



## Pacemakers as diagnostic tools

Arrhythmia data

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### Arrhythmia



Pacemakers can record any intrinsic activity they believe to be an arrhythmia. It is down to the clinician to interpret the data.

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- Classification
- Start time
- Duration
- Rate
- Graphs
- E-grams

### Arrhythmia diagnostics

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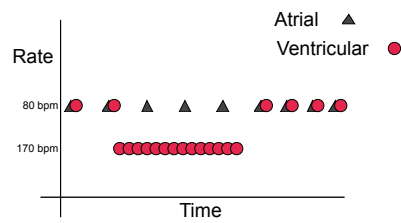
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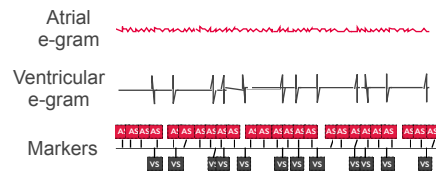
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Classification	Date	Start time	Duration	Average atrial rate	Average ventricular rate
Atrial tachycardia	18-Nov 2014	09:10:25	1:24:15	220 bpm	80 bpm
Ventricular tachycardia	06-Nov 2015	19:55:11	0:00:54	80 bpm	148 bpm
PMT	02-Nov 2016	00:10:17	0:00:10	120 bpm	120 bpm

**Summary table**



**Interval plot graph**



**E-grams**

PVC count **12,374**  
Average PVCs per hour **2-3 per hour**

Number of mode switches **1,346**  
Percentage AF **2%**

### Other counters

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### Takeaway message



The pacemaker is often **mistaken** when classifying an arrhythmia. Use the evidence provided to make your **own** interpretation of the rhythm

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