

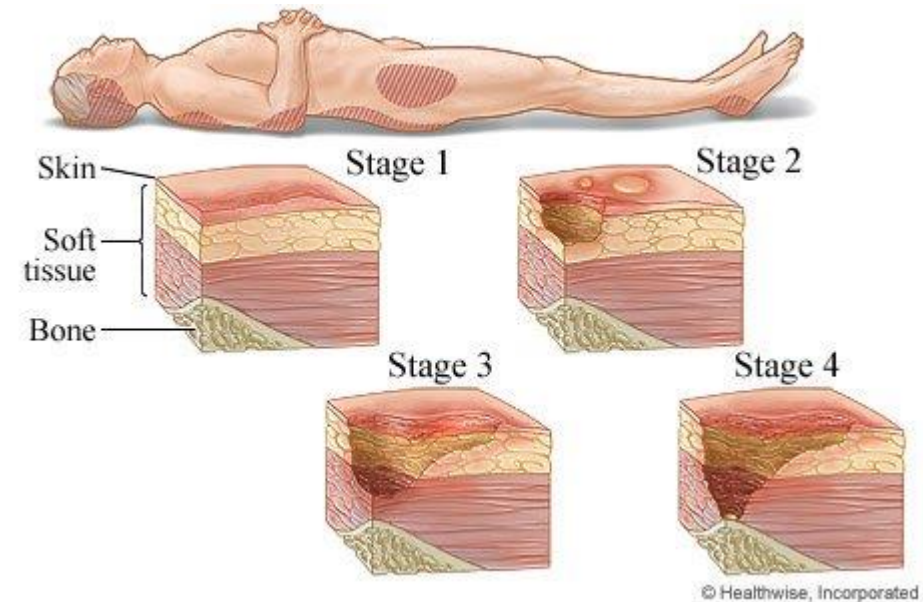


Pressure Ulcers in the Peri-Operative Setting

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By any other name... it's still not sweet

- ▶ **Bed sore**
 - ▶ **Pressure sore**
 - ▶ **Pressure injury**
 - ▶ **Pressure ulcer**
 - ▶ **Decubitus ulcers**
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- ▶ **Whatever you call it, CMS says it's a Never Event!**



Pressure Ulcer Statistics

- ▶ 2.9 million people will obtain a hospital acquired pressure ulcer each year
- ▶ Treating these pressure ulcers can cost between 20-150 thousand dollars to treat depending on the severity
- ▶ There are approximately 17,000 law suits each year related to hospital acquired pressure ulcers

Surgical Patients are at increased risk!

- ▶ The Braden Scale is not an adequate tool for surgical patients
- ▶ Surgical patients are unable to move, and left in whatever position we place them in for the duration of the case. It is important that we as nurses take additional precautions to ensure that bony prominences are protected, and joints are not hyperextended.

Pre-Operative Risk Factors

- ▶ Nutritional status (how long has the patient gone without eating)
- ▶ Mobility (is the patient immobile due to some injury)
- ▶ BMI (is the patient underweight or overweight)
- ▶ Weight loss (has the patient has a significant weight decrease recently)
- ▶ Age (is the patient on either extreme of age)

Intra-Operative Risk Factors

- ▶ Temperature (body and room)
- ▶ ASA score (how healthy is the patient)
- ▶ Moisture
- ▶ Positioning
- ▶ Surface (what kind of padding is there for the patient)
- ▶ Anesthesia (is the patient receiving general or mild sedation)
- ▶ Hypotension

Post-Operative Risk Factors

- ▶ Length of surgery
- ▶ Blood loss

Scott Triggers Risk Assessment Tool

- ▶ Standardizes risk assessment
- ▶ Unique to the surgical patient
- ▶ Identifies at risk patient
- ▶ Aids in communication between ASU, OR, and PACU staff
- ▶ Provides a documentation method for monitoring pressure ulcer risk and prevention



SCOTT TRIGGERS

Review patient record and complete data in left column. Place a check in the right column if the answer is YES. If two or more YES answers are present, this may indicate an increase risk of perioperative pressure ulcers. Use Perioperative Pressure Injury Prevention Plan (PIPP) of care.

SCOTT TRIGGERS*	Does it meet these qualifications?	If YES, please check here.
Age_____	Age 62 or Older	
Serum Albumin _____ g/L or BMI	Albumin level <3.5 g/L or BMI <19 or >40	
ASA score (circle) 1 2 3 4 5	ASA score 3 or greater	
Estimated surgery time in hours/minutes_____	Surgery time over 3 hours or 180 minutes**	

Two or more YESES = HIGH RISK SURGICAL PATIENT

Assessment Comments:

So what can we do?

- ▶ Advocate for patients
 - ▶ Whenever possible, have the patient position themselves while awake, to ensure that they are capable of.
 - ▶ Use pillows, foam and gel padding on bony prominences and frail skin
 - ▶ Prevent shear
 - ▶ Protect nerves and joints by maintaining neutral alignment and avoiding hyperextension.
 - ▶ Conduct a skin assessment on all patients before and after surgery, document finding and include skin assessment in handoff

Pre-Operative Study

- ▶ This second stage study aims to assess Nurse knowledge deficit about the risk factors, assessment of and prevention measures for pressure injury in the peri-operative period.
- ▶ We will use a Pre-Post test method. All nurses in ASU, PACU, OR, Endo and Pain will be given a pretest to complete prior to receiving education. Within 7 days of the education nurses will be asked to take a post test, and another post test will be conducted 6 months later to assess for knowledge retention.

References

- ▶ Prevention of Perioperative Pressure Ulcers Tool Kit. AORN, Inc.
<http://www.aorn.org/guidelines/clinical-resources/tool-kits/prevention-of-perioperative-pressure-ulcers-tool-kit>.
- ▶ Primiano, M., Friend, M., McClure, C., Nardi, S., Fix, L., Schafer, M., ... McNett, M. (2011). Pressure Ulcer Prevalence and Risk Factors among Prolonged Surgical Procedures in the OR. *AORN Journal*, 94(6), 555–566.
<http://doi.org/10.1016/j.aorn.2011.03.014>
- ▶ Munro Pressure Ulcer Risk Assessment Tool
<https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&cad=rja&uact=8&ved=0ahUKEwizkunou87XAhVHGt8KHewbCC8QFggwMAE&url=https%3A%2F%2Fwww.aorn.org%2F-%2Fmedia%2Faorn%2Fguidelines%2Ftool-kits%2Fpressure-ulcer%2Fmunro-pressure-ulcer-risk-assessment-scale.xlsx%3Ft%3Den&usg=AOvVaw2dYNHif9L9Ujfn6UAKYdkt>