**PART A**

**Please answer the following 5 questions using the scenario. You do not need to write paragraphs for this Critical Thinking- copy and paste below, and answer the questions.**

**Scenario:** A 72-year-old client, with a history of heart failure HF and allergy to peanuts, has been in the surgical critical care unit for past 3 days following abdominal surgery for stomach cancer. The client’s central line has become thrombosed and was successfully replaced.

1. Highlight the assessment findings that require immediate follow-up by the nurse:

Approximately 10 minutes after the insertion, the client reports feeling flushed and states, “my heart is just racing.” The client is visibly flushed and clammy to the touch. Vital signs include blood pressure (BP), 60/Doppler; heart rate (HR), 160; respiratory rate (RR), 30; and temperature (T), 99°F.

**Scenario:** After the initial sudden appearance of signs and symptoms, the client continues to become more flushed and reports, “a lump in my throat.” Audible wheezing can be heard at the bedside as the client exhales. The client appears apprehensive and is moving restlessly in the bed.

2. (Fill in the blank) Choose the most likely options for the information missing from the statement below by selecting from the list of options provided.

Based upon the demonstration of \_\_\_**1** \_\_\_, \_\_\_**1**\_\_\_, \_\_\_**1**\_\_\_, \_\_\_**1**\_\_\_ and \_\_**1**\_\_\_ the diagnosis of \_\_\_\_\_**2**\_\_\_\_ is made.

|  |  |
| --- | --- |
| **Option 1** | **Option 2** |
| Audible wheezing | Cardiogenic Shock |
| Generalized flushing | Anaphylactic Shock |
| Cardiac diagnosis | Hypovolemic Shock |
| Known allergy | Pulmonary Embolism |
| Recent surgery | Acute Congestive Heart Failure |
| Restlessness |  |
| Tachycardia |  |
| Hypotension |  |
| Client’s age |  |

**Scenario:** It has been decided that the client’s anaphylactic shock reaction was due to an allergy to latex. Supplemental oxygen was provided via nonrebreather mask. Intravenous (IV) vasopressor was administered and lactated Ringer (LR) was hung.

3. Choose the most likely options for the information missing from the statements below by selecting from the lists of options provided.

Based on the treatment goals and interventions already initiated, the client’s priority need will be to \_\_\_\_\_\_\_\_\_\_\_\_\_\_**1**\_\_\_\_\_\_\_\_\_\_\_\_. This will be best accomplished by initially administrating \_\_\_\_\_\_\_\_\_\_\_\_**2**\_\_\_\_\_\_\_\_\_\_\_\_ followed by \_\_\_\_\_\_**3** \_\_\_\_\_\_ and \_\_\_\_\_**3**\_\_\_\_.

|  |  |  |
| --- | --- | --- |
| **Option 1** | **Option 2** | **Option 3** |
| Reverse biochemical mediators | IV epinephrine | IV epinephrine |
| Stabilize blood pressure | IV diphenhydramine | IV diphenhydramine |
| Stabilize respiratory rate | IV hydrocortisone | IV hydrocortisone |

**Scenario:** The interventions have resulted in the stabilization of the client’s breathing, heart rate and blood pressure. The client is now resting quietly. It is at this time that the nurse begins to revise the client’s plan of care to minimize the client risk for injury while maximizing client safety.

4. Which actions would the nurse include in the plan of care at this time? **Select all that apply**.

1. Monitor mental status daily to note changes in cognition and/or behavior indicative of anoxic injury.

2. Remove all products containing latex from the client’s immediate environment.

3. Clearly post notice of client’s latex allergy in view of staff and visitors.

4. Place automatic epinephrine injector for ease of rapid access.

5. Include existence of latex allergy into client medical record.

6. Place properly identified allergy bracelet on client.

7. Monitor electrocardiogram for ischemic changes.

**Scenario:** It has been 3 days since the client experienced the anaphylactic reaction to latex and 2 days since being transferred out of the surgical critical care unit to a postsurgical unit. In this period the client has had no contact with any latex products during direct care or treatment interventions. There has been no reoccurrence of allergic signs or symptoms and no indication of resulting organ damage related to the original allergic episode. The client has recovered sufficiently from the partial gastrectomy and discharge is planned for the am.

**5.**Use an X  to indicate which information listed in the left column would be included in the client’s discharge instructions to avoid future episodes of latex induced anaphylaxis.

|  |  |
| --- | --- |
| **Information** | **Included in discharge instructions** |
| Common products containing latex |  |
| Common cross-sensitivities to a latex allergy |  |
| Ways to minimize contact with latex containing products |  |
| Recognition and response to the early signs and symptoms of an allergic reaction |  |
| Effective self-administration of epinephrine |  |
| Cost of various forms of epinephrine injectors  At least 2 total references required (textbook and any additional sources)   * In-text citations used correctly * References formatted correctly |  |

PART B

**Please write up in paragraph format (for each lab value) the rationale as to why you picked the answer that you did.**

A 34-year-old cyclist is brought to the emergency department after being involved in a mountain bike crash that caused the client to be slammed against a tree. Initial laboratory results show:

|  |  |
| --- | --- |
| Hemoglobin | 7.9 g/dL |
| White blood count | 1800/L |
| Platelet count | 100,000/L |
| Potassium | 5.5 mmol/L |

For each laboratory result, use an X to indicate what action should be taken from the provided options. Only one action can be made for each result. Actions can be used only once.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Result** | **Actions** | **Action** | **Action** | **Action** |
| **Anticipate type and cross matching** | **Implement cardiac monitoring** | **Monitor for inflammatory responses** | **Anticipate either fresh or frozen replacement** |
| Hemoglobin |  |  |  |  |
| White blood count |  |  |  |  |
| Platelet count |  |  |  |  |
| Potassium |  |  |  |  |

At least 2 total references required (textbook and any additional sources)

* In-text citations used correctly
* References formatted correctly

**RUBRIC**

**Critical Thinking Assignments**

These assignments are designed to help you think through the material that you have learned from the week, and to connect your new learning, to your current knowledge in order to see the “big picture”.

|  |  |  |
| --- | --- | --- |
| Requirements | Points | Score |
| Must be your own, original thoughts incorporating new knowledge learned from class/the book (include book reference) and new knowledge gained from outside sources (requires 1 academic reference). Up to 3 points | 3 points |  |
| At least 2 total references required (textbook and any additional sources)   * In-text citations used correctly * References formatted correctly | 1 point |  |
| Must include at least 1 well written paragraph per question | 1 point |  |
| **Total Score** | |  |