

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES



Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai

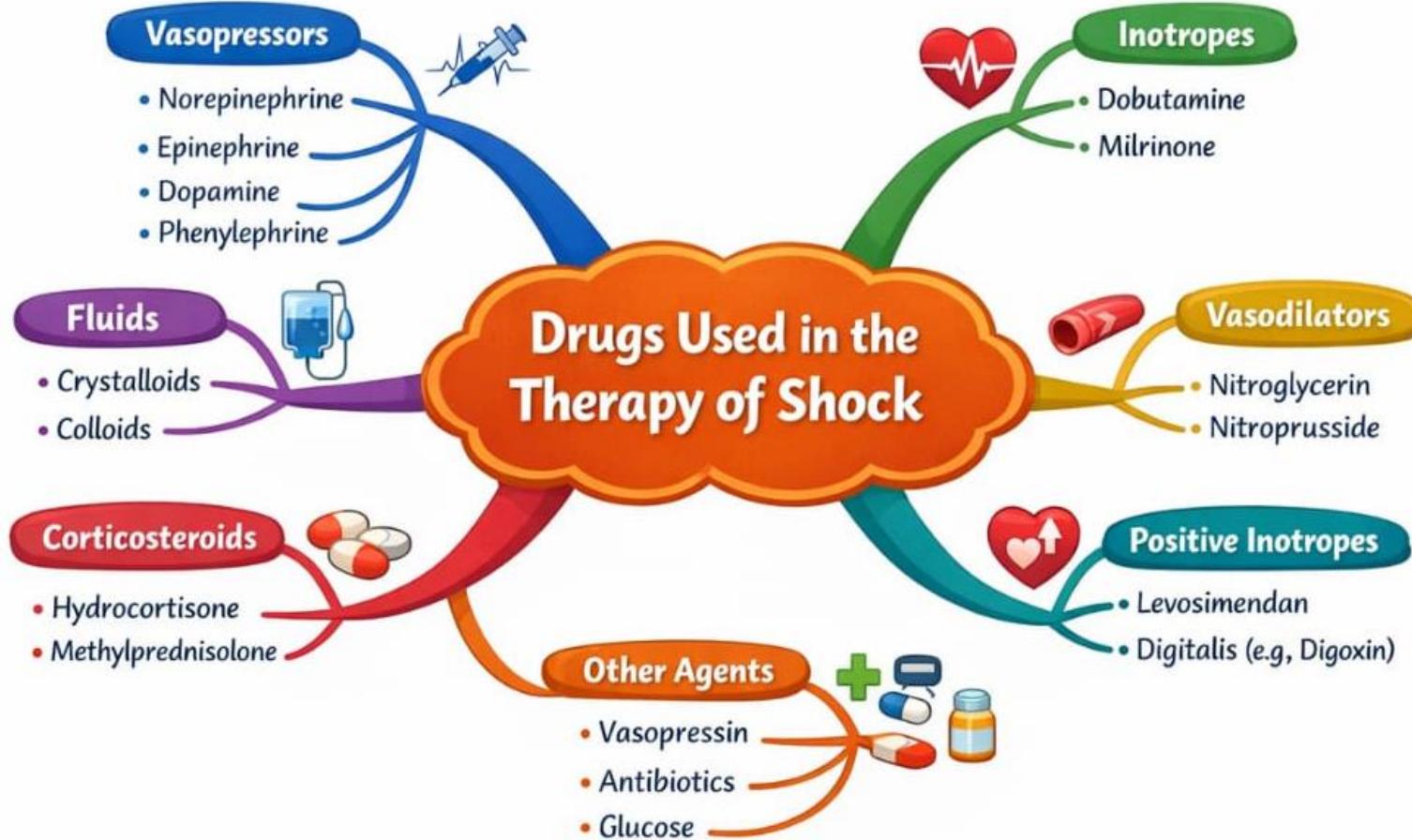
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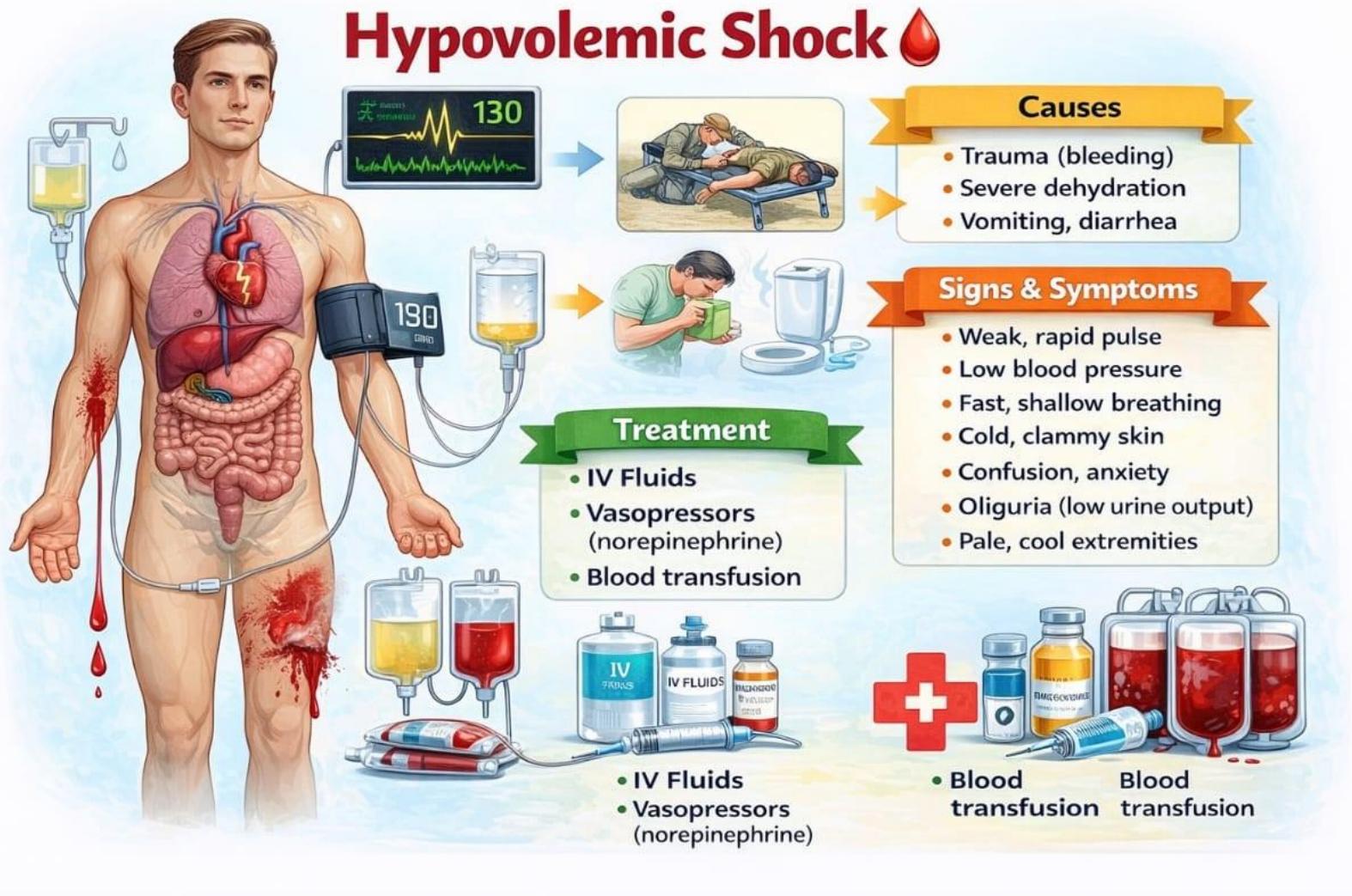
TOPIC :DRUGS USED IN THE THERAPY OF SHOCK

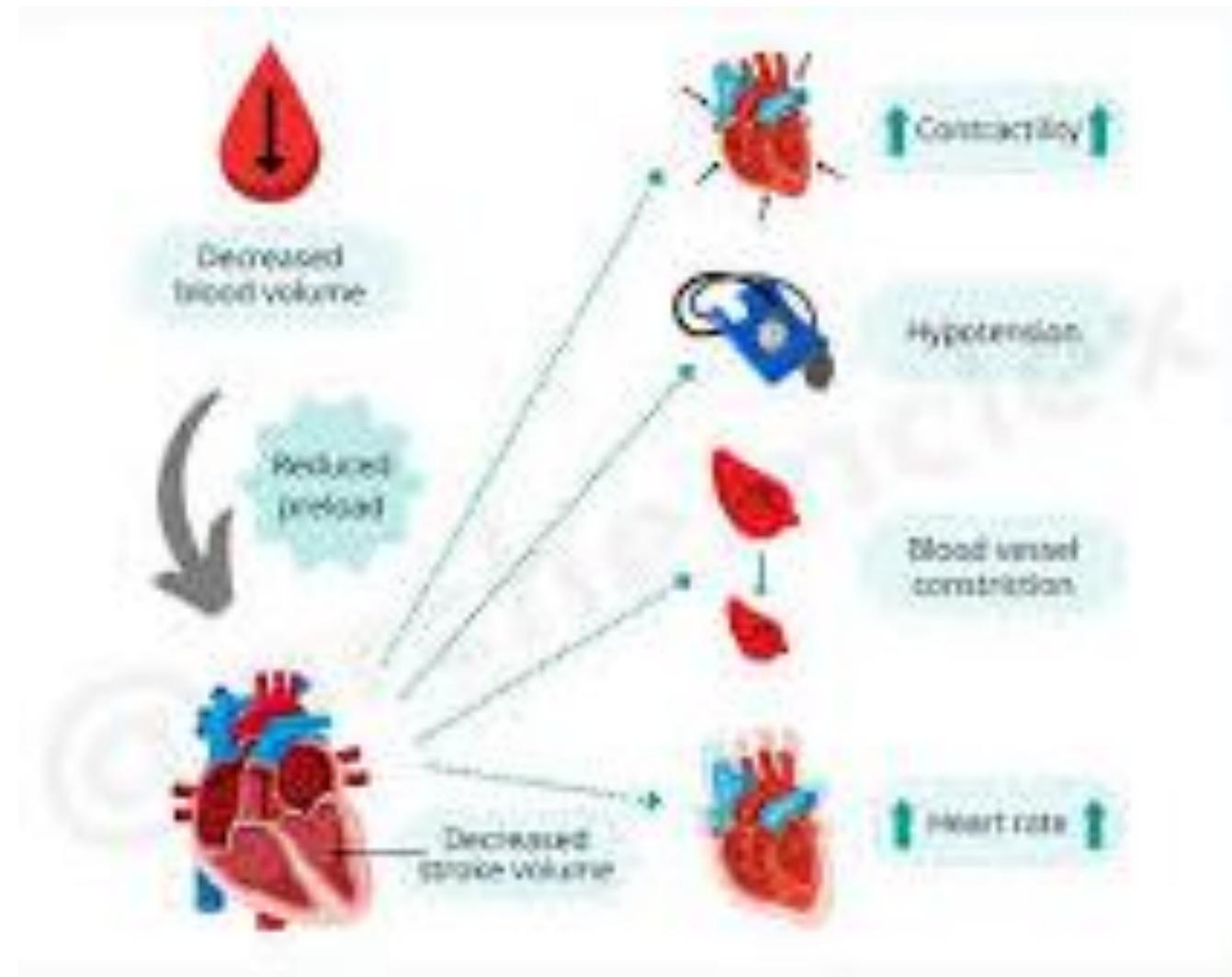
COURSE:PHARMACOLOGY II

MIND MAP

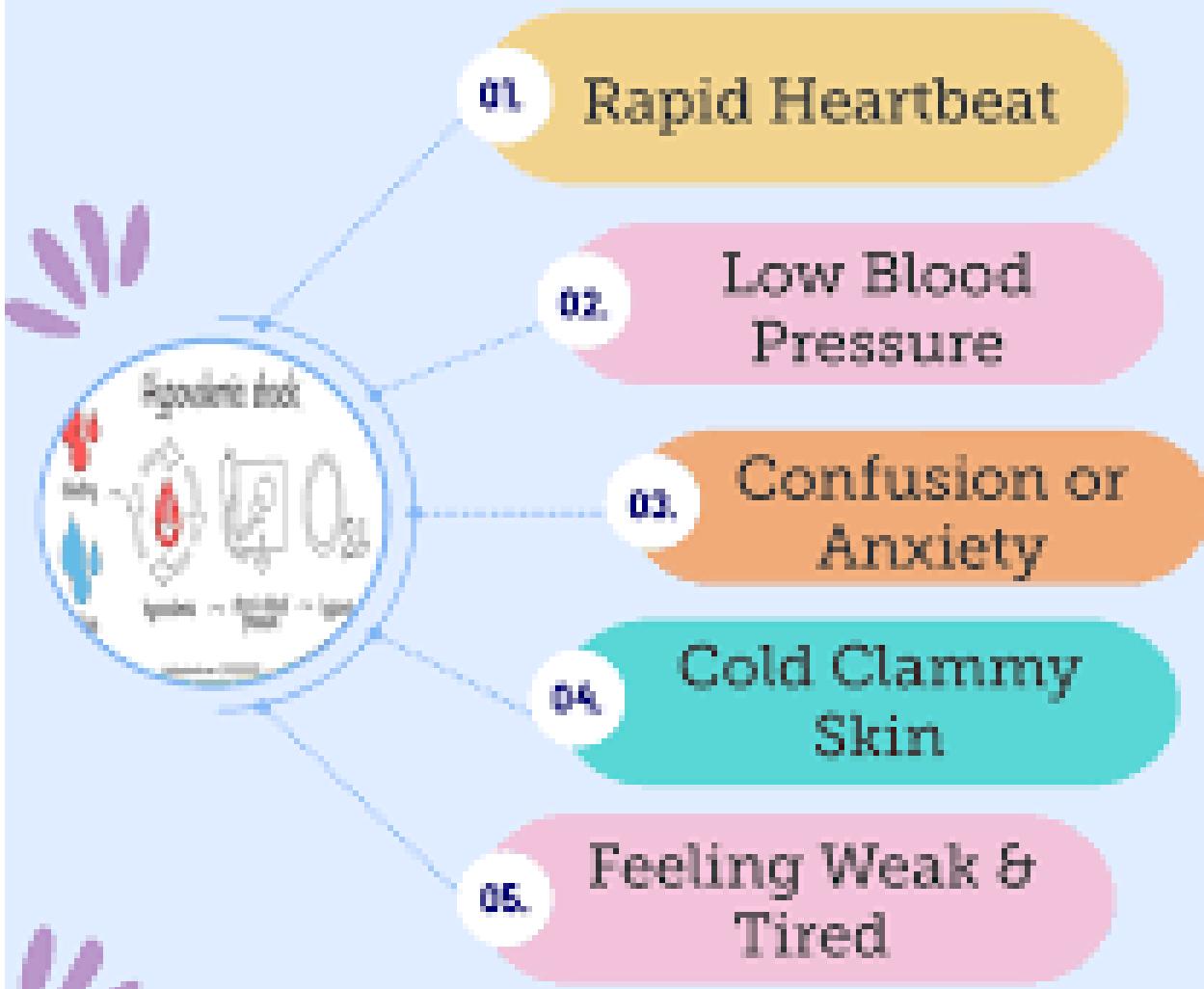


Types of Shock





Recognizing Hypovolemic Shock





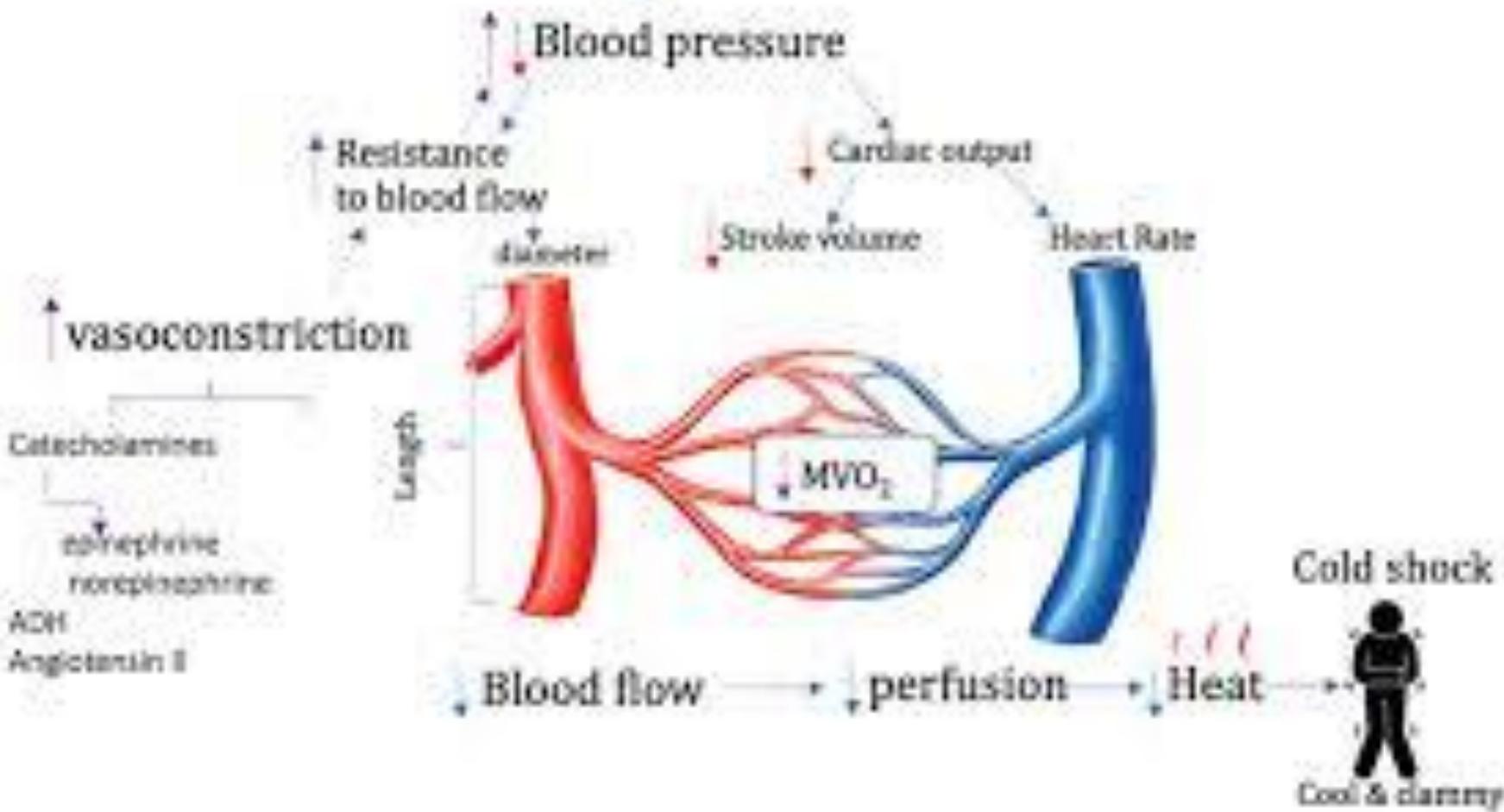
CARDIOGENIC SHOCK

* LIFE-THREATENING CONDITION where HEART is UNABLE to PUMP ENOUGH BLOOD to REST of BODY

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ACUTE HYPOPERFUSION and HYPOXIA of the TISSUES & ORGANS

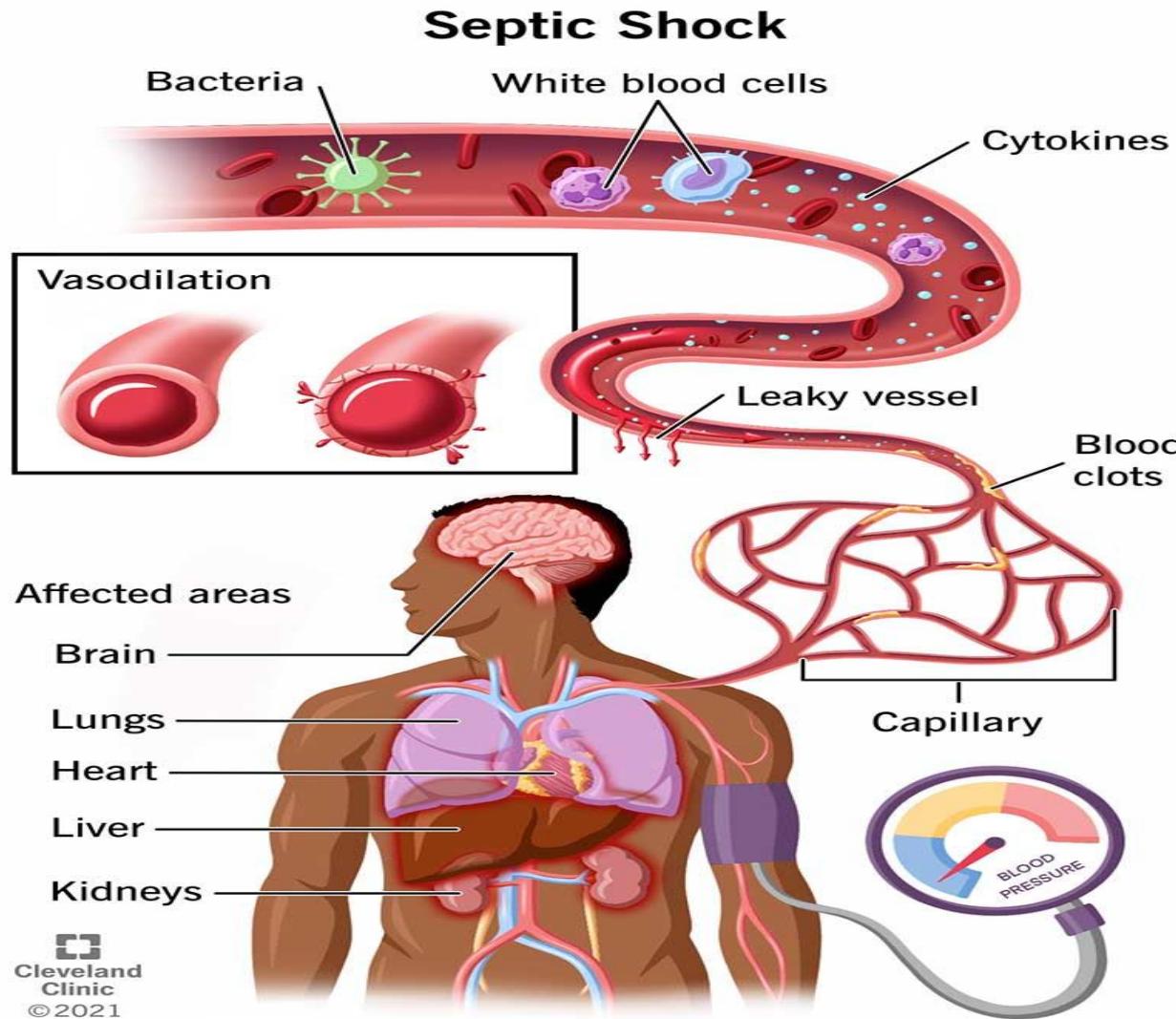


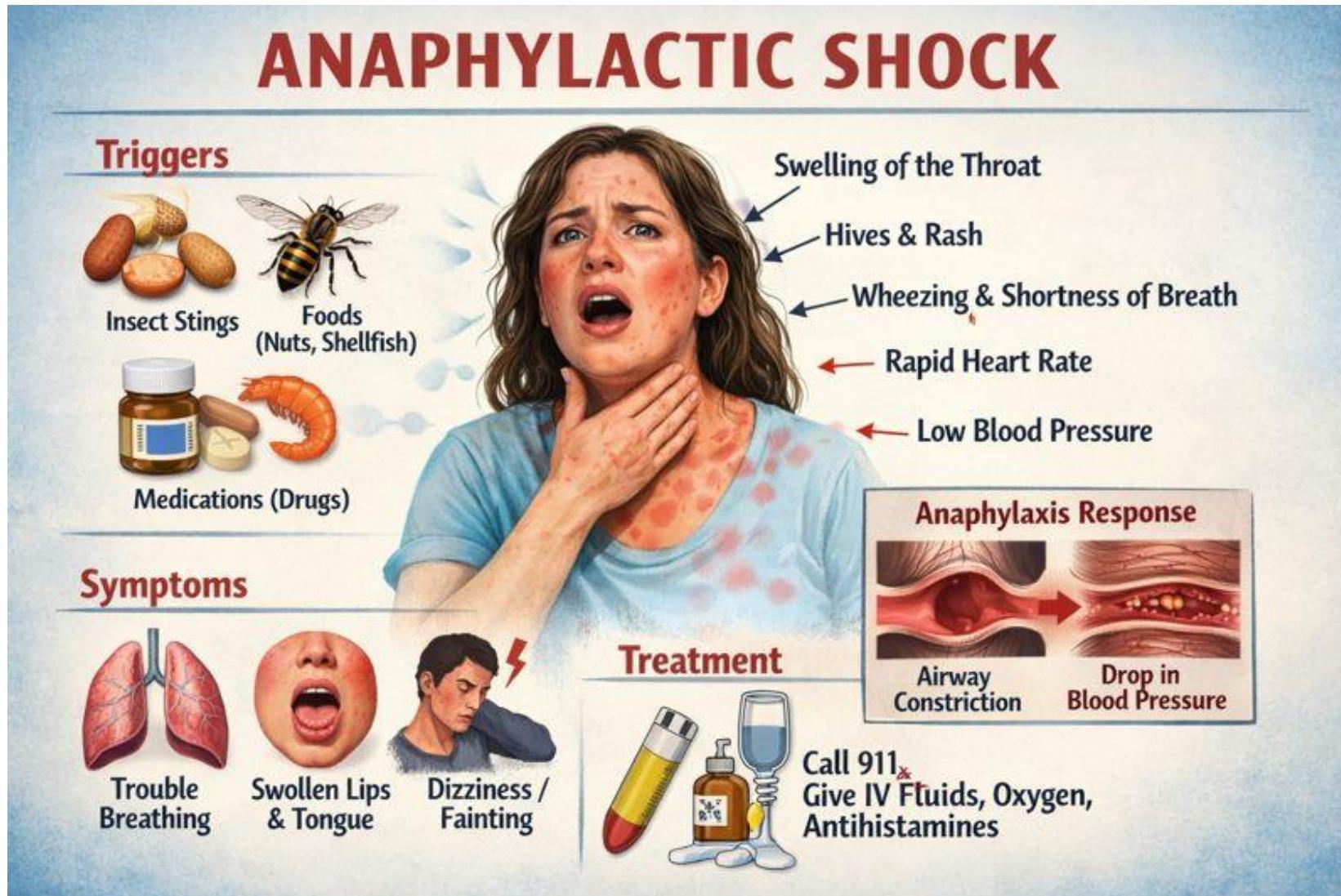
Shock (cardiogenic)



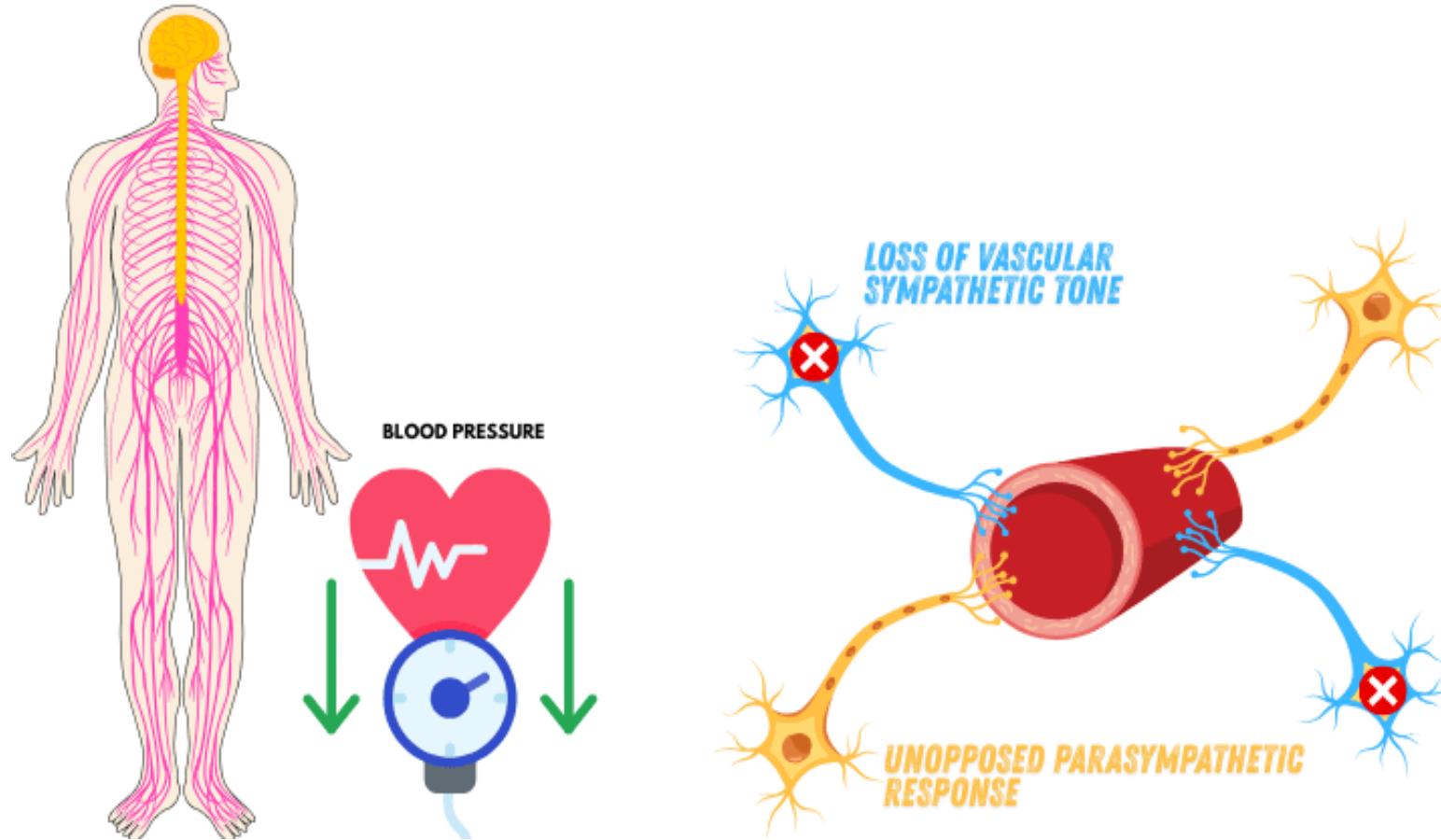
3. Distributive Shock

This category includes septic, anaphylactic, and neurogenic shock.

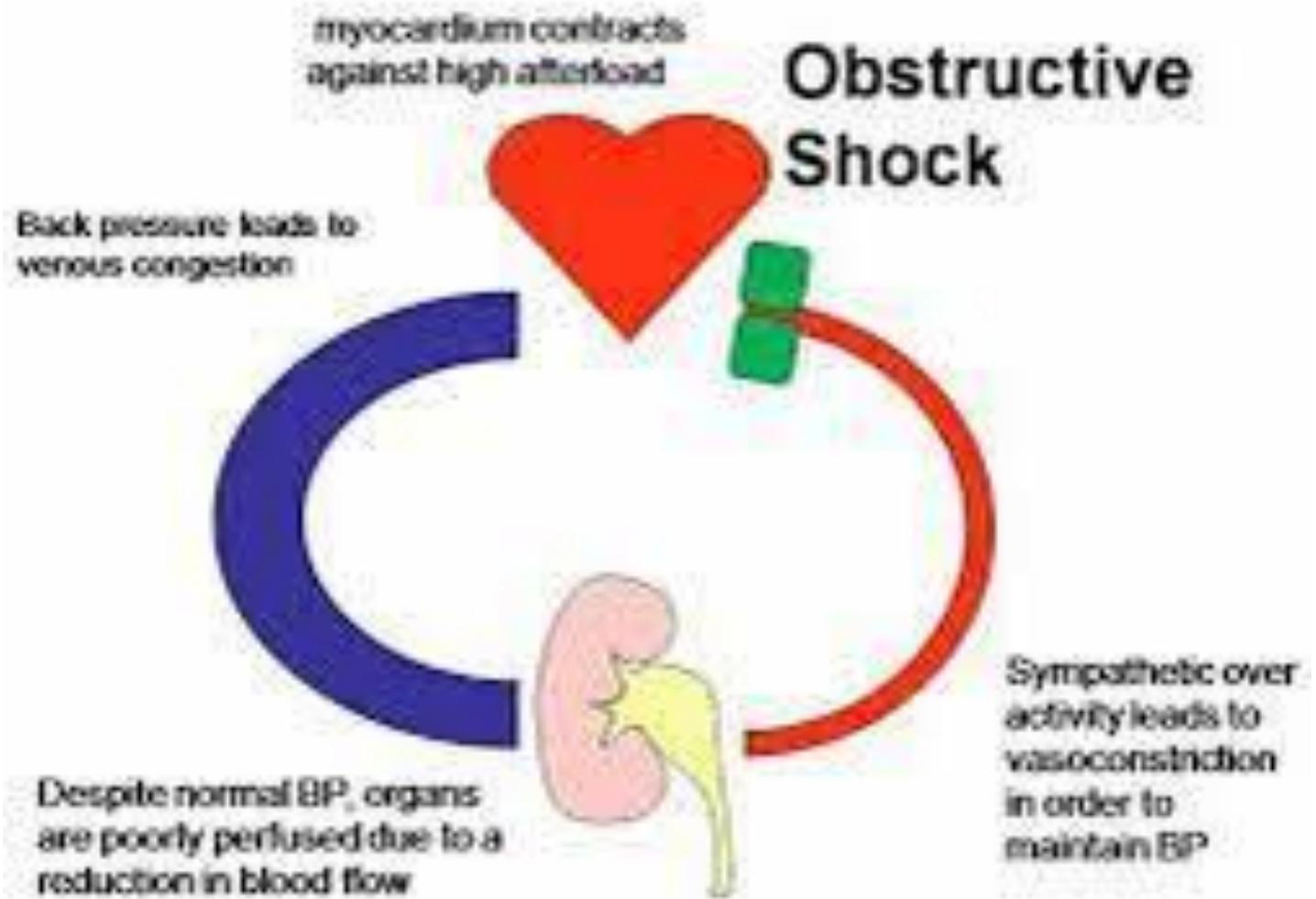




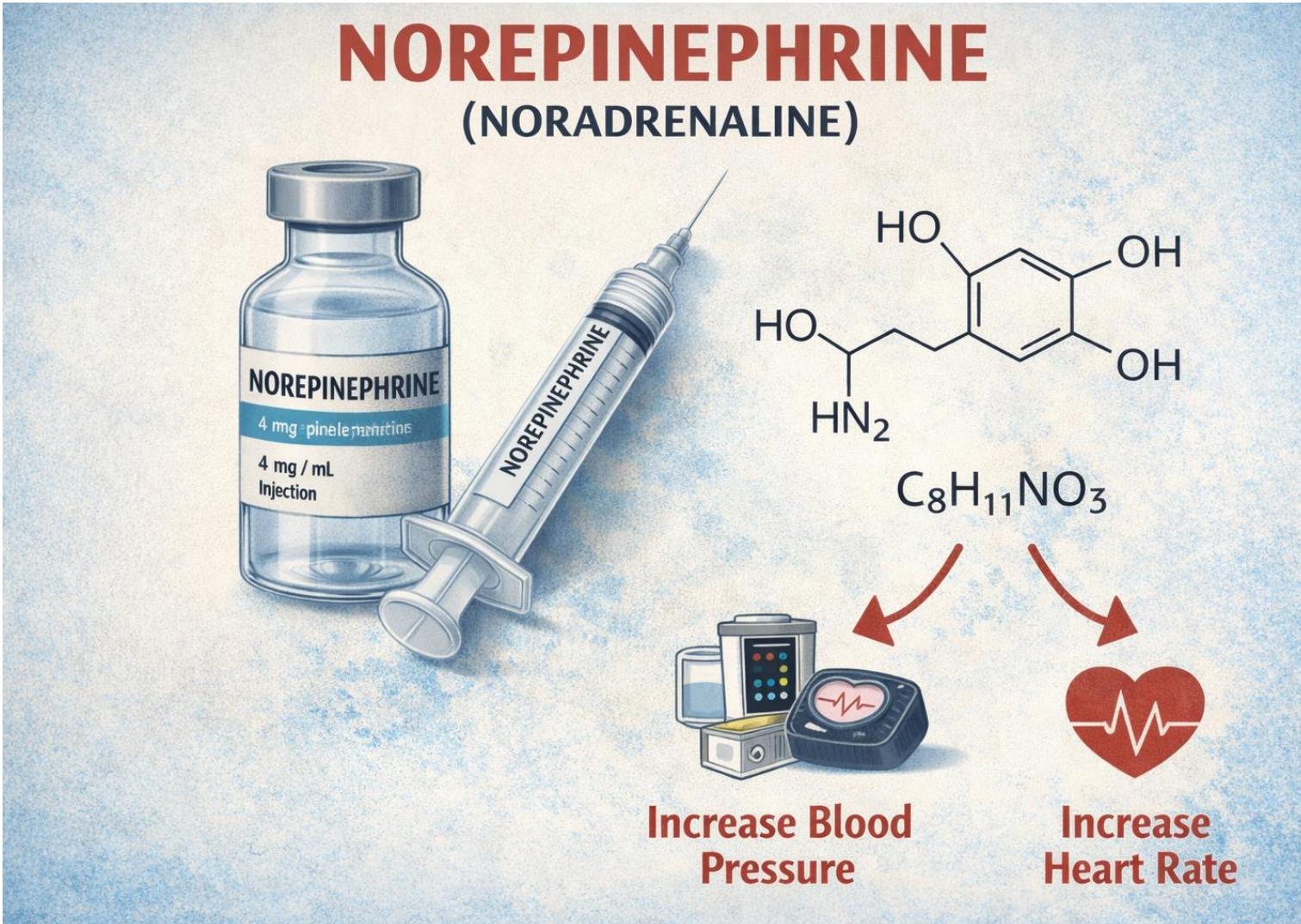
NEUROGENIC SHOCK



Obstructive Shock



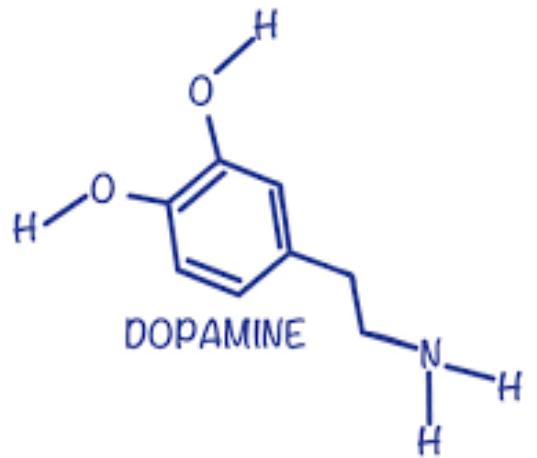
Specific Drugs Used in Shock Therapy



2. Epinephrine



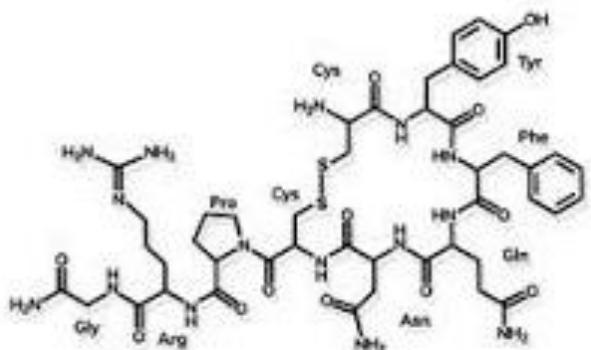
3. Dopamine



4. Dobutamine

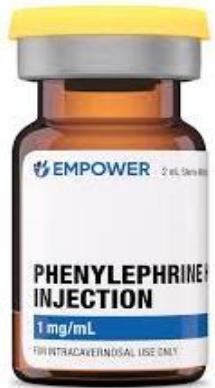


5. Vasopressin



vasopressin

6. Phenylephrine



7. Hydrocortisone



Multiple Choice Questions (MCQs)

1. Which of the following is the first-line vasopressor in septic shock?

- a) Dopamine
- b) Epinephrine
- c) Norepinephrine
- d) Phenylephrine

2. Which drug is the primary treatment for anaphylactic shock?

- a) Diphenhydramine
- b) Epinephrine
- c) Hydrocortisone
- d) Norepinephrine

3. Which type of shock is characterized by reduced intravascular volume?

- a) Cardiogenic shock
- b) Distributive shock
- c) Hypovolemic shock
- d) Obstructive shock

4. Which inotrope is commonly used in cardiogenic shock to improve cardiac output?

- a) Dopamine
- b) Dobutamine
- c) Epinephrine
- d) Phenylephrine

5.Which drug is used as an adjunct vasopressor in septic shock when norepinephrine is insufficient?

- a) Vasopressin
- b) Dopamine
- c) Epinephrine
- d) Phenylephrine

References:

- **Marik, P. E., & Bellomo, R. (2013). Lactate clearance as a target of therapy in sepsis. *Critical Care*, 17(1), 1-2.**
- **Vincent, J. L., De Backer, D. (2013)**

THANK YOU !