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) **Regularly irregular**= predictable.

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

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

   o **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**

   o Hypovolemia