

Cardiogenic shock (CS)

Causes

The first cause is undoubtedly disorders reducing the ability of the heart to pump blood into the aorta or reducing the diastolic filling of the heart. The disorder means, for example, a large-scale myocardial infarction (over 40% of the left ventricle), rupture of the wall or chord. Another cause is a sudden valvular defect (the most serious is aortic insufficiency). It can also be a malignant arrhythmia (tachyarrhythmia and bradyarrhythmia).

Pathogenesis

Cardiac output decreases (CVP increases, in hypovolemic shock CVP decreases) - hypotension and hypoperfusion occur.

Clinical picture

Similar to hypovolemic shock (cold hypotension), but central venous pressure (CVP) and pulmonary wedge pressure (PCW) are elevated. Small amount of blood in the circulation due to a drop in filling pressure of the left ventricle - pulmonary edema can occur.

Forecast

The worst of all shocks. Lethality is up to 80-90%.

Links

Related Articles

- Circulatory collapse
- Shock
 - Hypovolemic shock
 - Obstructive shock
 - Distribution shock

Source

- PASTOR, Jan. *Langenbeck's medical web page* [online]. [cit. 30.5.2010]. <<http://langenbeck.webs.com>>.