

2025 Electrical-Electronic (powersupply)

Permission to print:	Yes
Category	Electrical / electronic
Severity	Good Catch Near Miss
Duration of incident:	hours
Description:	<p>Full and detailed description of incident or variancel was the on-call perfusionist arriving for a 9am start. On arrival in the department, I was alerted to the fact that there was an aortic dissection on the table and the timing was "knife to skin". A second pump had been set up but not primed. It is our practice that a second pump is primed at 9am as back up. I quickly set the pump to CO2 flush and went into theatre to ascertain how the case was going. The situation was very tense so I remained with the primary perfusionist at the surgeon's request to offer support and a second pair of hands. When the situation allowed, I returned to the Perfusion room and finished priming the emergency pump, returning to theatre for the remaining duration of the case. At the end of the case, some 5 hours later, I returned to the pump room. I looked at the Essenz screen and noticed the battery low level warning and battery defective error message. (There is no pump room checklist only an "in theatre" check for power and battery backup). I realised my mistake in rushing and had not connected the pump to the power supply when turning it on for the priming process. At no time did I hear an audible alarm. I plugged the pump into power. The battery was very slow to charge and displayed the battery defective error message. It recommended doing a battery test. I started a battery test and primed another pump as our back up. The battery charged, discharged and recharged. The duration to complete this was 27 hours. This has happened within the department a previous time. A machine was in theatre for a standby case and not plugged in. The next morning the battery was completely empty. An audible alarm sounds if a switched on pump becomes unplugged however if it is started without power, there is a [very small grey] notification dropdown warning at the top of the cockpit (see pic) and no audible alarm until it is critically low.</p>

GOOD CATCH - what went well There was another bypass machine available to use as a standby.

What could we do better A second primed pump set up overnight. Audible alarms in the software.

Preventive actions Potential to leave pumps plugged into supply when not in use,. Talked with Liva Nova regarding [the need for] an audible alarm when the pump is switched on without power supply.

Type of incident:	Management
Timing of incident:	Setting up pre-
prime Hospital incident filed	No
Discussed with team:	Yes
Knowledge issue	No
Ext Authority Advised	No
Protocol issue	No
Rule issue	Yes
Skill issue	Yes
Team Issue	No

