



# Nuts and bolts of pacing

Pacemaker thresholds

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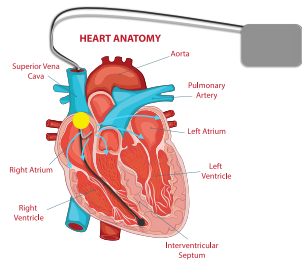
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**Output pulse**

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## Threshold



The minimum amount of energy required to trigger a depolarization

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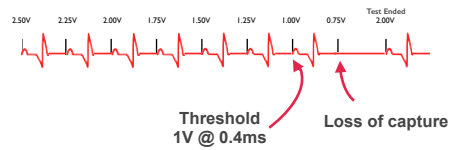
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Atrial voltage threshold test  
90 bpm  
Pulse width 0.4ms



## Finding the threshold

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## Knowing the threshold



- Ensuring a safety margin **threshold x 2**
- Delaying battery depletion

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## Takeaway message



The pacing threshold is the **minimum** output pulse that is **successful** in triggering depolarization.

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