

# King of Hearts Express® Recorder – Case Study

## “My Heartbeat Slows While I’m Jogging. Sometimes I Feel A Fluttering In My Chest.”

### **Situation:**

A 54-year-old man with a history of ventricular tachycardia was referred to rule out arrhythmias.

### **History:**

The patient had a history of syncope with known ventricular ectopic activity including ventricular tachycardia. The King of Hearts Express® cardiac event recorder was prescribed to document his current arrhythmias.

### **Outcome:**

The patient kept the event recorder for 20 days. He recorded a total of seven episodes during the monitoring period, documenting symptoms that ranged from "slight fluttering in the chest" to "slow heartbeat."

The "fluttering" was associated with normal sinus rhythm, with occasional isolated ventricular premature contractions, couplets and short runs of ventricular bigeminy.

The "slow heartbeat" was associated with sustained runs of rapid, wide-complex tachyarrhythmia (rate 220 beats per minute) during strenuous exercise, interrupted by episodes of sinus tachycardia (rate 165-170 beats per minute) with ST depression.

The patient was taken to the electrophysiology lab for evaluation. Successful radio frequency ablation for ventricular tachycardia was performed. The patient returned to his cardiologist for clinical follow-up.

Once again the use of long-term cardiac event recording was affirmed.

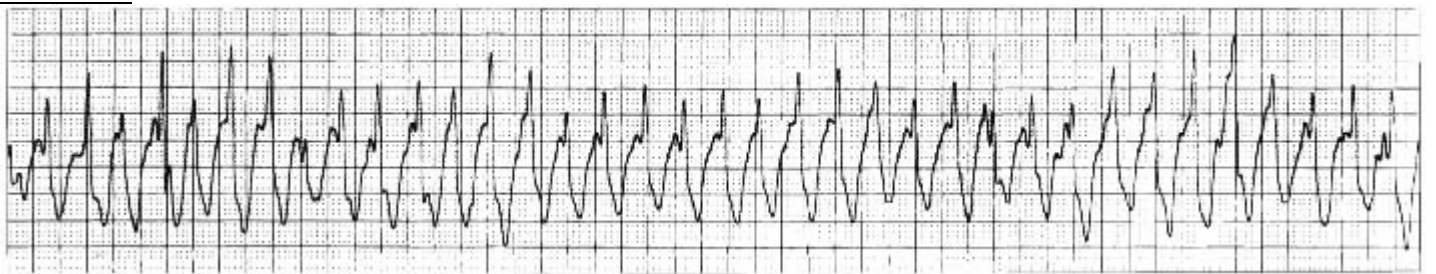
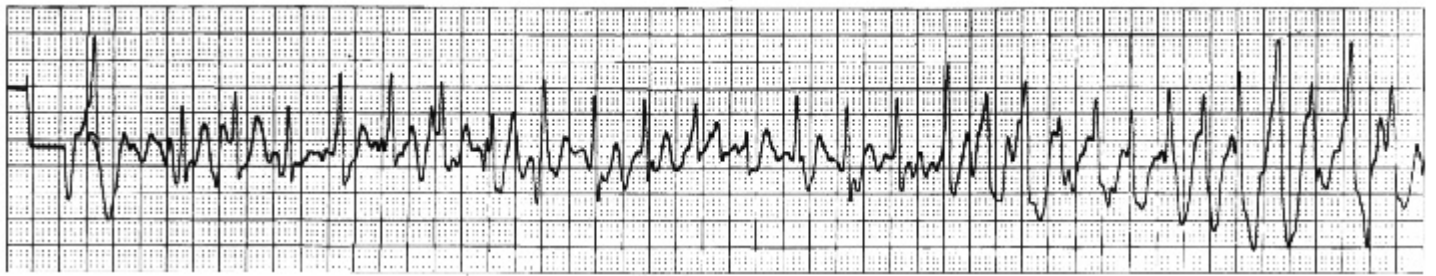
### **Equipment:**

The King of Hearts Express Cardiac Event Recorder.

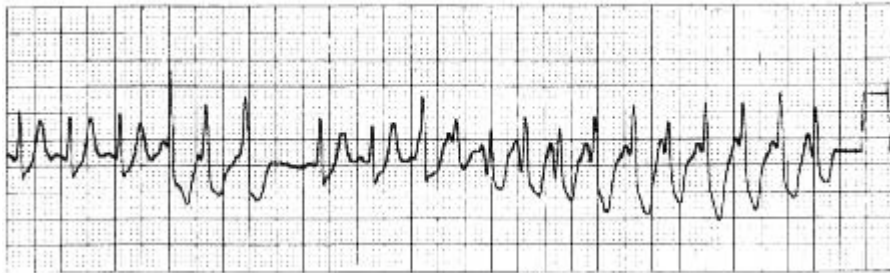
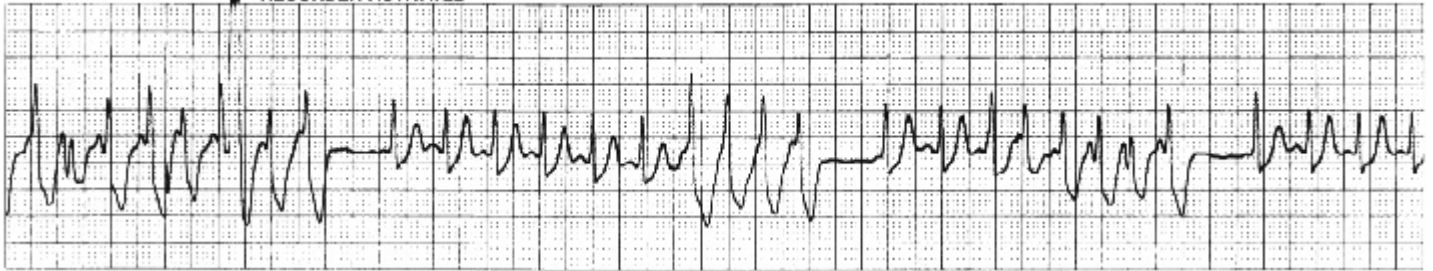
*From case files of Beth Israel Hospital, Boston, MA*

*Courtesy of: Ary L. Goldberger, MD, Mark E. Josephson, MD, and Diane Perry, CCT*

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