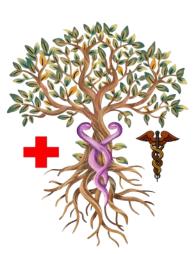


Basic Wound Care

Mike Dacre | Wee Free Medic (wfmed.org)



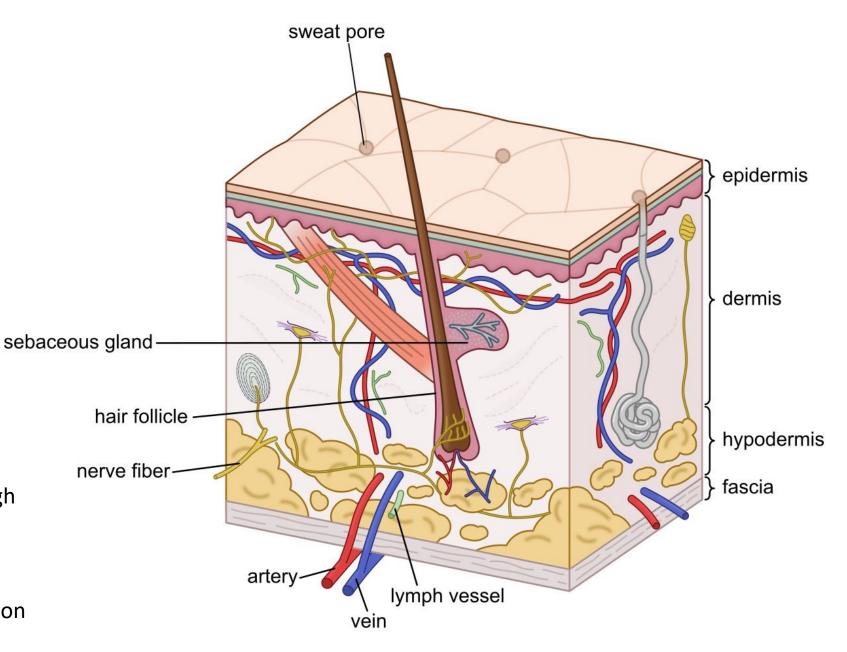
Basic Wound Care

- Principles
 - Kinds of Wounds
 - Optimizing Healing
- Cleaning
- Bandaging
- Red Flags for Higher Care

Layers of Skin

Most chronic wounds extend through the dermis and into the hypodermis (fat/blood vessels).

If they break the bottom fascia level and muscle is showing, lethal infection risk is extremely high.



Types of Wounds/Barriers to Healing

- Wounds happen because of an injury*, they struggle to heal if:
 - Not enough oxygen (blood)
 - Not enough getting there (arterial blockage or diabetes)
 - Not enough getting out (bad veins/lymph/etc)
 - Too much inflammation/irritation
 - Bacteria
 - Dirt
 - Chemicals
 - Scratching/reinjury

^{*}injuries are more likely with diabetes and some other things because you can't feel your feet

Optimizing Healing

- To help wounds get better, we thus need to:
 - Improve blood flow (more advanced wound care)
 - Reduce inflammation/irritation ==

KEEP IT CLEAN!

- Recognize when it needs more, e.g.
 - debridement (lots of dead skin/black)
 - advanced bandaging (bad swollen legs)
 - surgery (lots of bleeding, black dead parts)
 - antibiotics (bad infections [last slide])



Cleaning

- Cleaning is the most important thing in wound care
- Most useful = soapy water
- Sterile saline works great →
 - Can make your own: clean water and 9g of table salt
- Avoid caustic cleaning
 - For small wounds, hydrogen peroxide works well, don't use on big open wounds
- Dakin's solution is great for chronic wounds
 - My favorite formula: in one Nalgene (one liter) of warm clean (not sterile) water:
 - 9 g (~1.5 teaspoon) of table salt (stops the water from wrinkling the wound)
 - ~ 1 tablespoon of bleach (relatively strong because we use it as a wash), can also do 1-2 teaspoon
 - A little dish soap
 - Use this to clean wounds and gently scrub them with gauze



Bandaging

- No antiseptics on open wounds ever!
 - · Can use on unbroken skin adjacent to wound
- Barrier to prevent bacteria is the best: petrolatum
- Need a sterile bandage against the wound surface
 - · After that, clean is fine
- Can use xeroform on wet oozing wounds, or a thick layer of petroleum jelly with regular gauze
- Wrap loosely, do not make compression bandage unless a wound care professional says to
 - Hard to tell if its venous insufficiency/lymphedema (need compression) vs arterial issue (compression very bad)
- Cover with a tougher elastic bandage, wrapped loosely
- Secure with tape at the top and bottom



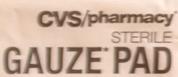












12-PLY DESIGN



Ultra-soft, absorbent material pulls away excess fluid from the wound, reducing risk of infection.

DIRECTIONS: Gently clean the wound using the gauze pad with mild soap and water. Carefully dry the affected area and apply medication (not included) if needed.

> 1 LATEX-FREE PAD 4 in x 4 in (10.1 cm x 10.1 cm)

> > "Rayon-polyester blend

For best results, use CVS/pharmacy* first aid products, and follow the 1-2-3 Treatment, Starting guaranteed unless including empow has been opened or damaged. Single-use only, Do not reuse.

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CVS Quality

WITEAR WEAPPER TO OPEN W

WARNING: In cases of deep puncture wounds and serious burns, cornell a physician.



Clean with Water and Gauze







Barrier Layer of Petrolatum

Sterile Gauze on Skin

- Loosely cover
- Petrolatum gauze is best for wet/oozing wounds
- Regular sterile gauze fine for dry wounds





Loose Wrapped Bandage

Tape it at the top and bottom (not shown)



Red Flags

Should go to doctor/hospital

- Extreme pain
- Wound on one leg
- Hot or cold, one side more than the other
- Streaking
- Crunchiness or crackles
- Active heavy bleeding



Thank You! Your Work Matters

I'm always available for questions
Call or text anytime

mike@weefreemedic.org

650-239-0692 | 858-652-0552





