

## **Significance of pulse detection**

- 1-Determination of heart rate and rhythm**
- 2-Give idea about vessel wall example loss of elasticity in atherosclerosis**
- 3-Gives an idea about amount of variation of the contained blood**

## **Arterial pulsation may be examined in:**

**Radial- Brachial-femoral-posterior tibial and dorsalis pedis artery**

**Tachycardia:** occurs in : Emotion ,exercise ,fever and atrial fibrillation

**Bradycardia** occurs in heart block

**Systolic blood pressure:** is the pressure in the arteries at the peak of ventricular ejection

**Average:120**

**Diastolic blood pressure:** is the pressure in the arteries when the heart rests between beats

- 1- **Hypertension** :if the systolic pressure $>140$  mmHg or the diastolic pressure $>90$  mmHg
- 2- **Hypotension:** If the systolic pressure $<90$  mmHg or the diastolic pressure $<60$  mmHg

**During measurement of blood pressure** the cuff inflatable area is wrapped on the medial surface of the arm **over the brachial artery**

