

**Critical Case Study 1,2**

**Adnan Abu Arqoub 1182551**

**Jehan Bargouthi 1182887**

**Lana Al Khateeb 1182665**

**Dania Qassas 1182662**

**Tharwa Asad 1172623**

**Duaa Abed 1170849**

**Case Study 2**

1. **MAP = 60mmHg Lower than normal due to low blood pressure (70 - 100 mmHg)**
2. **Pulse Pressure = 60 Higher than normal (30 - 40 mmHg)**
3. **SVR = 1920 Higher than normal to compensate the low Blood pressure (800-1200 sec/cm5)**
4. **PAP and PAWP Will be high due to cardiogenic shock caused by MI**
5. **High CVP is usually associated with decreased cardiac performance due to the MI**
6. **Cardiogenic Shock**
7. **Streptokinase is a thrombolytic drug (breaks down clots after the MI)**

**Aspirin is a non-selective cyclooxygenase (COX) inhibitor**

**(prevents the clots from forming)**

**Heparin is an anticoagulant to prevent clotting**

**Nitro-glycerine is a vasodilator (dilates the veins to increase blood flow to the heart)**

1. **IV infusion = 15 cc/hour**
2. **Percentage of the end-diastolic blood volume ejected from the ventricle with each heartbeat (50-70%)**
3. **Dopamine: Inotropic agent (used to correct the hemodynamic imbalances, after myocardial infarction and heart failure, renal failure by increasing Contractility and cardiac output**