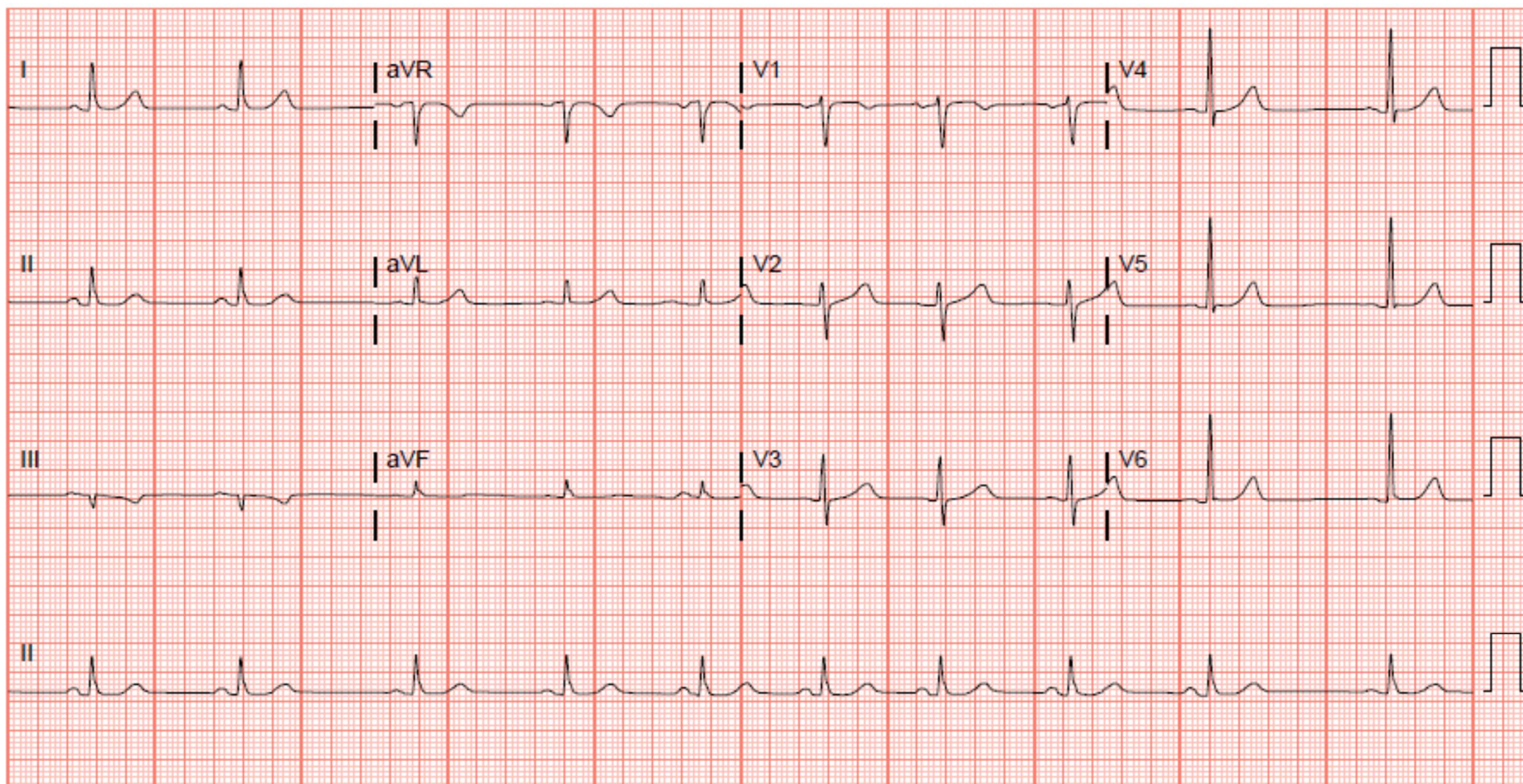


- Sinus arrhythmia



- Normal P wave morphology and axis
- Phasic change in PP interval (onset may sometimes occur abruptly), usually in response to the breathing cycle
- Longest and shortest PP intervals vary by ≥ 160 msec or $\geq 10\%$

Sinus arrhythmia is a major factor in beat-to-beat heart rate variability (HRV). The presence of maintained HRV is a manifestation of active, healthy vagal tone, and an important marker for good cardiovascular prognosis.