Or Is It?

## **Your Presenter**

- Dedicated health professional with more than 29 years of nursing experience in medical/surgical, ICU, and wound and ostomy nursing
- Certified Wound Ostomy Nurse (CWON)
- Extensive editing/writing experience
- Currently: Clinical Appeals Specialist
- Previously: Nursing instructor for baccalaureate students
- Sigma Theta Tau Inductee



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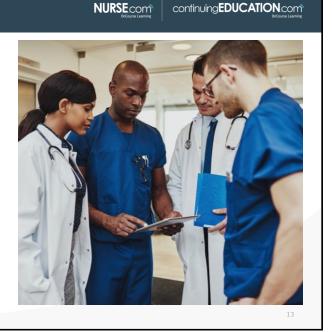
Pamela Damron MSN, RN, CWON Clinical Appeals Specialist, Freelance Writer

Goals and Learning Outcomes	NURSE continuing EDUCATION continuing EDUCATION continuing
The goal of this presentation is to describe the differences between deep tissue injuries and stage 1 pressure injuries, especially in dark skin tones.	Upon completion of the webinar, learners will be able to:
	<ul> <li>Explain the differences between deep tissue injuries and stage 1 pressure injuries.</li> </ul>
	<ul> <li>Identify risk factors for patients who develop deep tissue injuries and stage 1 pressure injuries.</li> </ul>
	<ul> <li>Collaborate interprofessionally with members of the healthcare team to address prevention of skin injuries.</li> </ul>
	11

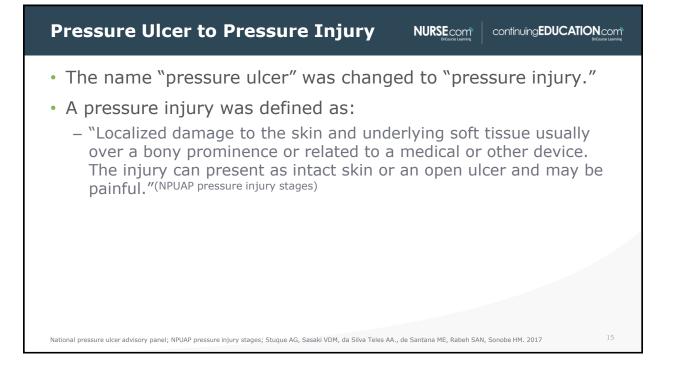
Interdisciplinary Team	
Before I begin this presentation, I want every discipline has something <b>special</b> the patient's plan of care.	1
As healthcare professionals, we must w higher quality patient outcomes and sa	5
	12

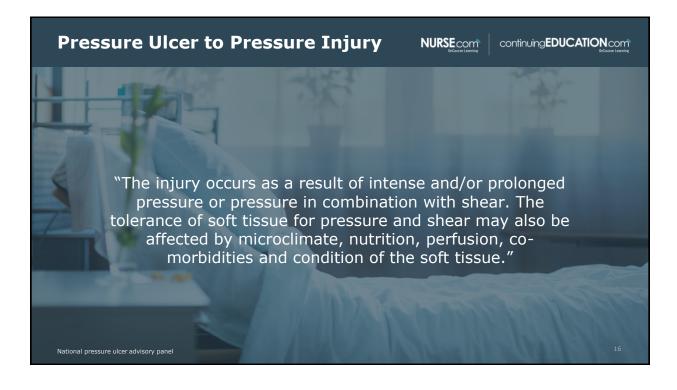
## **Interdisciplinary Team**

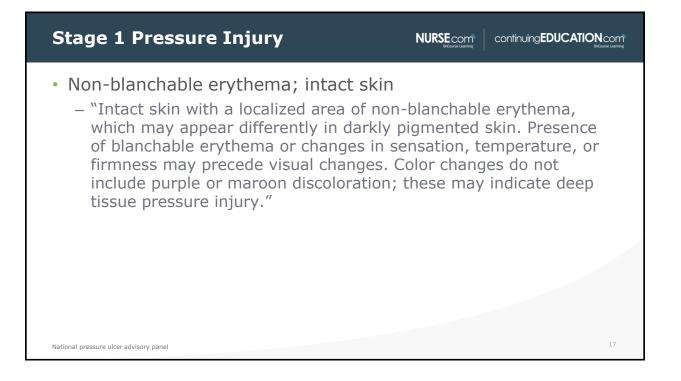
- Pressure injury prevention is a team approach.
- Everyone must do his or her part in prevention.
- The costs of healing pressure injuries may be in the billions of dollars for organizations.
- The pain and associated symptoms involved with pressure injuries are very difficult for the patients.











## Deep Tissue Pressure Injury

• Persistent non-blanchable; dark red to purple appearance

 "Intact or non-intact skin with localized area of persistent nonblanchable deep red, maroon, purple discoloration or epidermal separation revealing a dark wound bed or blood filled blister. Pain and temperature change often precede skin color changes. Discoloration may appear differently in darkly pigmented skin."



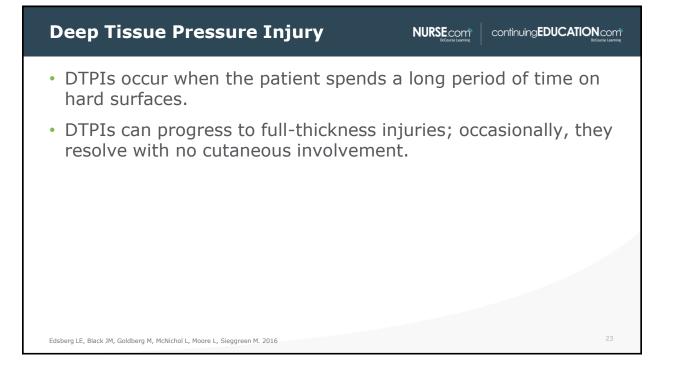
## Deep Tissue Pressure Injury (DTPI)

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- DTPIs begin at the interface of the bone-muscle.
- This type of injury takes 24 to 72 hours to visualize the damage between the time of pressure exertion to the onset of the purple- or maroon-colored skin.

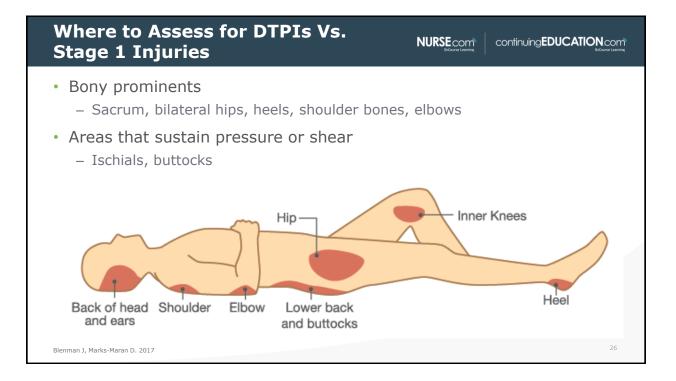


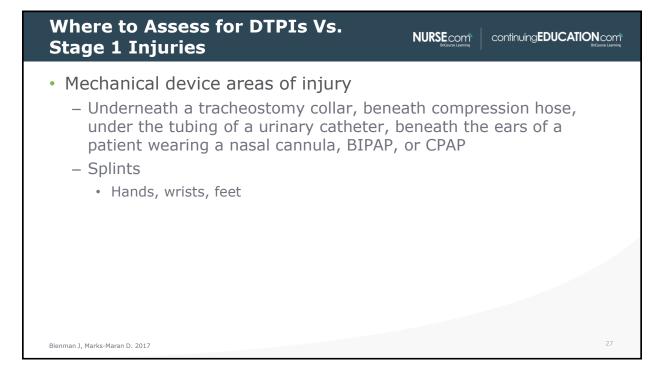
Deep Tissue Pressure Injury		<b>1</b> *
<ul> <li>DTPIs are similar to rhabdomyolysis damages the muscle that is injured of</li> </ul>	•	
<ul> <li>Blood blisters are categorized as DTF</li> </ul>	PIs.	
<ul> <li>Purple intact tissue is a DTPI.</li> </ul>		
Edsberg LE, Black JM, Goldberg M, McNichol L, Moore L, Sieggreen M. 2016	22	



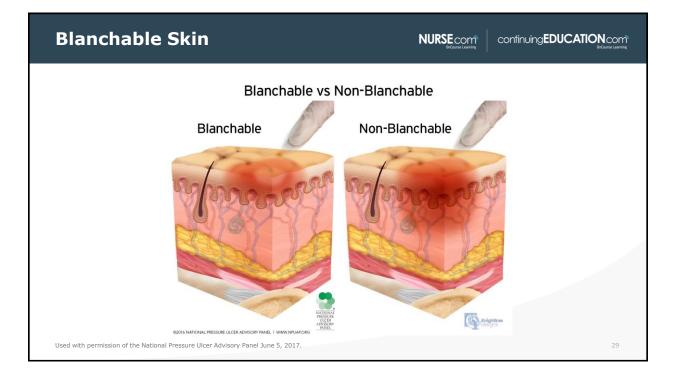
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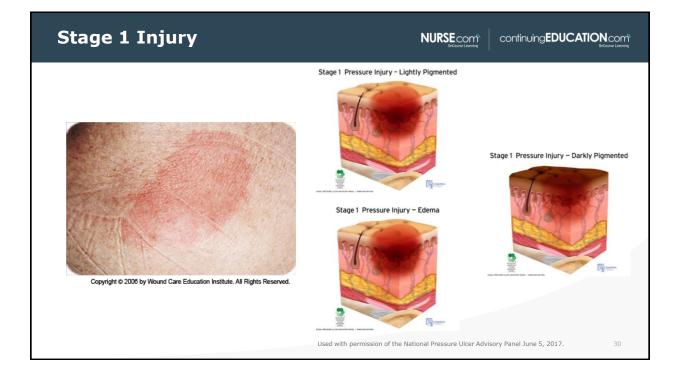






Poll Question 1	
How long have you been working with prevention or treatment of wounds?	<ul><li>A. 1 year</li><li>B. 2 to 3 years</li><li>C. 4 to 10 years</li><li>D. Greater than 10 years</li></ul>
	28





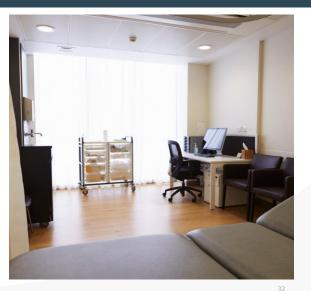


## Distinguishing Stage 1 vs. DTIs

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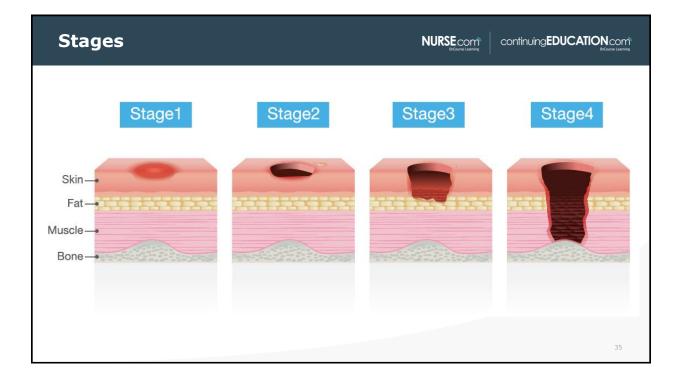
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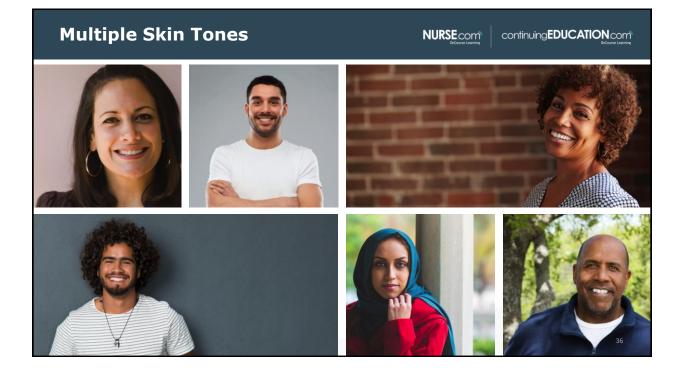
- Good lighting
- Perform a thorough skin assessment
- Turn the patient from side to side and assess all areas that can sustain pressure



### **Distinguishing Stage 1 vs. DTIs** NURSE.com continuing EDUCATION.com Healthy Skin - Lightly Pigmented • See if the patient's skin tone is darker than his/her normal skin tone Stand close to the Healthy Skin - Darkly Pigmented patient with good lighting and compare the other side to see if there is any difference in skin tone Used with permission of the National Pressure Ulcer Advisory Panel June 5, 2017.

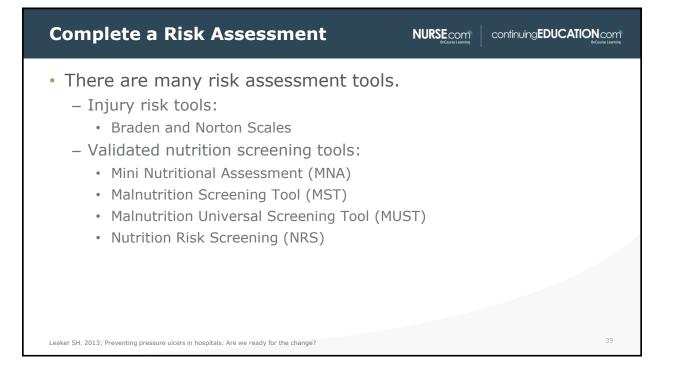






Poll Question 2	NURSE com Discusse Larring Continuing EDUCATION com Discusse Larring
It is always similarly easy to distinguish skin injury in both lighter and darker skin tones.	<ul><li>A. Agree</li><li>B. Disagree</li></ul>
	37

Complete a Risk Assessment		
<ul> <li>We must look at the patient as a whole patient! <ul> <li>Don't just look at skin.</li> <li>Look at the patient's medications.</li> <li>Look at the patient's history for acute a present.</li> <li>Look at the patient's mobility.</li> <li>Look and see if the patient is continent.</li> <li>Look at nutritional status.</li> </ul> </li> </ul>	and chronic diseases	
Leaker SH. 2013; Preventing pressure ulcers in hospitals: Are we ready for the change?		38





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Complete a Risk Assessment	
<ul> <li>Nutrition assessment         <ul> <li>Undernourished/malnutrition</li> <li>Has the patient lost 10 pounds or more in the past month?</li> <li>Is the patient eating less or skipping meals?</li> </ul> </li> </ul>	
<ul> <li>Does the patient have chronic diseases or medications that may decrease absorption or increase needs (e.g., cancer, chemotherapy, corticosteroids, autoimmune drugs, etc.)?</li> </ul>	
• Is altered mental status present? Cass H. 2016; Litchford, M. 2016	

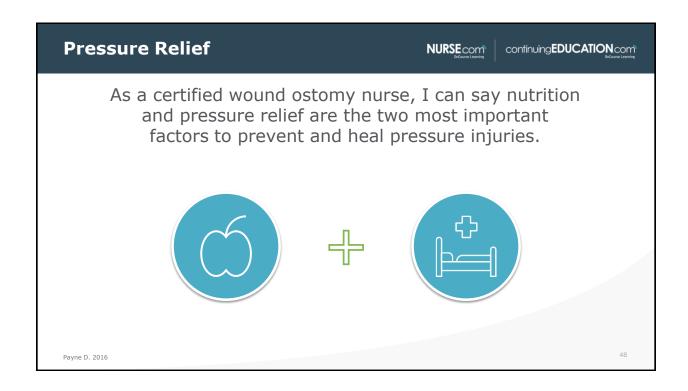
Complete a Risk Assessment		
<ul> <li>Assessment         <ul> <li>Incontinence of stool and/or urine</li> <li>Immobility</li> <li>NPO or on liquids three to five days</li> <li>On vasopressors for BP support &gt; 24 k</li> <li>Inability to feel sensations                 <ul> <li>Quadriplegia, paraplegia, diabetic neuro</li> <li>On the ventilator &gt; three to five days</li> </ul> </li> </ul> </li> </ul>	pathies	ritional support
Cass H. 2016; Litchford, M. 2016		43

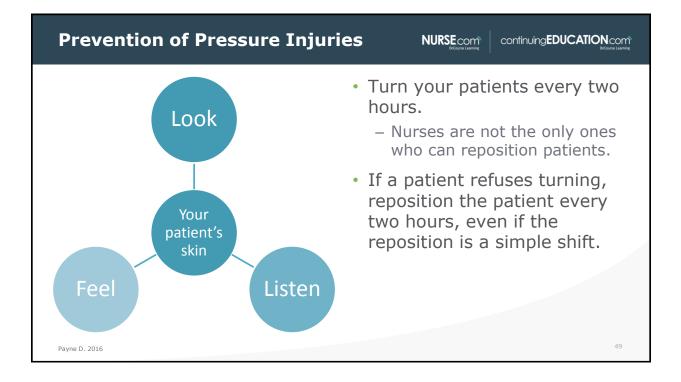
Complete a Risk Assessment		continuing <b>EDUCATIC</b>	
<ul> <li>Nutrition assessment <ul> <li>All wounds initiate the inflammatory responses of the experiment of the experimen</li></ul></li></ul>	ory states Iflammato	ory response	
Cass H. 2016; Litchford, M. 2016			44

Complete a Risk Assessment	NURSE.com continuingEDUCATION.com
<ul> <li>Nutrition assessment</li> </ul>	
<ul> <li>Transferrin determinants are much better iron deficiencies than albumin.</li> </ul>	er indicators for protein status and
<ul> <li>Due to inflammation, albumin and prealb nutritional status</li> </ul>	bumin are not good indicators of
<ul> <li>Malnutrition characteristics</li> </ul>	
<ul> <li>Insufficient energy intake</li> </ul>	
– Weight loss	
<ul> <li>Loss of body fat</li> </ul>	
<ul> <li>Loss of muscle mass</li> </ul>	
<ul> <li>Accumulation of fluid</li> </ul>	
<ul> <li>Reduced grip strength</li> </ul>	
Cass H. 2016; Litchford, M. 2016; Nutrition and wound healing: nutritional assessment; Hypoalbuminemia	ia 45

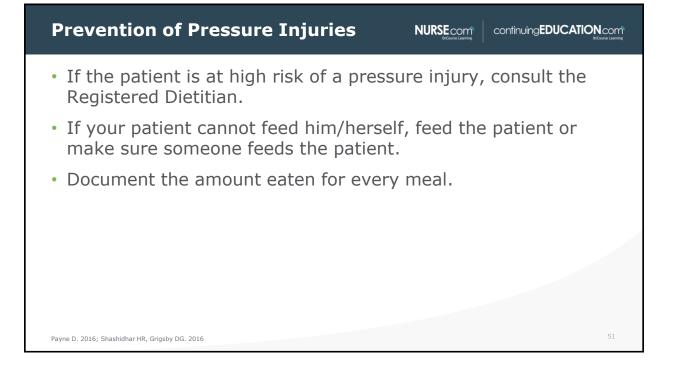
Poll Question 3	
A nutrition assessment is just as important as a skin assessment.	<ul><li>A. Agree</li><li>B. Disagree</li></ul>
	46

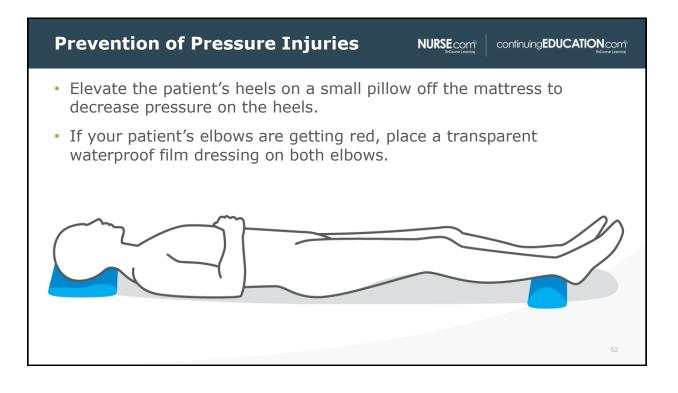






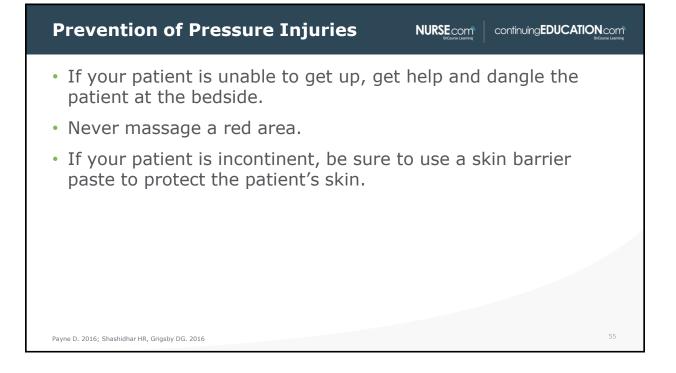
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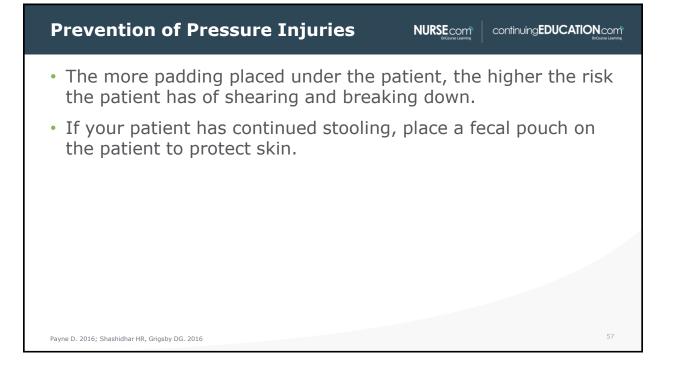


Prevention of Pressure Injuries NURSEcon continuingEDUCATIO	
<ul> <li>If a patient is wheelchair bound, be sure he or she has a pressure relief cushion at all times in the wheelchair.</li> <li>Seek consultation with the OT or PT to evaluate fit, necessary adaptations, and pressure-reducing strategies.</li> </ul>	
<ul> <li>Provide education and training from OT or PT regarding shifting weight while in a seated position.</li> </ul>	
Payne D. 2016; Shashidhar HR, Grigsby DG. 2016	53

Prevention of Pressure Injuries	NURSE com Of Continuing EDUCATION Com Different Lemma
<ul> <li>We see a lot of patients who stay in their recliners all day and night.</li> </ul>	J.J. P.
<ul> <li>A pressure relief cushion in the recliner may help.</li> </ul>	
<ul> <li>Teach them to shift their weight around in the recliner.</li> </ul>	
Payne D. 2016; Shashidhar HR, Grigsby DG. 2016	54



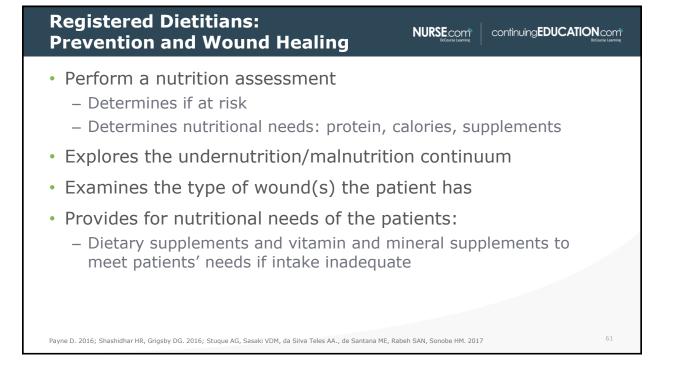
Prevention of Pressure Injuries		<b>1</b> «
<ul> <li>Never use diapers unless you are get the chair.</li> </ul>	tting your patient up to	
<ul> <li>Diapers hold moisture on the skin and much earlier than pads.</li> </ul>	id may cause breakdown	
<ul> <li>Use only a draw sheet and one pad us she is incontinent.</li> </ul>	under your patient if he or	
Payne D. 2016; Shashidhar HR, Grigsby DG. 2016	56	





Poll Question 4	
Which is an accurate statement?	A. All patients will develop a pressure injury if turned every four hours.
	<ul> <li>B. Preventing shear injuries is just as important as repositioning.</li> </ul>
	C. Preventing skin injury is impossible.
	D. The newest terminology for skin breakdown is "pressure ulcer."
	59

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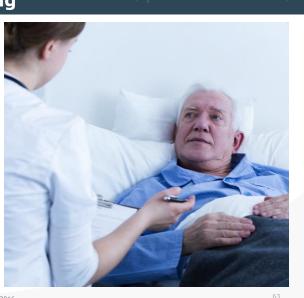
## Occupational Therapists: Prevention and Wound Healing

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- Assesses and determines adaptations needed to facilitate ADLs, transfers, and positioning.
- Reports information to nursing when suspected pressure injuries are observed
  - Skin redness, breakdown, etc.
- Ensures proper splinting and proper fitting of assistive devices.
- Helps with interventions for spinal cord injuries.
- Assesses wheelchair fit, function, and necessary adaptations.

## Occupational Therapists: Prevention and Wound Healing

- Discuss habit-change strategies to supplement education in pressure injuryprevention techniques.
- Remember barriers to pressure injury prevention.
  - Resources, equipment, education



Fogelberg DJ, Powell JM, Clark FA. 2016; Worsley PR, Clarkson P, Bader DL, Schoonhoven L. 2016

## Pharmacists: Prevention and Wound Healing

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- Assess home medications and current medications.
   Look for any medications that might contribute to incontinence.
- Recommend products to help with prevention of injury, wound healing, debridement, etc.
- Talk to the patients about medications and any changes needed.
- Compound various medications to help with wound healing.
- Help with turning and readjustments when at bedside.

Preventing pressure ulcers in hospitals: Are we ready for the change?

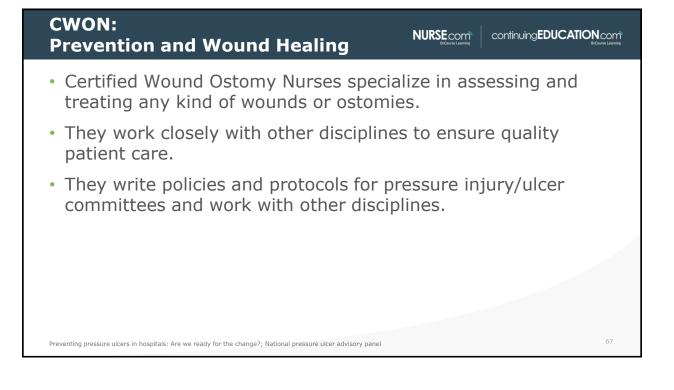
## **Physical Therapists:** continuing EDUCATION.com **NURSE**com **Prevention and Wound Healing** • Dangle the patients' legs at the bedside for repositioning. • Help patients exercise while in bed. Ambulate patients in the room and hallway. Transfer patients to a chair and back to the bed. Help with proper positioning and assist with daily functioning activities. Help to restore, maintain, and promote optimal functioning. Preventing pressure ulcers in hospitals: Are we ready for the change?

## **Physical Therapists: Prevention and Wound Healing**

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- Some physical therapists are trained specifically in wound care.
- In some facilities, PTs perform bedside debridement and dressing changes.
  - They use pulsed lavage, wound vacs, whirlpools, etc.



## Nursing, Prevention, and Wound Healing

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 Nurses are at the forefront of patient care and need to assess a patient's skin upon admission, every shift, after any test/procedure, upon transfers, and at discharge.

• Nurses are responsible for providing skin care.

Preventing pressure ulcers in hospitals: Are we ready for the change?; National pressure ulcer advisory panel

Interprofessional Teamwork				continuing <b>EDUCATION</b> cc		
	Nurse	Physical Therapist	Dietitian	Pharmacist	от	Nursing assistant
Identify signs/symptoms	$\checkmark$	√	$\checkmark$		V	√
Assess and/or monitor progression	$\checkmark$	~	$\checkmark$	√	~	
Prevention	$\checkmark$	√	$\checkmark$	√	√	√
Implement interventions	$\checkmark$	√	$\checkmark$	√	~	√
Communicate changes in patient condition	$\checkmark$	$\checkmark$	$\checkmark$	V	$\checkmark$	1

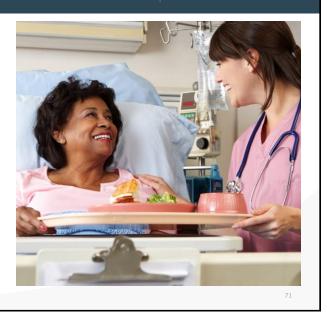
Treatment of Pressure Injuries		
Maintain organizational protocols and	policies.	
<ul> <li>Ensure redistribution of pressure.</li> </ul>		
<ul> <li>Alleviate shear and friction if possible.</li> </ul>		
<ul> <li>Keep the head of bed (HOB) at or below</li> </ul>	w 30 deg	rees.
<ul> <li>Listen to your patient: Pain is injury.</li> </ul>		
Taylor C. 2016; Thorpe E. 2016		70

## **Treatment of Pressure Injuries**

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- Nutrition and pressure relief are the two best remedies for prevention and treatment of pressure injuries.
- Unless the patient is on tube feedings, keep the head of the bed at or below 30 degrees.
- Turn the patient every 2 hours.



Taylor C. 2016; Thorpe E. 2016

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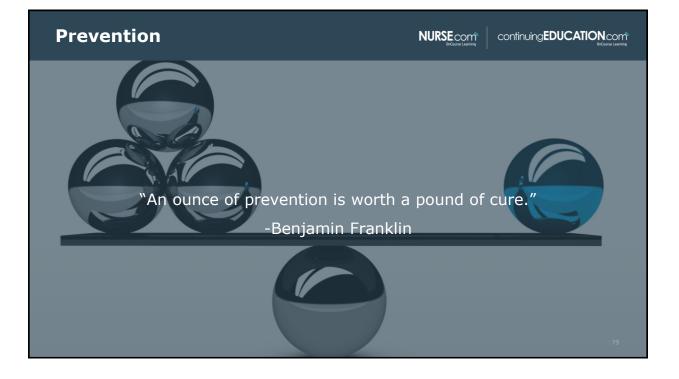


Pressure Injury Costs		
<ul> <li>Medicare guidelines:         <ul> <li>Medicare believes that pressure injurie falls and infections such as pneumonia</li> <li>Medicare will not pay anything on a ho pressure injury has occurred.</li> <li>Most insurances follow what Medicare</li> </ul> </li> </ul>	and <i>C. diffi</i> ospitalizatior	icile.
Rau J. 2016		75







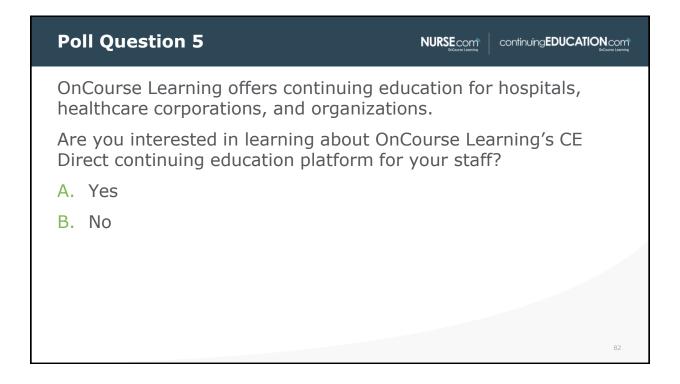


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•	<ul> <li>Cass H. A practical guide to avoiding drug-induced nutrient depletion. Nutrition Review Web site. <u>https://nutritionreview.org/2016/12/practical-guide-avoiding-drug-induced-nutrient-depletion</u>. Published December 11, 2016. Accessed on June 30, 2017.</li> </ul>					
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•	<ul> <li>National pressure ulcer advisory panel (NPUAP) announces a change in terminology from pressure ul of pressure injury. National Pressure Ulcer Advisory Panel Web site. <a href="https://www.npuap.org/national">https://www.npuap.org/national</a> announces-a-change-in-terminology-from-pressure-ulcer-to-pressure-injury-and-updates-the-stages Accessed June 30, 2017.</li> </ul>	l-pressure-ul	lcer-advisory-panel-npuap-			
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