

Interferential Non-Invasive Pacer

The technology, Interferential Non-Invasive Pacer is designed as an improvement to existing temporary pacers. This technology improves cardiac output, eliminates discomfort that is normally present when using temporary pacing. One of the most important aspects of the invention is that stimulates the myocardium in isolation; hence, it is a novel technique for pacing the heart non-invasively.

Non-invasive temporary pacers (NTP) exist as part of the defibrillator and cardiac monitor systems markets. Both of these markets exceed \$1 billion each in global revenues. The AED segment of the defibrillator market is growing at a rapid pace, while the manual external defibrillators and cardiac system monitors have slowed. The lines between these two markets have recently become blurred as manufacturers now offer the defibrillator, pacer and monitor combined into one unit. With rising healthcare costs and reduction in reimbursement, the key to maintaining a competitive position in this market is by offering a device that creates efficiency and reduce overall costs.

Salient features

- The device can selectively stimulate the myocardium (thick middle layer of the heart). It stimulate the heart to return it to an acceptable rhythm
- The device can be operated by any medical professional including a paramedic, physician or nurse
- Technology produces no discomfort to the patient

Areas of application

- Healthcare industry

End users

- Medical equipment manufacturers
- Hospitals
- Ambulances
- Rural Health Centers