



## Runaway Pacemaker a Very Rare But Dangerous Phenomenon

Rotondi F\*, Esposito F, Nappi F, Vitillo P, Urraro F, Laurino A and Di Lorenzo E

Department of Cardiology and Cardiovascular Surgery, 'San Giuseppe Moscati' Hospital, Italy

### Abstract

Runaway pacemaker is a dangerous dysfunction characterized by fast spikes that induces ventricular tachycardia usually caused by electronic failure of the device.

The runaway pacemaker is a very rare phenomenon with modern device but if present may be associated with devastating clinical consequences.

### Clinical Image

A 72-year-old man with a single chamber (VVIR) Pacemaker (PM) was transported to our hospital because of dyspnea and palpitations.

A 12-lead ECG revealed paced rhythm with ventricular pacing at the rate of 190 bpm (Figure 1). The pacemaker-induced ventricular tachycardia was stopped by applying a magnet to the device. After the application of the magnet, appeared a spontaneous rhythm with a frequency of 67 bpm. The device was explanted with replacement of new VVIR PM. The patient was discharged asymptomatic after 2 days.

Runaway pacemaker was the final diagnosis [1,2].

### Conclusion

The Runaway is a very rare phenomenon, but it may be associated with devastating clinical consequences.

### OPEN ACCESS

#### \*Correspondence:

Francesco Rotondi, Department of Cardiology and Cardiovascular Surgery, 'San Giuseppe Moscati' Hospital, Avellino, Italy, Tel: +390825203239; Fax: +390825203239

Received Date: 18 Dec 2023

Accepted Date: 28 Dec 2023

Published Date: 01 Jan 2024

#### Citation:

Rotondi F, Esposito F, Nappi F, Vitillo P, Urraro F, Laurino A, et al. Runaway Pacemaker a Very Rare But Dangerous Phenomenon. *Ann Clin Case Rep.* 2024; 9: 2550.

ISSN: 2474-1655.

Copyright © 2024 Rotondi F. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

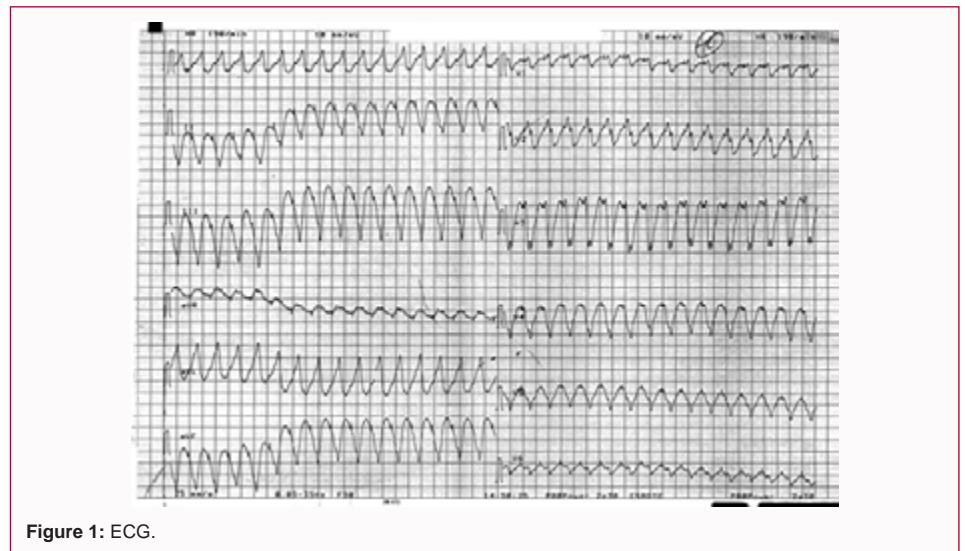


Figure 1: ECG.

### References

1. Gul A, Sheikh MA, Rao A. Runaway pacemaker. *BMJ Case Rep.* 2019;12:e225411.
2. Ortega DF, Sammartino MV, Pellegrino GM, Barja LD, Albina G, Segura EV, et al. Runaway pacemaker: A forgotten phenomenon? *Europace.* 2005;7(6):592-7.