



## Faculty of Nursing

### Surgical Term Exam

2<sup>nd</sup> year – 2<sup>nd</sup> Term

Year 2009/2010

Time 3 hours

Date of Exam 12/6/2010

Total marks (100)

*[II] Define the following Terms.*

(10 Marks)

- |                    |                             |
|--------------------|-----------------------------|
| 1- Colostomy       | 2- Paracentesis             |
| 3- Transudates     | 4- Exudates                 |
| 5- Empyema         | 6- Tension Pneumothorax     |
| 7- Blister         | 8- Clean Contaminated wound |
| 9- Atherosclerosis | 10- Joint Dislocation       |

*[III] Circle the best answer from the Following:* (15 Mark)

1- Open wound has many figures include:

- |               |                                   |
|---------------|-----------------------------------|
| a- Contusion  | b- Abrasion                       |
| c- Stab wound | d- Bluish patches by blunt trauma |

2- During suture removal you have to do all of this steps except:

- |                          |                          |
|--------------------------|--------------------------|
| a- Apply clean gloves    | b- Check physician order |
| c- Prepare sterile field | d- Inspect the wound     |

3- Granulation tissue formation of the wound include:

- |  |  |
|--|--|
| a- Epithelial tissue formation.            |  |
| b- Formation of fibrin network.            |  |
| c- Immediate formation of Collagen fibers. |  |
| d- Formation of necrotic tissue.           |  |

*Half Answer*

III) Sign True or False:

(15 Mark)

- 1- Penetrating wound usually occurs intentionally. ( )
- 2- Cold fomentation is very useful in treatment of contusion during the 1<sup>st</sup> 24 hours of trauma. ( )
- 3- Colonized wound usually containing multiple microorganisms as traumatic or accidental wound. ( )
- 4- Hydrogen peroxide (3%) is a very effective solution to clean the hemodialysis units floors. ( )
- 5- A Hemovac drain system relies on the presence of a vacuum to withdraw accumulated drainage into a suction bladder or bag. ( )
- 6- Ugly scar occurs in gaped or infected wound. ( )
- 7- Immobilization is very important in wound healing to improve the wound vascularity. ( )
- 8- Burned patients are prone to gastric and duodenal ulcers because of hypersecretion of bile salt. ( )
- 9- Aggressive wound debridement is essential to the removal of potential sources of infection in burned wound. ( )
- 10- Warfarin dose (oral anticoagulant) must be adjusted to DVT patient according to Prothrombin time and concentration. ( )
- 11- Irreducible hernia is more liable to get obstructed or strangulated. ( )
- 12- comminuted fracture is a fracture in which the bone fragments are driven in ward. ( )
- 13- Internal fixation by plates, nails and pins is the most common surgical approach to restore bones to it's position by closed reduction technique. ( )
- 14- Spinach, strawberries, tea and peanuts must be increased in patient with renal stone to improve nutritional status. ( )
- 15- Lymphoedema is defined as tissue swelling due to failure of lymph drainage and axillary surgery. ( )



- 11- Stop smoking at least six to eight weeks prior to thyroidectomy operation :-----
- 12- Instruct the patient to hold the breath after deep inhalation and exhalation for up to 10 seconds as the needle of liver biopsy is inserted and withdrawn:-----
- 13- Keep the patient on a right side lying position with a small pillow under the site of liver biopsy for several hours:-----
- 14- Give pre-procedural medications as vitamin K as ordered before liver biopsy:-----
- 15- Empty the pouch of colostomy when one third full of stool or flatus:-----
- 16- Open, unused sterile articles are no longer sterile after the procedure-----
- 17- Any patient with renal stones should drink at least 8 glasses of water daily unless contraindicated:-----
- 18- The patient with calcium renal stone advised to restrict the protein and sodium in his diet:-----
- 19- To treat contusion, strains and sprains you must apply moist or dry cold compresses intermittently for 20 to 30 minutes during the first 24 hour after injury:-----
- 20- You must insert a nasogastric tube in case of intestinal obstruction:-----



**[V] Complete the following:**

**(20 Mark)**

1- Hematoma is localized collection of blood due to rupture of blood vessel and fated to-----

2- Local factors affecting wound healing are-----

3- For major burns (second and third degree burns) the first aid measures are:-----

4- Burn injured patient are at risk for the development of post traumatic stress disorder (PTSD). The symptoms of PTSD are:-----

5-Prophylactic treatment of DVT includes:-----

6- Burst abdomen is a complete disruption of an abdominal incision in the early postoperative period and is treated by:-----

7- The postoperative complications of inguinal Hernia are:-----

8- Clinical manifestations of fractures are:-----

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**4- Fourth degree burn include:**

- a- Damage of subcutaneous tissue.
- b- damage of deep dermis.
- c- Compartment syndrome due to damage of hypodermis.
- d- Involvement of papillary dermis.

**5- Fluid resuscitation of burned patient must be guided by:**

- a- Vital signs every 2 hours.
- b- Blood pressure measurement only.
- c- Urine output and central venous pressure.
- d- Antibiotic administration.

**6- Paralytic ileus occurs after burn due to:**

- a- Occult blood in stool.
- b- Blood vomitus.
- c- Gastric and duodenal erosion.
- d- Decreased blood supply to mesenteric area.

**7- Hydrotherapy of burned patient has a lot of advantages except:**

- a- More comfortable method of wound dressing.
- b- Loosens debris and scare.
- c- Usage of plain water.
- d- High energy expenditure..

**8- Acute arterial thrombosis may be predisposed by:**

- |                            |                           |
|----------------------------|---------------------------|
| a- Pulmonary embolism.     | b- Dehydration and fever. |
| c- Intestinal Obstruction. | d- Strangulated Hernia.   |

**9- Hypercoagulability is the main cause of deep vein thrombosis and may be caused by:**

- |   |                          |
|---|--------------------------|
| a- Oral Contraceptives and dehydration. | b- Change in blood flow. |
| c- Trauma and inflammation.             | d- All of the above.     |

9- List the possible nursing diagnoses of patient in traction:

10- Diagnostic investigation of breast disorders includes:

**[VI]** *(10 marks)*

**Mrs Laila admitted to hospital with 50% burned area, her weight is 40 kg.**

- a- Calculate the fluid replacement of Ringer solution according to the Parkland formula?
- b- According to this formula you must give Mrs Laila half of the volume in the 1<sup>st</sup> 8 hours post injury and the rest in the subsequent sixteen hours. How to calculate the infusion drips of ringer solution over 24 hour.
- c- What are the complications which may happen to Mrs Laila.



[IV] Give Rationale for the following:

(20 Mark)

- 1- Using an open drain system (Penrose drain) or closed drain system (Hemovac) to:-  
-----
- 2- Dress the wound from the center to outward in one direction to:-  
-----
- 3- Check the bandage after application if too tight or too loose:-  
-----
- 4- Application of cast to:-  
-----
- 5- Immediately place an occlusive dressing over the site of chest tube after pulling it out:  
-----
- 6- Escher must be removed from the burned wound to:-  
-----
- 7- A chest tube is inserted to:-  
-----
- 8- Encourage finger, wrist and elbow movement of the affected arm after 48- 72 hour of mastectomy:  
-----
- 9- Keep the bottle of chest tube below the level of the chest:  
-----
- 10- Do not measure the blood pressure or take a blood sample from the affected limb after mastectomy:  
-----

10- Inguinal Hernia may be worsened by:

- a- Eating spicy food.
- b- Weight loss.
- c- Diarrhea.
- d- Chronic cough.

11- Strangulation of Hernia may occur after prolonged use of truss due to:

- a- Relaxation of the abdominal wall.
- b- Edema due to repeated attempts of reduction.
- c- Intestinal spasm.
- d- Sharp pain in the abdomen.

12- Peritonitis is a major complication of intestinal obstruction which need immediate medical intervention to prevent:

- a- Perforation of the intestine.
- b- Abdominal Pain.
- c- Shock and Hypotension.
- d- Inflammation of the bowel.

13- Elastic compression bandage used to treat contusion and sprains to:

- a- Reduce muscle tension.
- b- Control bleeding.
- c- Increase edema.
- d- Promote mobilization of injured tissue.

14- The woman after mastectomy is advised to:

- a- Avoid drinking hot fluids.
- b- Avoid dressing of tight clothes.
- c- Avoid injection and vein puncture.
- d- Avoid limb exercises.

15- The patient after cervical disc prolapse operation must be advised to: a- Keep the head in a neutral position while sleeping.

- b- Move freely while working.
- c- drink a lot of fluids during the day.
- d- drive his car safely.

٨ [10 Marks]



Mr. A admitted to the ER with severe low back pain , numbness of Rt. Lower limb , after physical examination , Pt. referred to neurosurgical ward to prepare him for lumber disc prolapse laminectomy of lumber 5-sacral 1 (L5-S1) region . NSAIDs and systemic corticosteroids administered to counter the inflammation of the affected nerve roots.

a- In the light of Mr .A case define Laminectiony.

b- Apply nursing process in developing nursing care plan for patient undergoing a discectomy.

*Good luck& best wishes*