

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES

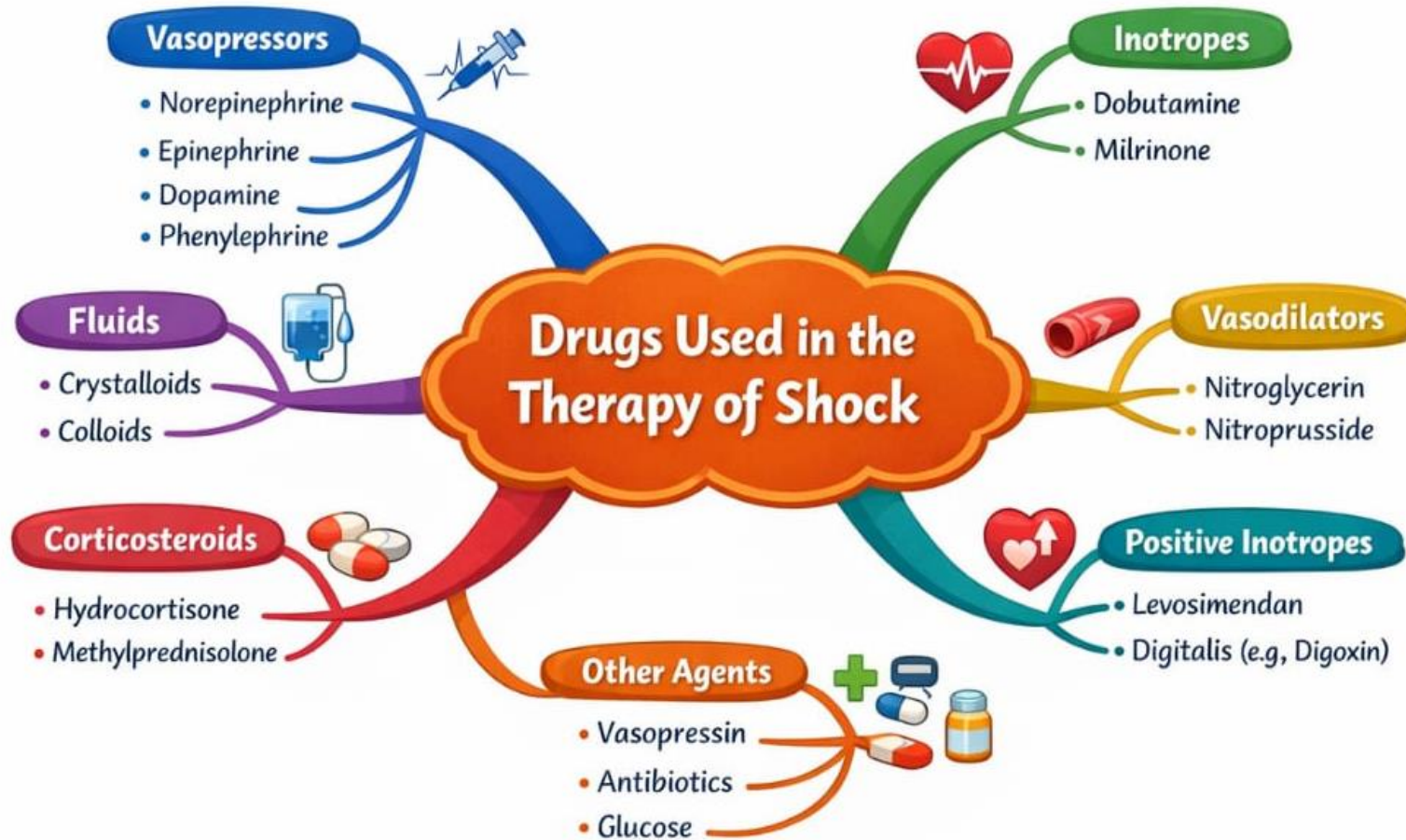


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Coimbatore-641035

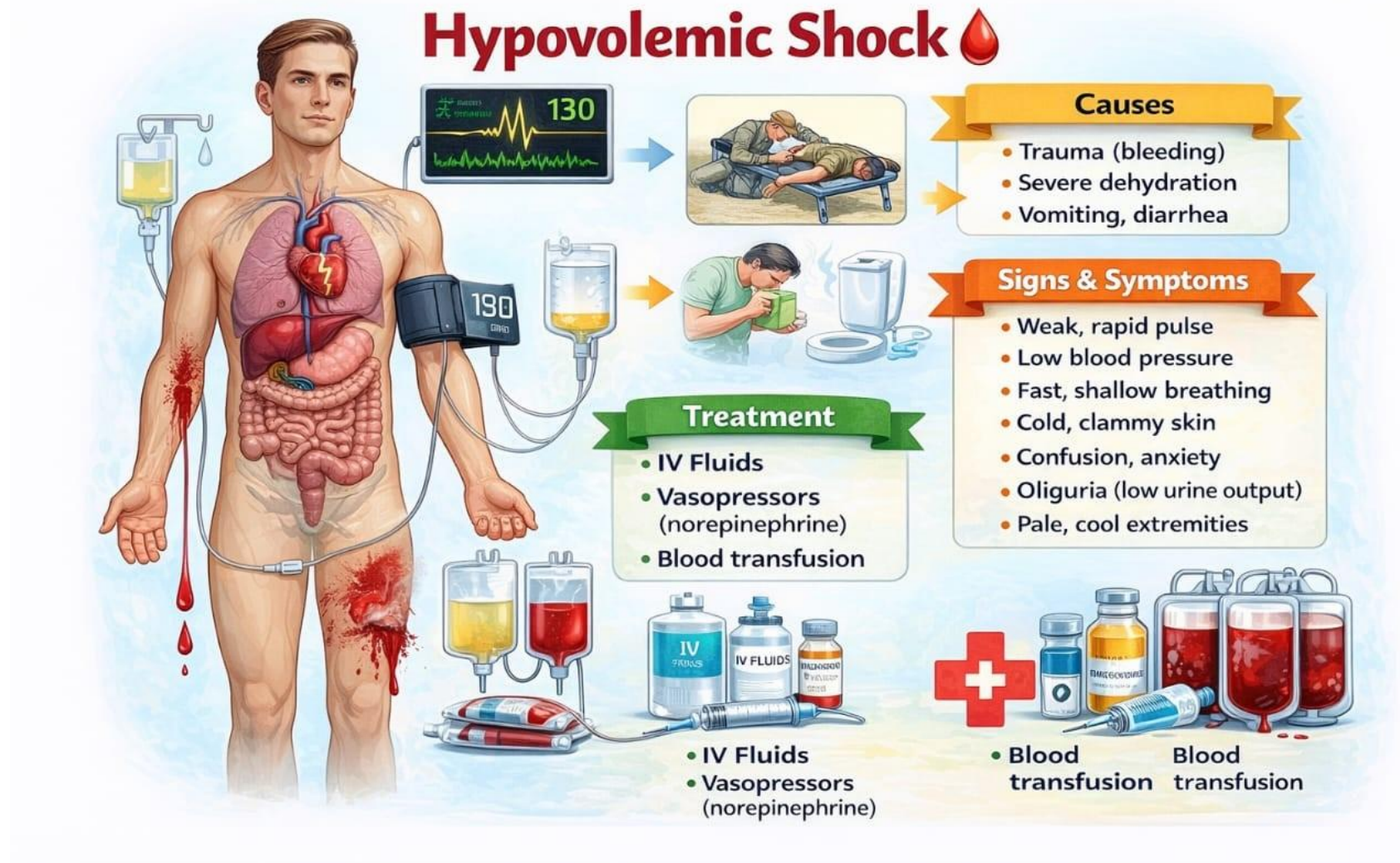
TOPIC :DRUGS USED IN THE THERAPY OF SHOCK

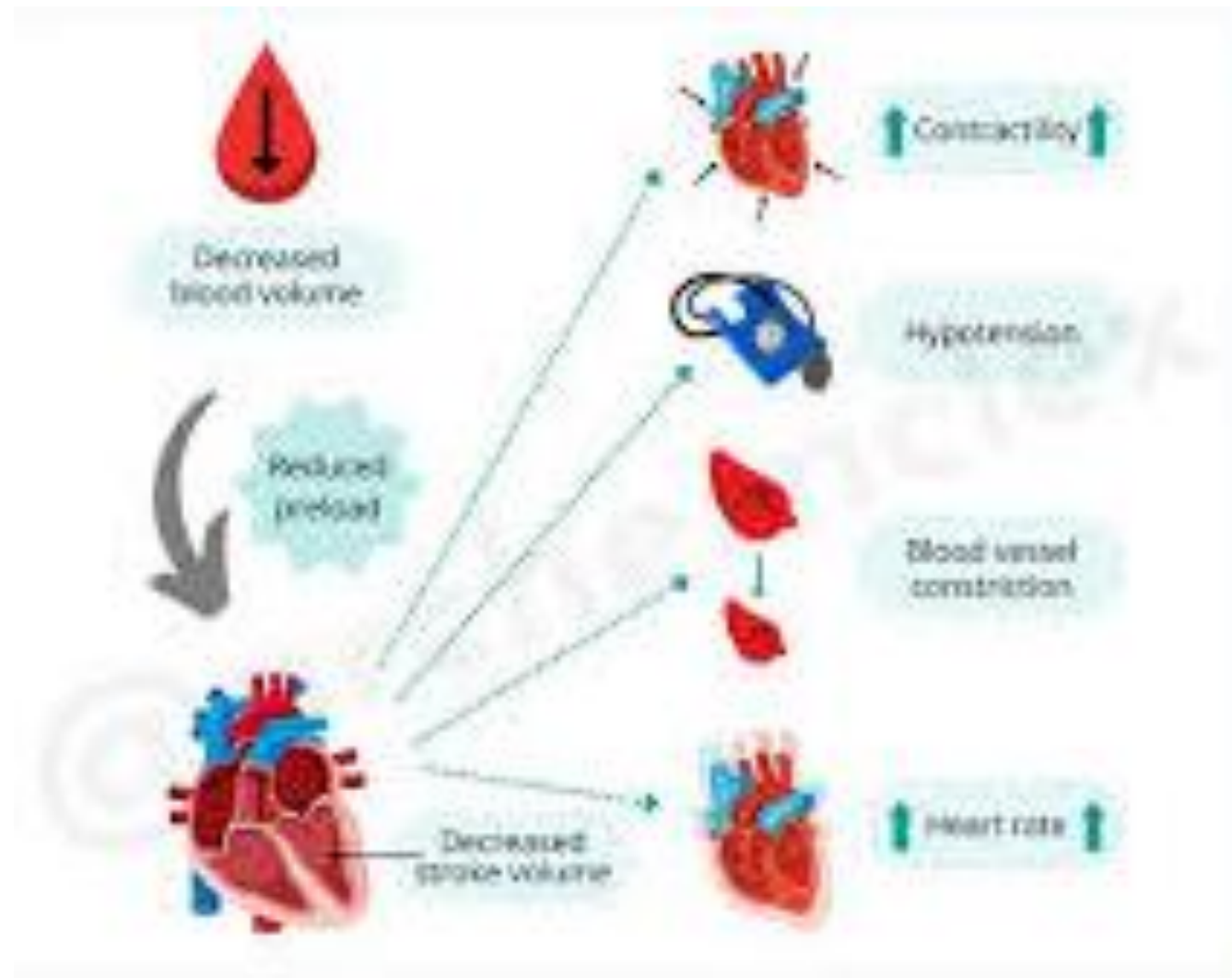
COURSE:PHARMACOLOGY II

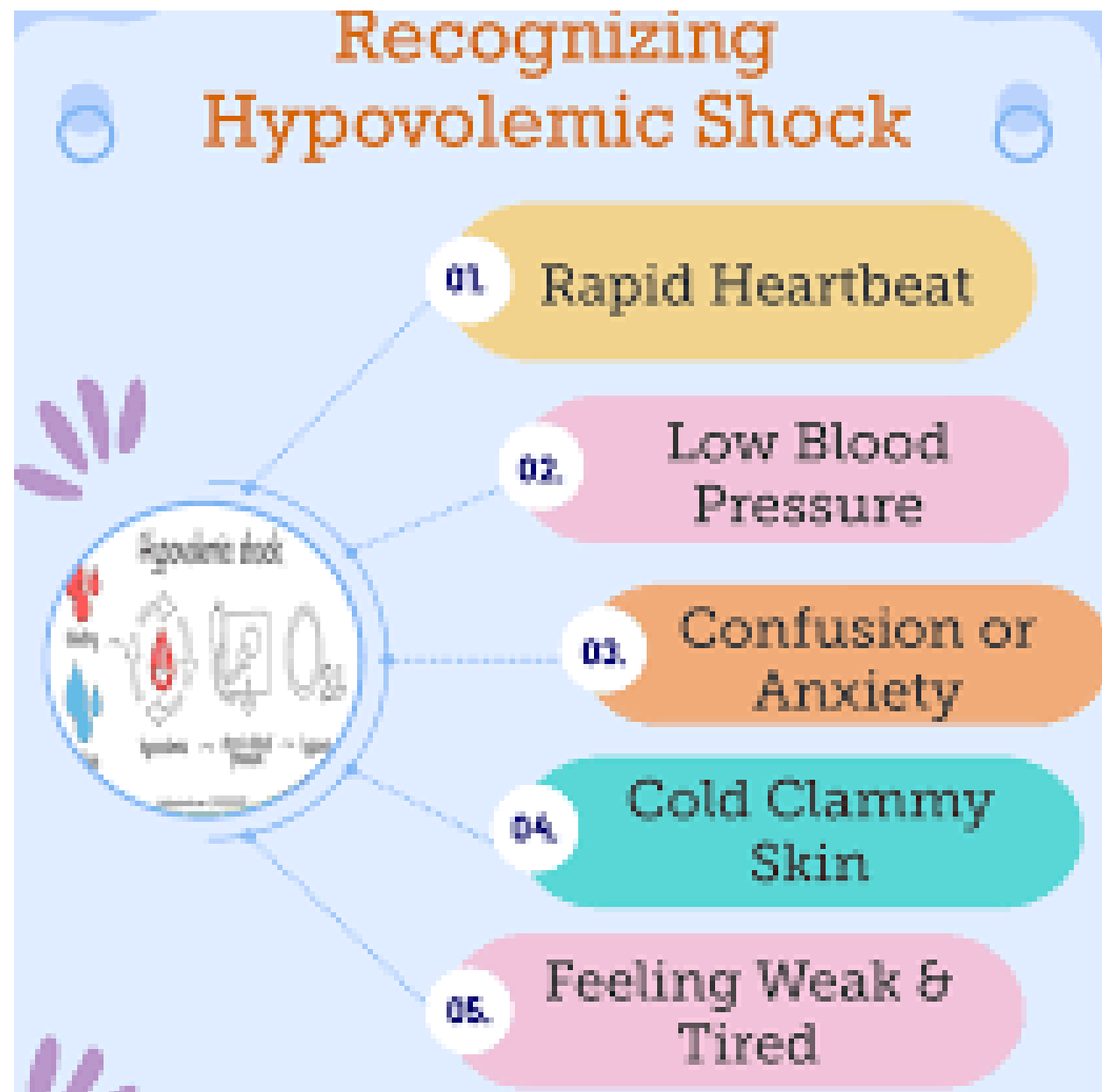
MIND MAP



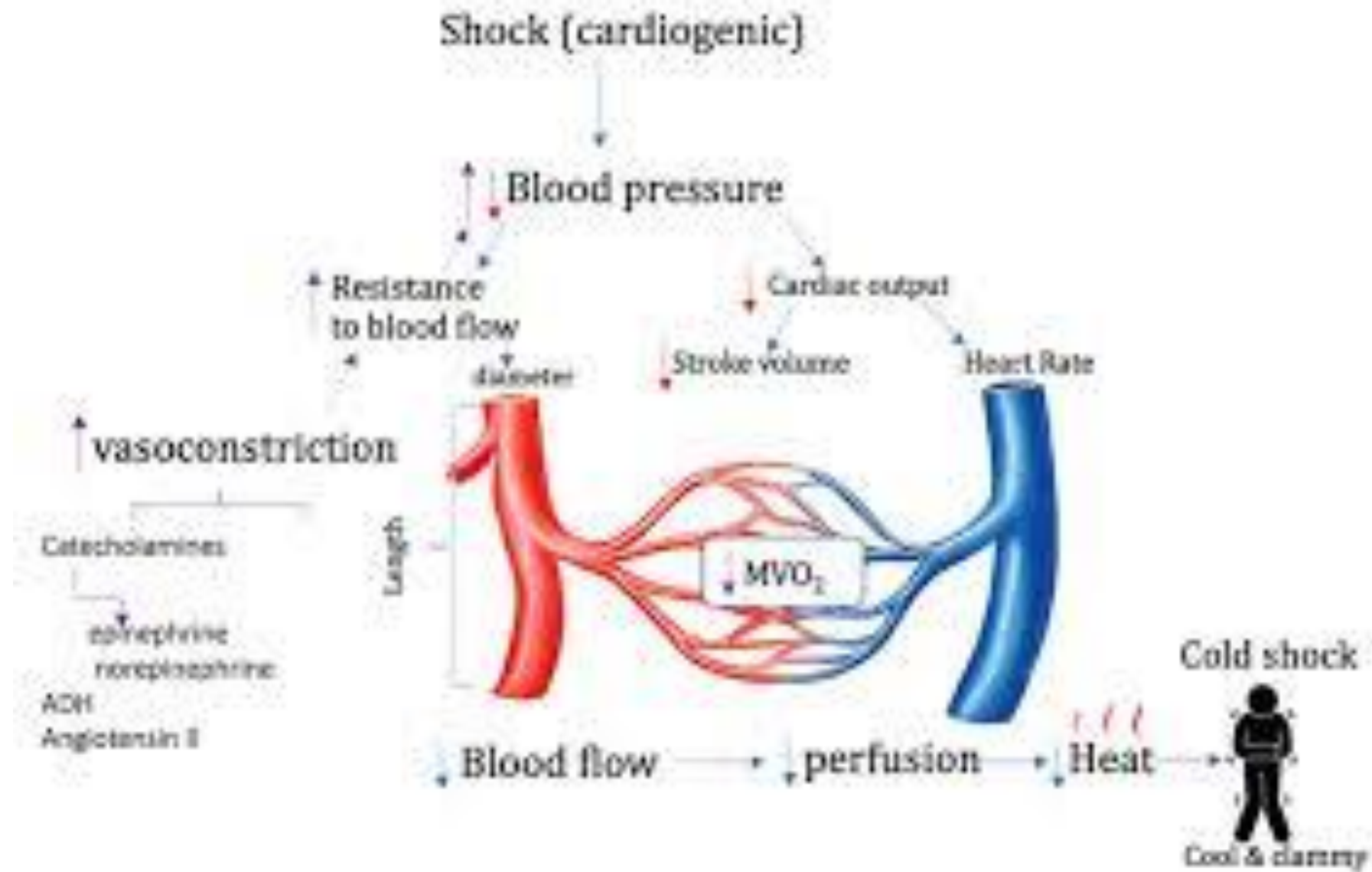
Types of Shock





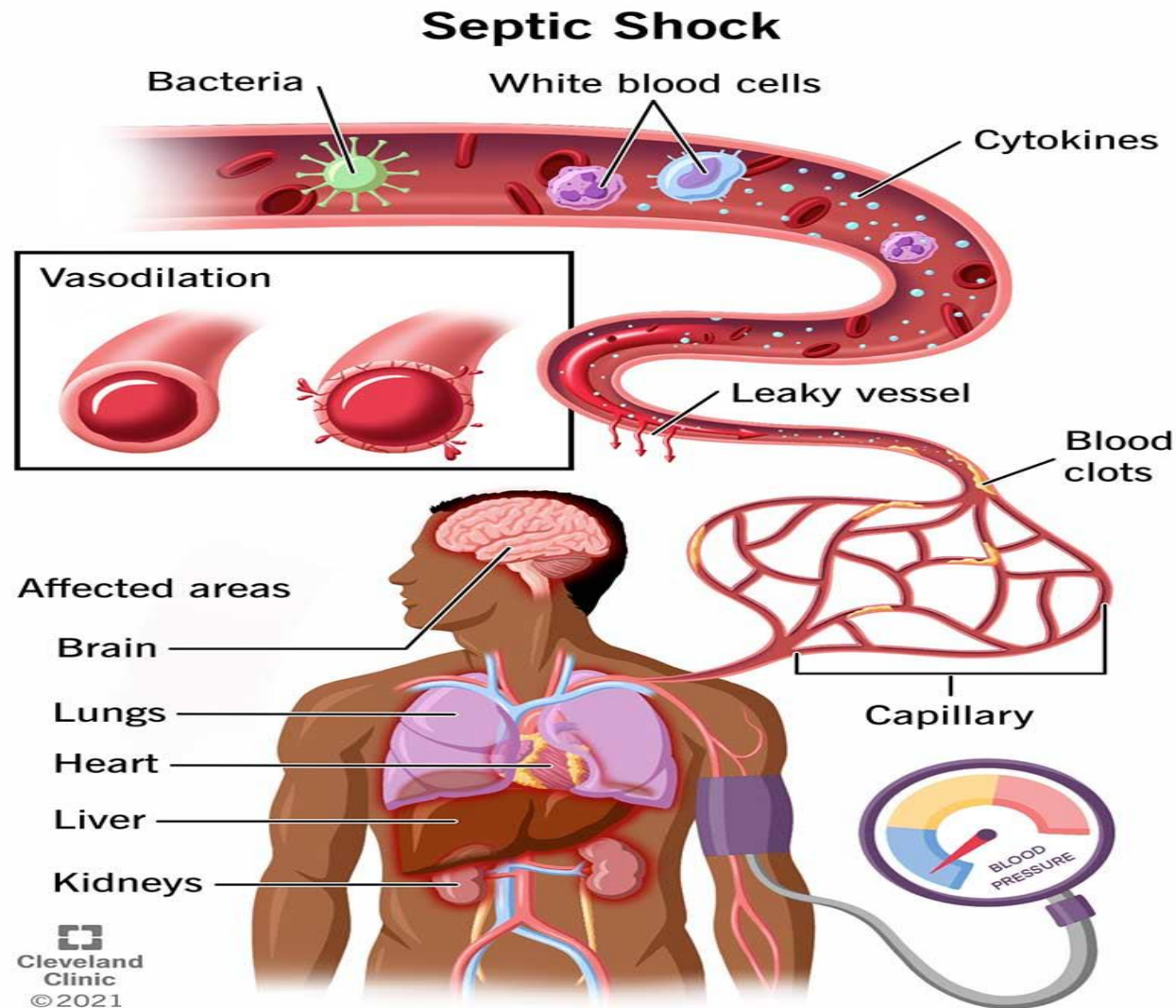






3. Distributive Shock

This category includes septic, anaphylactic, and neurogenic shock.



ANAPHYLACTIC SHOCK

Triggers



Swelling of the Throat

Hives & Rash

Wheezing & Shortness of Breath

Rapid Heart Rate

Low Blood Pressure

Symptoms



Trouble Breathing



Swollen Lips & Tongue



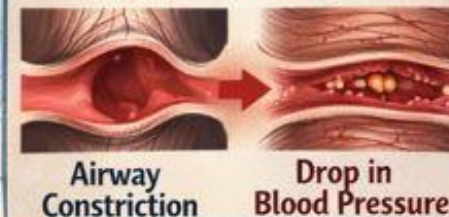
Dizziness / Fainting

Treatment

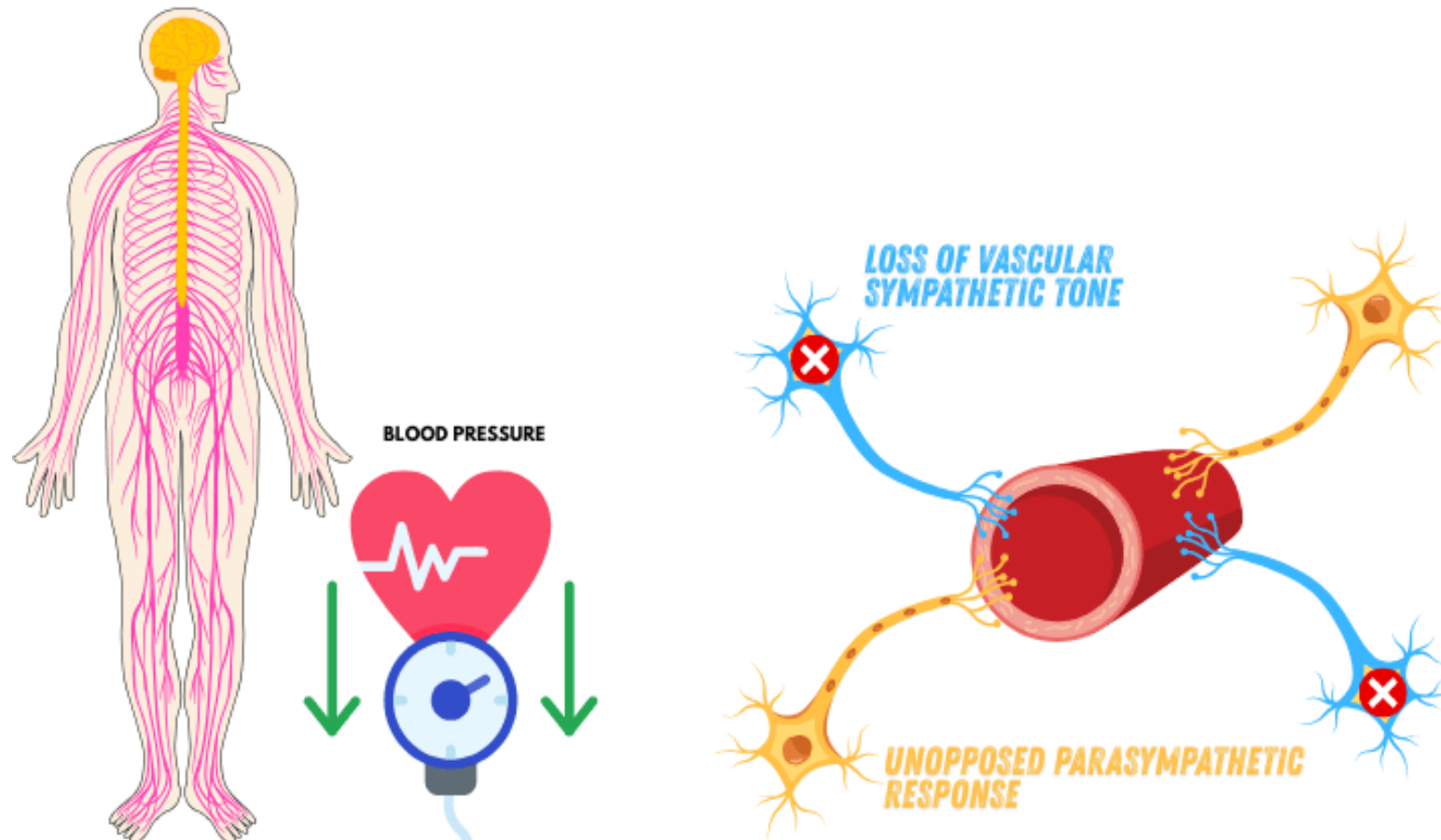


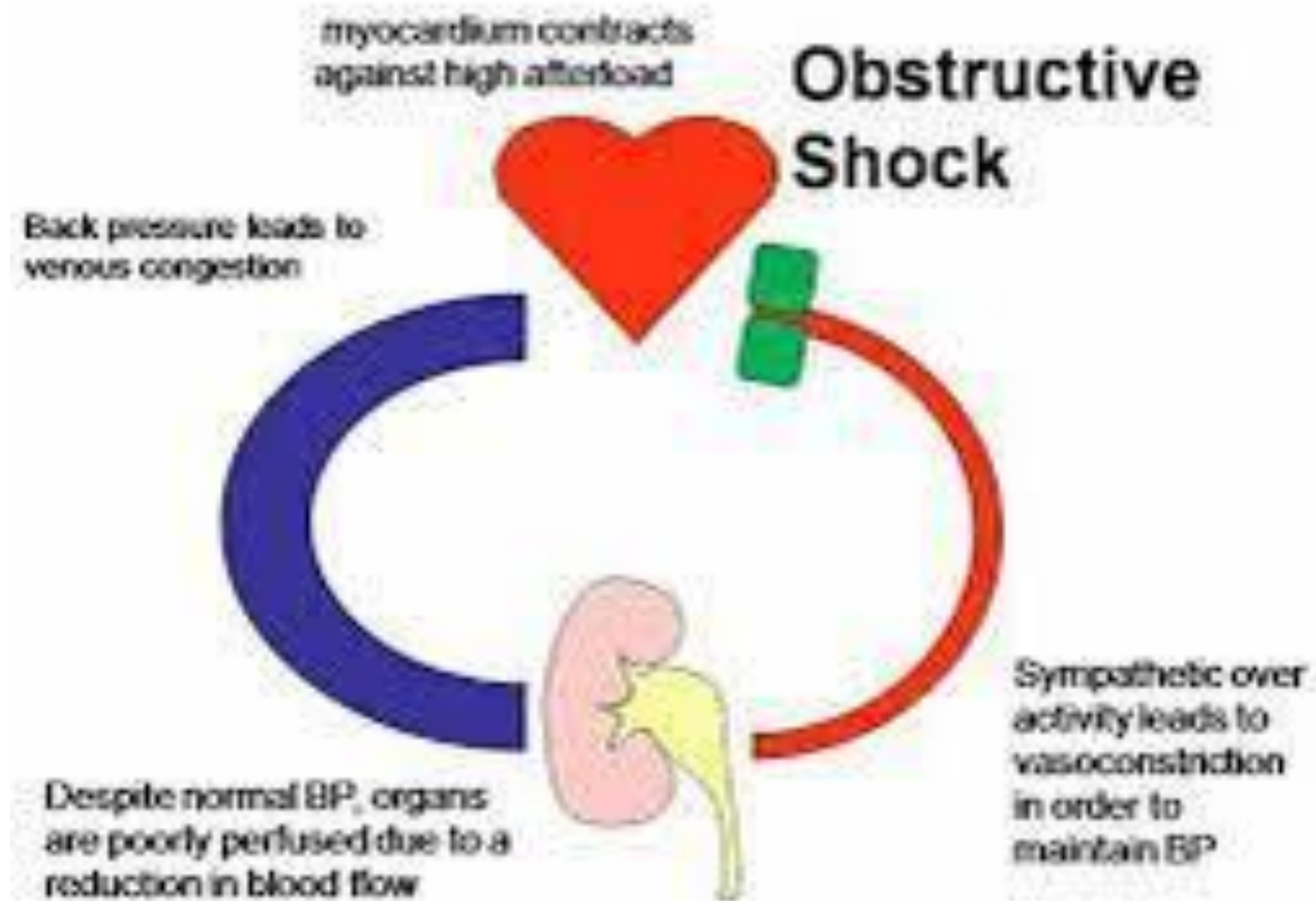
Call 911
Give IV Fluids, Oxygen,
Antihistamines

Anaphylaxis Response

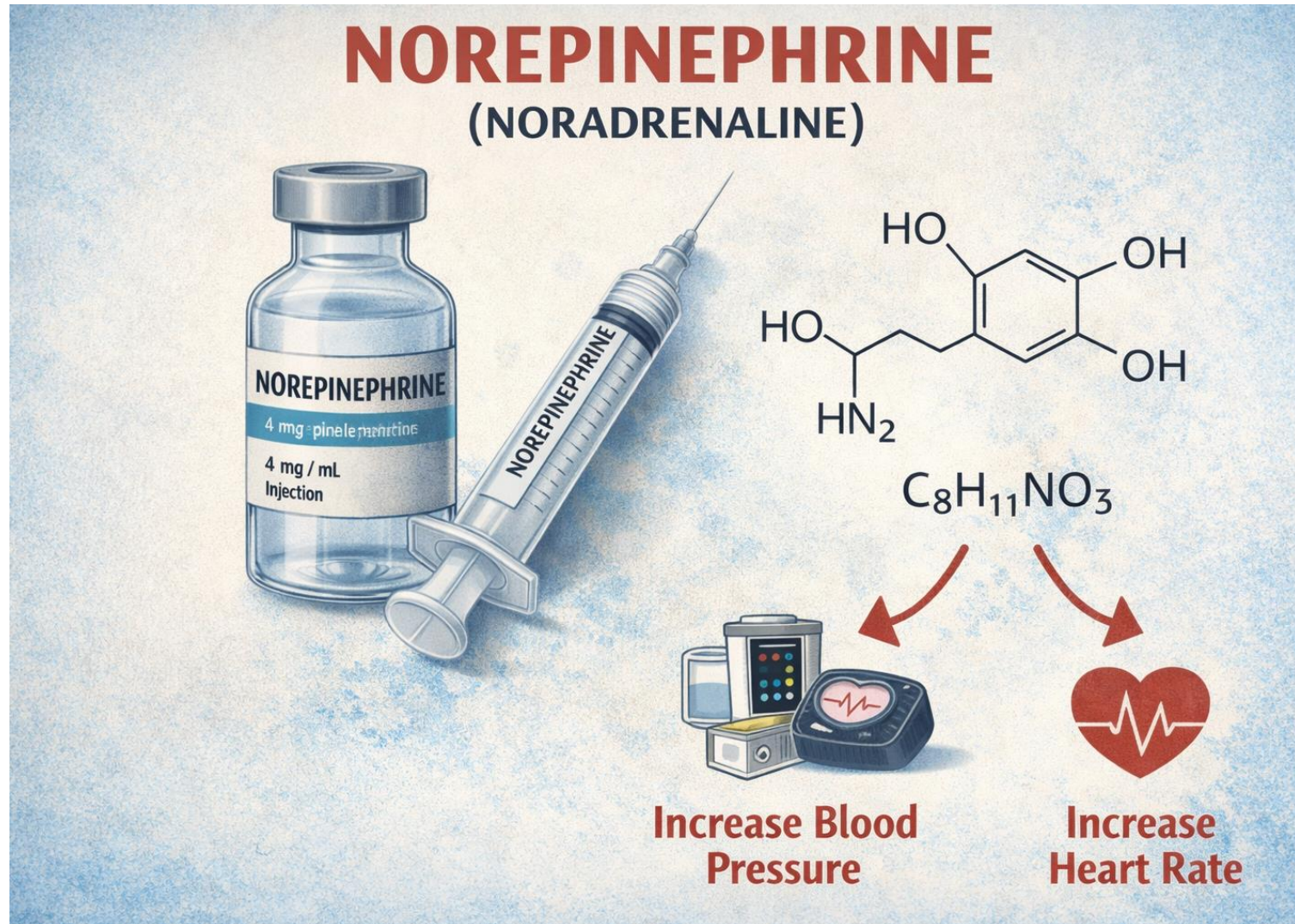


NEUROGENIC SHOCK





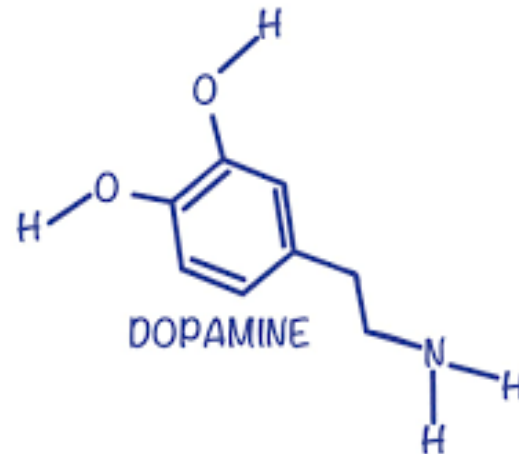
Specific Drugs Used in Shock Therapy



2. Epinephrine



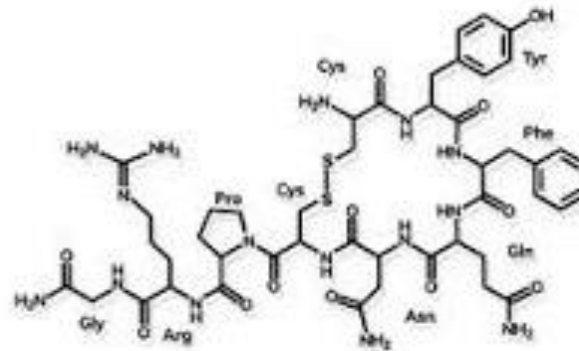
3. Dopamine



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 !