

Learning Objectives

- Become comfortable with an algorithm to manage most wounds
- Be able to select a dressing to manage drainage, odor, bioburden
- Recognize other situations where a wound care center could be helpful (i.e. when to refer)

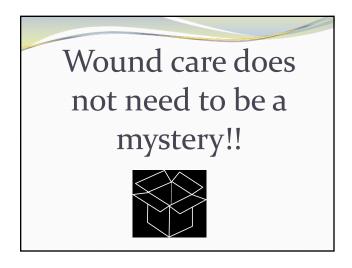
Overview

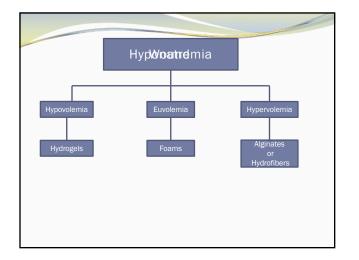
- Epidemiology
- Wound treatment in general
- Other situations where a wound care center could help
- Case studies

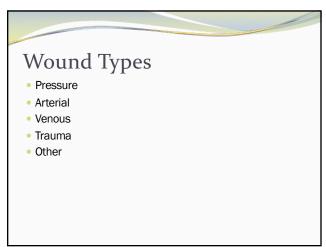
Epidemiology

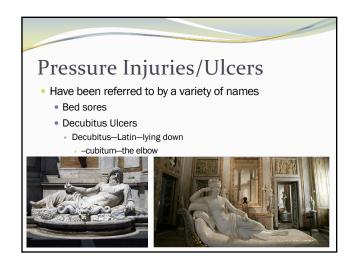
- 1-2% of the population in developed countries will experience a chronic wound (3 months)
- In the US alone, 6.5 million patients are treated each year at a cost of \$25 billion

Physician Education Medical School Study in 2008: 9.2 hours Case study 1998 (n=1):0!!! Survey by Yim in 2014 published in Wound Repair Regeneration: Wound healing in US medical school curricula. 134 medical schools surveyed. 55 replied. Seven with wound healing elective Internal Medicine Residency No requirement

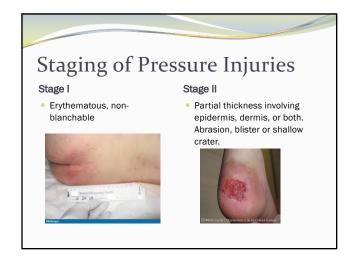


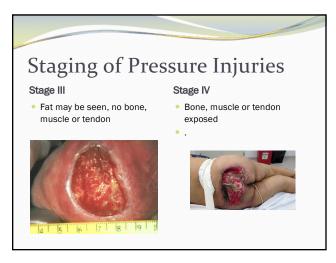






Pressure Ulcers/Injuries The only category of wounds that uses Stage I-IV Important for a variety of reasons Accuracy, wound product coverage, legally Staging has ramifications for reimbursement/penalties Can be quite difficult in certain locations— Nose, occiput Need to see the base—unstageable if not visible Unavoidable??

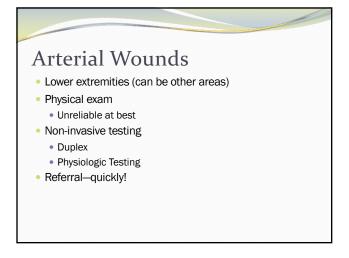




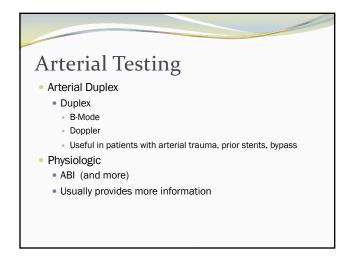


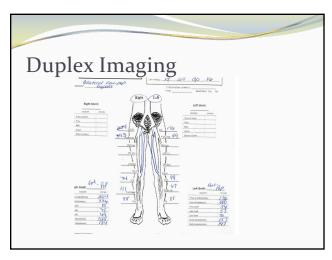
NPUAP

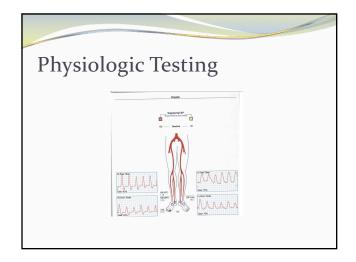
- With the exception of the recommendation for frequent repositioning and using appropriate dressings for drainage control, all of the recommendations are rated a "C" meaning that the recommendation is supported by expert opinion or indirect evidence.
- Frequent repositioning is a "B"
 - Supported by direct clinical evidence
- Foam or absorbent dressings: "B"

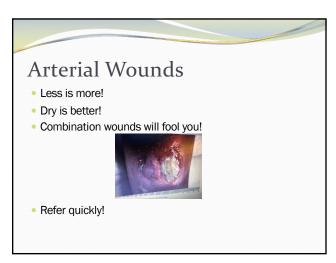


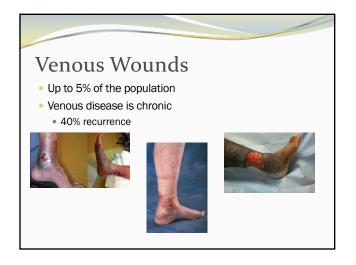


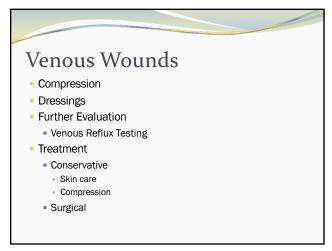


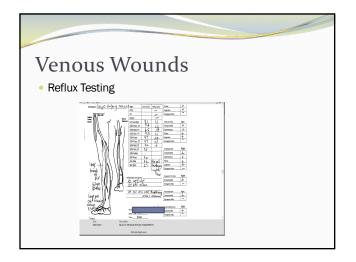


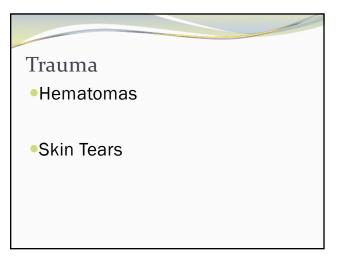




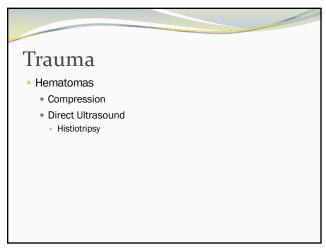






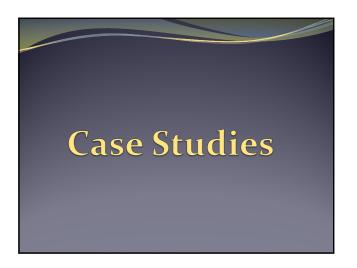












Case 1

- 99 year old female with multiple medical problems
- Extensive history of peripheral arterial disease
 - Bypass, stents, PTA, no further options for revascularization (9/2016)
- Living with her daughter
- Hospitalized for urosepsis and experienced significant decline in mental status
- Severe bilateral foot wounds







Arterial Wounds

- Pain control!!
- Betadine or skin prep
- One of the few times wounds should be kept dry (exception to the algorithm)
- DO NOT SOAK!
- Pressure relief

Case 2

- 58 yo female hairdresser
- Swelling for years, skin breakdown 9/2016
- ER in November, admitted, severe pain
- "Found" her in the vascular lab
- Severe bilateral swelling, circumferential wounds affecting both calves, very heavy drainage







Case 3

- 85 year old lady who first presented to us in 2015 with edema and superficial skin breakdown
- PMHx minimal
 - Hypertension
 - Pseudogout
 - Venous insufficiency
- Despite age, very active
 - Volunteers at symphony
 - Travels regularly to California



Case 3

- 35 wounds!
- Non-adherent dressings
- Compression (preventative and therapeutic)
- NO adhesive ever!!

When and how quickly to refer?

- When?
 - A wound that has not healed in 2-4 weeks
 - If you are uncomfortable/concerned with the situation
 - If the patient is uncomfortable/concerned
- How quickly?
 - How long has the wound been present?
 - Type of wound
 - Arterial vs venous

Who to refer to?

- Wound center?
- Plastics?
- Dermatology?
- ER?
- Rheumatology?

