



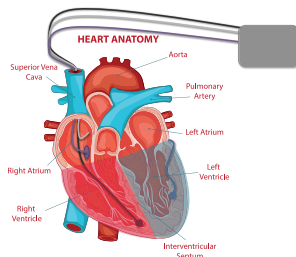
Pacemakers and the ECG

Pacing on a 12-lead ECG Part II

Cardiac resynchronization



Cardiac resynchronisation pacemakers control the timing between ventricular contractions.

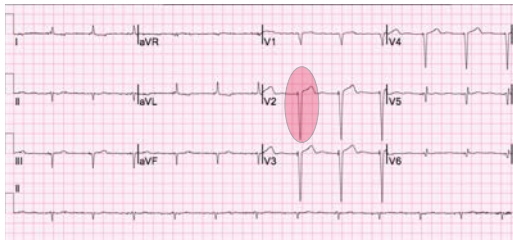


Biventricular pacing

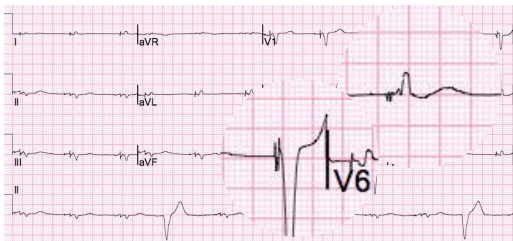
A pacing spike followed by...



- Narrow QRS <120 ms
- Double pacing spike
- Prominent R wave in V1

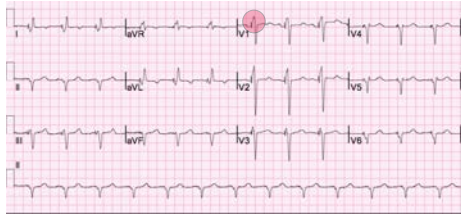


Narrower complexes?



A second pacing spike?

Suggestive of left ventricular involvement



Prominent R wave in V1

Take away message



A ventricular pacing spike followed by a **narrow QRS** is **suggestive** of biventricular pacing.
