

UNIT 2 CASE STUDY BASED PUZZLES

TOPIC 4 – PLAZMA VOLUME EXPANDER

PUZZLE-1 The Accident Case



Puzzle Questions:

1. What class of drugs should be immediately administered to restore circulation?
2. Should a crystalloid or colloid be preferred initially? Why?
3. Name one natural and one synthetic plasma volume expander suitable in this case.

Puzzle 2: A BURN PATIENT



Puzzle Questions:

1. Which plasma volume expander would be most appropriate here?
2. Why is **albumin** preferred over crystalloids in this condition?
3. Mention one disadvantage of using plasma protein solutions.

Puzzle 3: The Post-Surgery Drop



Puzzle Questions:

1. Which type of plasma expander has a **long intravascular half-life**?
2. Identify the most suitable agent.
3. Why is this agent preferred over normal saline?

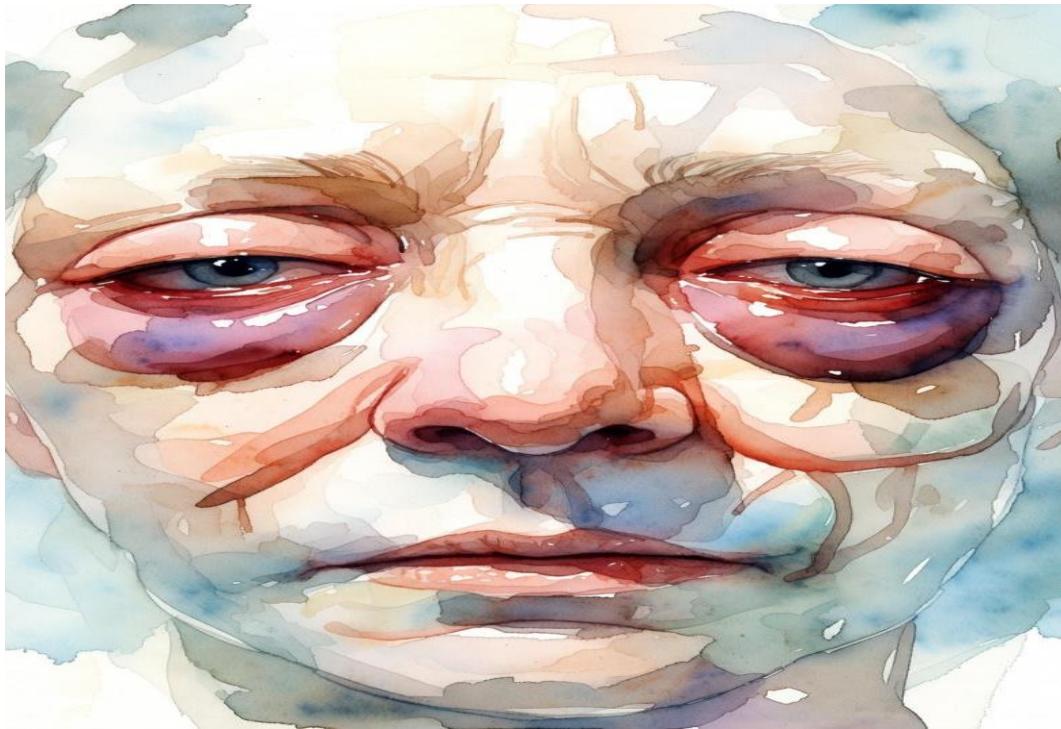
Puzzle 4: The Allergic Reaction



Puzzle Questions:

1. Which plasma volume expander is most commonly associated with **anaphylactic reactions**?
2. What immediate action should be taken?
3. Name a **safer alternative** for future use.

Puzzle 5: Identify the Drug



Puzzle:

- Which group of drugs is used in this situation?
- Name one example.