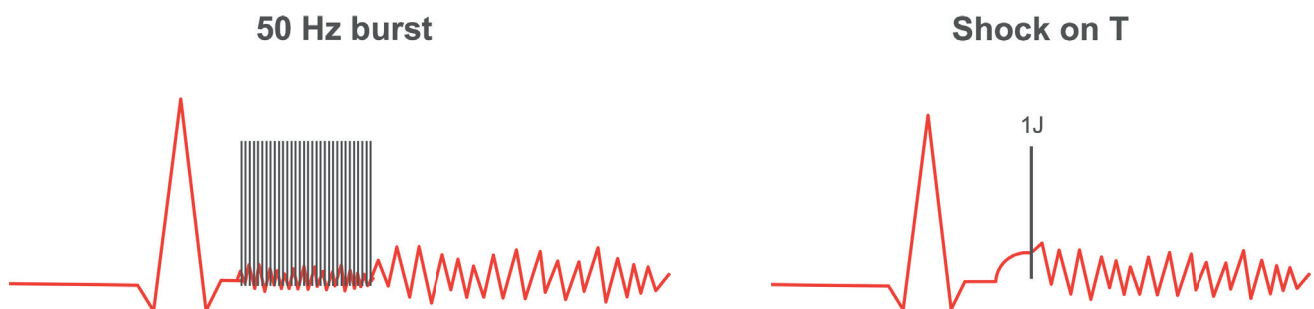


UNDERSTANDING DEVICE LIMITATIONS AND SOLUTIONS

Ventricular fibrillation induction (device testing)

Key take-away points

- Induction of ventricular fibrillation (VF) is a controlled cardiac arrest in the safest possible environment to test device efficacy.
- 50 Hz is extremely rapid pacing that can trigger ventricular fibrillation (VF).
- T-shock, or shock on T, is a lower energy shock (around 1 Joule) delivered during a T wave that can induce ventricular fibrillation (VF).



Notes

References

Phan K, Ha H, Kabunga P, et al. 2016. Systematic review of defibrillation threshold testing at de novo implantation. *Circ. Arrhythm. Electrophysiol.* pii: e003357. doi: 10.1161/CIRCEP.115.003357.