An Alternative To Implanting Loop Recorders In A Hospital

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An Alternative To Implanting Loop Recorders In A Hospital
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Background
Cardiac arrhythmias/unexplained syncopal episodes remain a challenge. Loop recorders assist in identifying the causes behind cardiac and neurological events.

Method
Design: Retrospective comparative review of electronic medical charts (N=194) from 10/21/2016 to 10/20/2017
Framework: Quality-Cost Framework (Health Care Quality, Costs; Return on investment/bedside implantation influence on cost).
Variables:
- Dependent: patients’ length of stay, timeline of procedure, cost, number of staff involved, number of procedures, and hospital return on investment
- Independent: Implantable loop recorders procedure (at the bedside and in the Electrophysiology lab)
Data Analysis. Descriptive statistics to compare the two groups’ outcomes means
Ethics: Approved by the Institutional Review Board.

Results
Bedside procedures resulted in:
- Increased number of procedures
- Increased hospital return on investment
- Cost savings: Decreased labor cost/Staff

Implications for Practice
Nursing Practice:
- Early discharge/Increased patient satisfaction
- No sedation/less invasive procedure
- No delay for EP Physician/EP room available
- 2-3 CVCU rooms in use one after the other

Hospitals’ Administrators:
- Decreased length of stay
- Increased return on investment
- Quick Turn around
- Less staff per procedure

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