70. The most prevalent form of fibrous protein in the dermis is:
   a. elastin
      *Elastin is present in the dermis but is less prevalent than collagen.*
   b. collagen
      *Collagen is the most prevalent form of fibrous protein in the dermis.*
   c. fibrin
      *Fibrin is the end product of the coagulation cascades and is not normally found in intact dermis.*
   d. dermatan sulfate
      *Dermatan sulfate, a glycoprotein, is present in dermis but is less prevalent than collagen.*
   e. cytokines
      *Cytokines are found in the dermis only in small quantities.*
Correct answer is: b
Section: Late Wound Healing Events
Reference: page 111

81. Local factors which invite wound infection include all of the following EXCEPT:
   a. poor circulation
      *This is a correct statement. Infection is more likely in the presence of poor circulation.*
   b. radiation injury
      *This is a correct statement. Infection is more likely in the presence of radiation injury.*
   c. disruption of fascia
      *Depth of injury into the fascia has not been identified as a wound characteristic that predisposes to infection.*
   d. foreign material
      *This is a correct statement. Infection is more likely in the presence of foreign material.*
   e. hematoma
      *This is a correct statement. Infection is more likely in the presence of hematoma.*
Correct answer is: c
Section: Disturbances of Wound Healing: Local Factors
Reference: page 116
82. Healing of open wounds in patients taking adrenocortical steroids can be improved by topical application of:
   a. normal saline
   Normal saline has not been demonstrated to reverse a steroid-induced inhibition of healing.
   b. vitamin C
   Vitamin C has not been demonstrated to reverse a steroid-induced inhibition of healing.
   c. povidone-iodine
   Povidone-iodine has not been demonstrated to reverse a steroid-induced inhibition of healing.
   d. vitamin a
   Vitamin a reverses most of the wound healing inhibition induced by corticosteroids.
   e. interferon-gamma
   Interferon-gamma has not been demonstrated to reverse a steroid-induced inhibition of healing.
   Correct answer is: d
   Section: Disturbances of Wound Healing: Systemic Factors
   Reference: page 118

83. The best solution to use for topical dressings in most open wounds is:
   a. normal saline
   Normal saline does not damage cells and is well tolerated by wounds. It is an excellent wound
   irrigant.
   b. Dakin’s solution
   Dakin’s solution is damaging to cells and is less desirable than normal saline.
   c. povidone-iodine solution
   Povidone-iodine solution is damaging to cells and is less desirable than normal saline.
   d. chlorhexidine solution
   Chlorhexidine is damaging to cells and is less desirable than normal saline.
   e. sterile water
   Sterile water is slightly damaging to cells and is less desirable than normal saline.
   Correct answer is: a
   Section: Wound Closure
   Reference: page 121
90. All of the following processes occur during the intermediate phase of wound healing and predominate between 2 and 4 days after wounding EXCEPT:

a. Mesenchymal cell chemotaxis  
   *This is a correct statement.*

b. Mesenchymal cell proliferation  
   *This is a correct statement.*

c. Angiogenesis  
   *This is a correct statement.*

d. Epithelialization  
   *This is a correct statement.*

e. Glycoprotein synthesis  
   Glycoprotein synthesis occurs synchronously with collagen synthesis and is not one of the intermediate wound healing processes. Intermediate wound healing processes include mesenchymal cell chemotaxis, mesenchymal cell proliferation, angiogenesis and epithelialization.

Correct answer is: e  
Intermediate Wound Healing Events.  
Reference: page 110

104. Patient characteristics known to contribute to impaired healing include all of the following EXCEPT:

a. Generalized malnutrition  
   *This is a correct statement.*

b. Cancer  
   *This is a correct statement.*

c. Diabetes  
   *This is a correct statement.*

d. Old age  
   *This is a correct statement.*

e. Normovolemic anemia  
   Generalized malnutrition, cancer, diabetes and old age all slow the healing process. Normovolemic anemia has not been associated with impaired healing.

Correct answer is: e  
Section: Disturbances of Healing: Systemic Factors  
Reference: page 118
109. Methods to decrease wound infection include all of the following EXCEPT:
   a. Careful approximation of multiple layers of subcutaneous fat
      *Approximation of multiple layers of fat has been associated with an increased infection rate.*
   b. Debridement of all nonviable tissue
      *This is a correct statement.*
   c. Pressurized wound irrigation
      *This is a correct statement.*
   d. Removal of all foreign bodies
      *This is a correct statement.*
   e. Carefully establish hemostasis prior to wound closure
      *This is a correct statement.*
   
   Correct answer is: a
   
   Section: Wound Closure.
   Reference: page 121

110. Which of the following is correct regarding split thickness skin grafts?
   a. Generally change in color after transfer
      *Split thickness skin grafts generally do not maintain their color with transfer.*
   b. Reliably transfer hair if taken from hair bearing areas
      *Only full thickness grafts reliably transfer hair when taken from hair bearing areas.*
   c. Grow commensurate with the patient
      *Only full thickness grafts grow commensurate with the patient.*
   d. Never regain sebaceous activity
      *Split thickness skin grafts regain sebaceous activity if they are thick enough to include sebaceous glands.*
   e. Always require replacement if placed on the sole of the foot
      *Split thickness skin grafts can be very durable, even on the sole of the foot, and they do not always require replacement.*
   
   Correct answer is: a
   
   Repair of Skin Wounds: Wound Closure.
   Reference: page 121
114. The preferred donor site for a skin graft to be placed on the nose is the:
   a. Thigh
      It is preferable to use skin grafts from the above the clavicles for wounds on the face because the color match is superior. Therefore the thigh would not be the preferred donor site for a graft for a nasal wound.
   b. Abdomen
      It is preferable to use skin grafts from the above the clavicles for wounds on the face because the color match is superior. Therefore the abdomen would not be the preferred donor site for a graft for a nasal wound.
   c. Retroauricular area
      It is preferable to use skin grafts from the above the clavicles for wounds on the face because the color match is superior. The retroauricular area would be the best of the listed potential donor sites.
   d. Buttock
      It is preferable to use skin grafts from the above the clavicles for wounds on the face because the color match is superior. Therefore the buttock would not be the preferred donor site for a graft for a nasal wound.
   e. Upper Back
      It is preferable to use skin grafts from the above the clavicles for wounds on the face because the color match is superior. Therefore the upper back would not be the preferred donor site for a graft for a nasal wound.
Correct answer is: c

Reference: page 121

118. Lidocaine with epinephrine should not be used in which one of the following locations?
   a. Nose
      The nose is supplied by multiple blood vessels and epinephrine can safely be used in this location.
   b. Finger
      Epinephrine should be avoided in anatomic areas such as the finger where the blood supply is primarily from relatively small axial vessels. Epinephrine can induce vasospasm which can lead to damage to the part.
   c. Ear
      The ear is supplied by multiple blood vessels and epinephrine can safely be used in this location.
   d. Scalp
      The scalp is supplied by multiple blood vessels and epinephrine can safely be used in this location.
   e. Leg
      The leg is supplied by multiple blood vessels and epinephrine can safely be used in this location.
Correct answer is: b

Reference: page 121