

# 21 Pathophysiology of the Cardiovascular System Cheat Sheet by bee.f (bee.f) via cheatography.com/180201/cs/37530/

### Arrhythmias

#### Definition:

- Irregular heartbeat → electrical signals that coordinate the heart's beats don't work properly
- Tachycardia: fast heartbeat/over 100BP (★)
- Bradycardia: slow heartbeat/under 60BPM

#### Risk factors/causes:

- *Structural:* increasing age, males, hypertension, valvular heart disease, heart failure, cardiomyopathies, congenital heart disease, hyperthyroidism, diabetes, myocarditis, pulmonary disease, post-surgical state, obesity, alcohol
- *Electrical:* Channelopathies, genetic factors, lone (idiopathic) AF, autonomic imbalance

#### Pathophysiology & mechanism:

- \( \text{in effectiveness of heart contractions} \)
- Deficient or altered blood flow & tissue perfusion

#### Signs & symptoms:

- Light headedness
- Fainting (possible)
- Palpitations
- Cardiac arrest (if severe)
- Fatigue
- SOB
- Chest discomfort

**Treatment:** Medication, lifestyle change, invasive therapies, electrical devices, or surgery

## Valvular disease

Definition:

Risk factors/causes:

Pathophysiology & mechanism:

Signs & symptoms:

Complications:

Treatment:

# Arrhythmias (copy)

Definition:

Risk factors/causes:

Pathophysiology & mechanism:

Signs & symptoms:

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Complications:

Treatment:



By bee.f (bee.f) cheatography.com/bee-f/

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