

ischemice → نقص تروية بكمية معينة = Shock

Shock → نقص كمية في كاهل الجسم

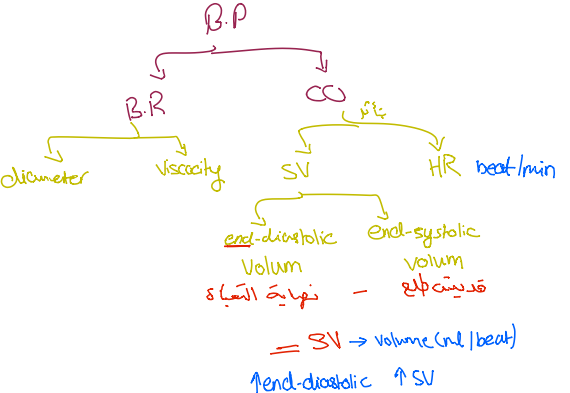


circulatory failure

## Pathophysiology-Shock

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Progressive disease  
 vital organs first  
 other organs no JSI

- heart } 4-6 min
- brain }
- lungs }

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- kidney } 45-60 min
- GI }

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- muscles } 2-3 h
- skin }

# Shock classifications

**(Obstruction shock)**  
**- Cardiogenic shock (cold shock)**

- \* inability of pumping ↓ dec
- HF (فشل قلبية)
- MI
- pericardium layer of heart we have fluid in the sac (pericardial sac)
- when obstruction occurs = accumulation of fluid in the sac = pump weakness = pump weakness ↓ contraction

venous return ↓  
 B. to tissues ↓  
 End-organ ↓  
 SV ↓  
 CO ↓  
 BP ↓

Compensated shock activation SNS, renin, ADH

⇒ preload ↑, End-D.V ↑, SV ↑, CO ↑, BP ↑

## - distributive shock

excessive vasodilation (effects on resistance) (warm shock)



## - Hypovolumic shock

