

SEMESTER I

BLOOD MODULE

Learning Objectives:

By the end of the CBL, students will be able to

1. Describe different types of hyper-sensitivity reactions
2. List the examples of different hyper sensitivity reactions
3. Understand the mechanism of anaphylaxis

CBL. SCENARIO

20 years old male patient arrives in the emergency department with history of bee sting on the face. He complains of burning and itching at the bite site and flushing of face.

Q1. What is this reaction called?

Q2. What are the different types of such phenomenon?

Q3. What are the inflammatory cells responsible?

Q4. What is the mechanism of type I hypersensitivity reaction?

Q5. What are examples of type I hypersensitivity reaction

Q6. What is anaphylaxis?

Q7. What is the mechanism of type II hypersensitivity reaction?

Q8. What is the main mechanism by which type III hypersensitivity reactions are mediated?

Q9. Give examples of type II and type III hypersensitivity reactions.

Q10. What are the cells that mediate type IV hypersensitivity reaction?

Q11. What are the examples of type IV hypersensitivity reaction?