Graph of height of JVP with time:

- Atrial systole
- Atrial diastole
- Ventricular systole

- Tricuspid closes at start of ventricular systole
- Maximum atrial filling pressure before ventricular diastole
Diastole

Ventricular systole

Diastole

a wave
Atrium contracting, tricuspid valve open

x descent
Atrium relaxing then filling, tricuspid closed

v wave
Atrium tense, full; tricuspid closed

y descent
Atrium emptying, tricuspid open
P = Atrial Contraction

T = Ventricular Repolarization

QRS = Ventricular Contraction
Fig. 1.10 The ECG patterns recorded by the V leads