

Eg. Atrial fibrillations

Ventricular ectopics.

2) Rhythm → normal= regular i.e, interval between 2 beats is constant.

Abnormal= **physiological**= normal= sinus arrhythmias
= *inspiration* (no fibres stimulated → no parasympathetic stimulation → ↑HR.

= expiration (positive pressure → stimulate vagus → HR ↓

= **Pathological** irregularity which is predictable.

1) **Regulatory irregular**= predictable.

- **pulsus bigemini**= there is alternate sinus rhythm followed by **ventricular ectopics**. Eg, side effect of digoxin.

2) **Irregular irregular**= interval is unpredictable

- **Atrial fibrillation**= irregular HR
AV node blocked = which is variable and QRS at variable time.

3) Pulse pressure → also known as pulse volume.

How good a pulse is felt in fingers.

PP=SBP-DBP

Normal= 30-60mmHg

Abnormal=decrease PP=<30mmHg = thready pulse

=increase PP= >60mmHg =bounding pulse

1) **Low PP**= when SBP is low and DBP is high

SBP(↓) – DBP(↑).

SBP determined by CO i.e. thready pulse → causes

- Hypovolemia