Heart Failure Recovery (HFR) Device

OCR Number: OCR 6556

Description:

Heart Failure Recovery (HFR) Device

A device specifically designed to prevent readmissions and in hospital stay of patients with congestive heart failure

- Insertion under local anesthesia: key hole approach (minimally invasive)
- On demand device to treat CHF exacerbation.
- Subsequent office based care (no need for admission to hospital)
- Robust circulatory support to help tailor medical therapy.
- Avoids adverse events (pump thrombosis, GI bleeding, strokes and infection) that plague current LVAD devices (HeartMate, HertWare, Jarvik and MicroMed Debakey pumps)
- Device battery charged/powered wirelessly with no need for any dressing changes/external leads.
- *International PCT patent application 'Heart Failure Recovery Device and Method of Treatment'*

PI: Pramod Bonde

Licensing Contact: Richard Andersson
richard.andersson@yale.edu

The HFR device include a pump, a coil for wireless charging and a purging system to start/stop & clean the pump without surgery.