Rarely documented spontaneous termination of prolonged Ventricular Fibrillation recorded on a Permanent Pacemaker

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Introduction: An 88 year old female with permanent Atrial Fibrillation (AF) and normal QT presented to the emergency department following a witnessed collapse. Her Permanent Pacemaker (PPM) was interrogated.

Methods: To report the rare occurrence of prolonged Ventricular Fibrillation (VF) spontaneous termination.

Result: PPM Interrogation revealed a high ventricular rate episode at the time of collapse. Electrograms shown in figure documented VF lasting two minutes and four seconds with spontaneous termination. The patient remained in AF. Upon hospital discharge the patient was commenced on metoprolol and amiodarone.

Conclusion: Prolonged VF can terminate spontaneously as documented on this occasion.