

**LVAD-HEARTWARE**

1. **Contact 24 hour Mechanical Heart Specialist: (509) 481-7996 or (509) 474-7266.** If no answer, contact Sacred Heart Medical Center Operator (509-474-3131), who will locate the call person.

2. Emergency Scenarios

Scenario	Response
LVAD Failure – Continuous Rapid High Low Tone (Flashing red light)	<b>LVAD may have stopped:</b> The patient’s own heart is intact and <b>may</b> provide minimal cardiac output while the LVAD is stopped. <b>Initiate appropriate therapy to stabilize patient.</b> Fully monitor patient during transport. Call 24 hour Mechanical Heart Specialist at <b>(509) 481-7996</b> for instructions on changing to the patient’s backup Controller.
LVAD Working - Low Flow/Suction Alarm-3 Beep scale (flashing yellow light)	The HeartWare LVAD is dependent on right ventricular function. With arrhythmia, decreased function of right ventricle will affect LVAD flows. The LVAD may be able to maintain flow high enough to keep patient from going into shock. If patient has rapid ventricular arrhythmia or ventricular fibrillation, counter shock both stable and unstable patients and give large amounts of IV fluids..
LVAD Working Low Flow Alarm-3 Beep Scale (flashing yellow light)	ECG Normal. Suspected internal bleeding (hypovolemia). If patient is symptomatic, initiate appropriate therapy to stabilize patient including volume replacement.
LVAD Working Low Flow Alarm-3 Beep Scale (flashing yellow light)	ECG Normal. <b>High watts</b> can be a sign of thrombus in the pump. Controller fault indicates a Controller malfunction. Electrical fault can be caused by a break in the wiring.

3. Large bore peripheral venous access should be established on patient.
4. Patient may not have a **palpable pulse or measurable blood pressure** even when the pump is providing adequate circulation.
5. Perform routine CODE procedure, if indicated, including cardiac compressions.
6. Patient’s Controller (small box attached to percutaneous driveline) will display alarm lights and tones. Patient (or companion) will bring extra batteries before transporting. Do not disconnect controller from patient unless instructed by Mechanical Heart Specialist.