



CGH Cardiac Implantable Electronic Device Team

Singapore Healthcare Management 2017

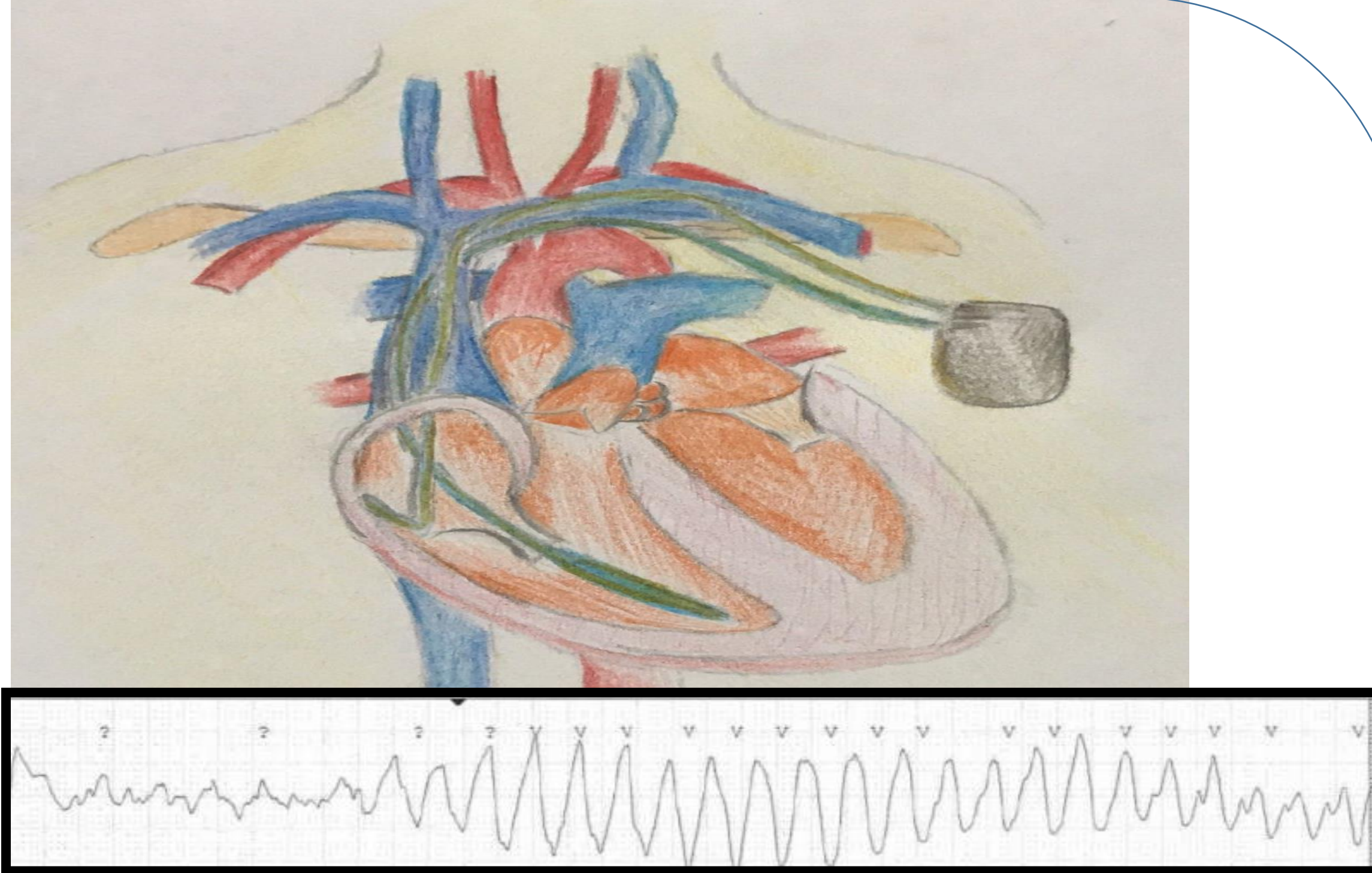
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Impact on Implantable Cardioverter Defibrillator implantation rate following establishment of Cardiac Implantable Electronic Device Team

Introduction



- ❖ Implantable Cardioverter Defibrillators (ICDs) improve survival for both primary and secondary prevention of sudden cardiac arrest.
- ❖ However, the ICD uptake rate in our institution is poor (30%) primarily due to patients' indecision and apprehension of ICD procedure.
- ❖ Accordingly, cardiac implantable electronic device (CIED) team was established in November 2014 in order to improve patient acceptance rate by providing counseling and feedback.
- ❖ Hence, this study is to evaluate the implication of establishment of CIED team on ICD implantation rate

Results

- ❖ There was a total of 126 new ICD device implanted (4.8 cases per month) prior to CIED team formation as compared to 135 new ICD device implanted (5.2 cases) following CIED team establishment.
- ❖ Moreover, with the establishment of CIED team as well as dedicated telephone line (during office hour), we were able to provide instant feedback on patients' concern before and after device implantation.
- ❖ Patients' apprehensions regarding the ICD procedure were greatly reduced.

Methodology

All patients who require ICD for primary or secondary prevention of sudden cardiac arrest

Sep 2012 – Oct 2014

Nov 2014 – Dec 2016

Inclusion Criteria

All new ICD and Cardiac Resynchronisation Therapy Defibrillator cases

Exclusion Criteria

Patients who underwent ICD pulse generator changes or device upgrading

ADD

- ❖ CIED Team
- ❖ Point of Contact

Conclusion

With the establishment of CIED team, the ICD acceptance rate was clearly improved within relatively a short period of time.

Eligible for ICD for prevention of sudden cardiac death (primary/secondary)

- Detailed Counseling by Device Nurses
- Watch CIED awareness video
- Allay Anxiety / Assess Readiness



Agreed

Schedule a date for implantation

Consideration of implantation

More time to reconsider and contact Device Nurses when they are ready

Disagreed