

King of Hearts Express[®] AF Recorder - Case Study

Event Recorder Automatically Captures Significant Asymptomatic Episode of Atrial Fibrillation

Situation

A 72-year-old man was prescribed a King of Hearts Express[®] AF¹ cardiac event recorder to determine if his syncope, dizziness and shortness of breath were cardiac related. The recorder automatically captured a clinically significant episode of Atrial Fibrillation.

History

The patient was admitted to the hospital after a syncopal episode. According to his wife, this was not the first time this had happened. He hadn't experienced any palpitations, but did have a history of infrequent episodes of dizziness and shortness of breath. While in the hospital, he was confined to the telemetry floor and was monitored continuously for four days. He was also given a Cardiolite[®] stress test, a cardiac echo, and other testing. Because the results all showed Sinus Rhythm, the patient was sent home without any cardiac medication.

After his hospital stay, he and his wife took his pulse regularly and reported a range from 40-50.

With little to go on, the physician decided to prescribe a King of Hearts Express AF recorder, which has the capability to automatically activate during episodes of Atrial Fibrillation, Tachycardia, and Bradycardia.

Outcome

On the second day of wearing the recorder, the patient called in because it was going "crazy". Although the patient was asymptomatic, the King of Hearts Express AF recorder automatically activated on an episode of rapid Atrial Fibrillation at 150 BPM (see strip on back).

The next day he was started on Digoxin.

Equipment

A King of Hearts Express AF cardiac event recorder with programmable auto-activation capability for Tachycardia, Bradycardia, and Atrial Fibrillation.*

From the case file of:

Robert Schwarzberg, M.D. and Maria Murry RN
Boca Raton, Florida

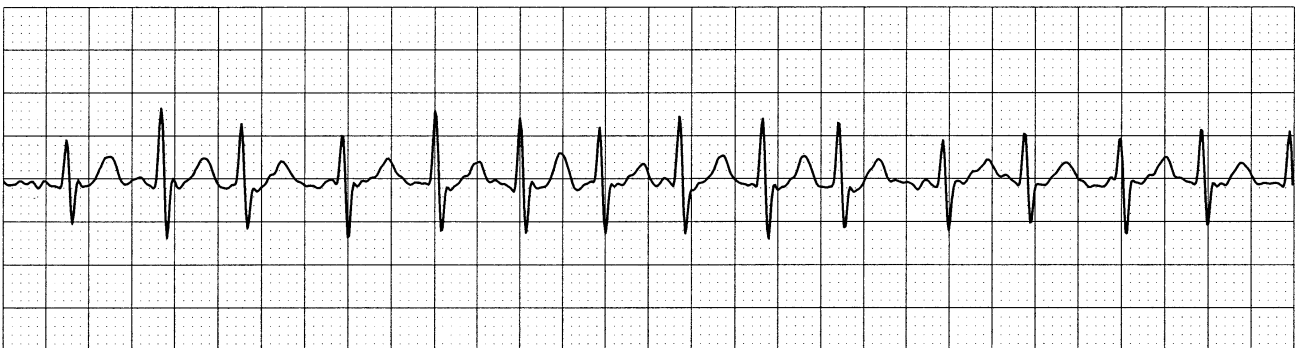
¹ The device used in this Case Study was a LifeStar AF Express[®] recorder, which is identical to a King of Hearts Express AF recorder except for the labeling.

* Although the algorithms are very sophisticated, there is no guarantee that they will detect arrhythmia(s), nor is there any guarantee that the transition to the arrhythmia(s) will be successfully recorded in all auto-triggered events.

THE
IMPORTANCE
OF AUTO-
ACTIVATION
CAPABILITIES
IN CARDIAC
EVENT
RECORDING...

*Sometimes
significant
rhythm
changes are
asymptomatic*

King of Hearts Express[®] AF Recorder - Case Study



Instromedix[®]
A Card Guard Company

6779 Mesa Ridge Road, Suite 200 • San Diego, CA 92121
Toll Free: 800-633-3361 • Fax: 858-777-2373
www.instromedix.com

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