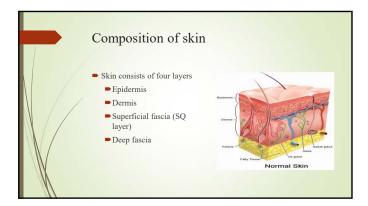
Evaluation and Treatment of Skin Injuries Carol O'Mara DNP, APRN, FNP-C Robert Hieger, MSN, APRN, FNP September 2018

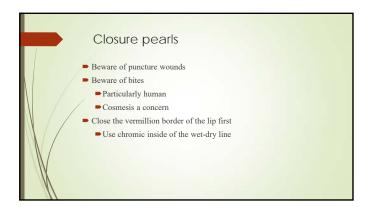




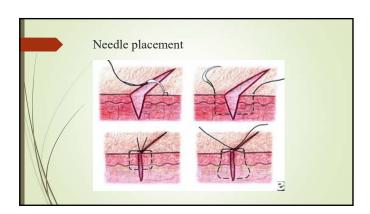
Wound Assessment and Documentation Length of wound Anatomic location Depth of wound Foreign body Function of area and region distal Neuromuscular and vascular assessment of the area around and distal to the wound Do prior to anesthesia Jewelry

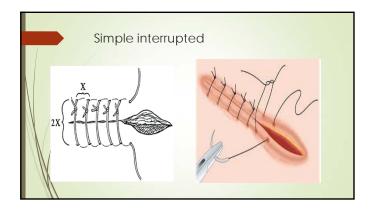
Wounds – Physical ex	um
■ Is bleeding controlled?	■ The 6 P's of evaluation
Depth, length, width, & nature of wound	Pain
 Extent of bruised or necrotic tissue 	■ Pallor
Flaps of skin too thin for adequate vascularity	▶Pulses
Obvious skin / wound contamination	■ Paresthesia
► Function preserved or lost in affected	■ Paralysis
part Underlying fracture	Pressure
 Possible foreign body 	

Closure pearls
 Close all structural layers Treat the tissues gently Do not add trauma Approximate the dermal – dermal interface This layer is the only wound edge to heal by primary intention If area of tension or possible inversion Vertical mattress suture

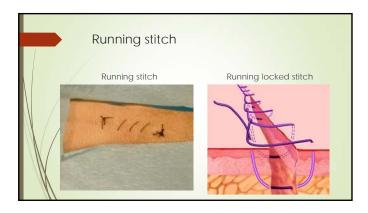




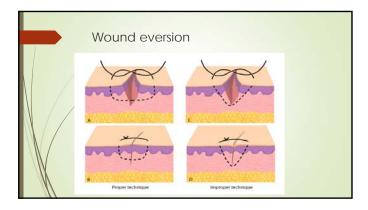




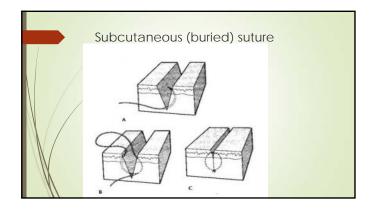




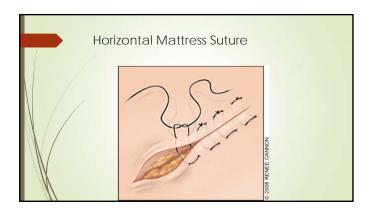




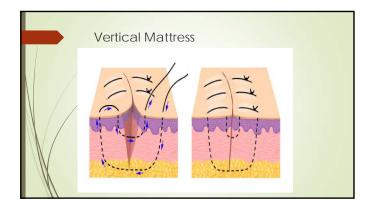








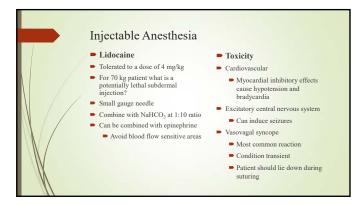






Anesthesia- injectable Act by diffusing across neural sheaths and interfere with depolarization Given subdermal Given subdermal Blocks c-fibers only; still have vibration Esters (Novacaine, Cocaine) Rarely used unless "amides" contraindicated Amides (lidocaine, sensoreaine/bupivicaine) Most common usage

Pharmacology of Local Anesthetics Local anesthetics have a lipid soluble hydrophobic aromatic group and a hydrophilic amide group Ester linkage more easily broken than ammide Amide is heat stable Esters produce para-aminobenzoate (PABA) which causes allergic reactions. Work by interfering with sodium influx across the nerve membrane High lipid solubility allows for neural sheath solubility Drug passes through lipid membrane if unionized Alkaline environment required for drug to be unionized





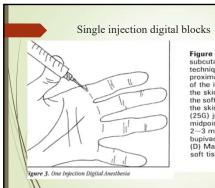


Figure 1 Single injection subcutaneous digital nerve block technique. (A) Landmark. Identify the proximal skin crease on the volar aspect of the injured finger. (B) After cleaning the skin, use one hand to gently pinch the soft tissues of the finger just distal to the skin crease. (C) Insert the needle (25G) just beneath the skin at the midpoint of the skin crease. Inject 2—3 millilitres of warmed 0.5% bupivacaine into the soft tissues.

(D) Massage the anaesthetic into the soft tissues.





