

2024 Electrical-Electronic (pump servoregulation)

Permission to print: Yes

Category Electrical / electronic

Category 2 Pump Servoregulation

Severity Good Catch No Harm Incident

Description: Incident involving Essenz cardiopulmonary bypass machine during congenital open-heart surgery. During cardioplegia delivery the arterial bubble sensor incorrectly triggered. The fault occurred twice during the induction dose of cardioplegia using a 1/4" arterial bubble alarm. Of note are using software v1.4. We were aware of this problem occurring elsewhere with software v 1.3 but apparently being resolved with the upgrade to v1.4.

GOOD CATCH - what went well Perfusionist was aware fault had occurred during previous cases so was able to reinstate CPB and CPG delivery in a timely manner

What could we do better For the software fault to have not occurred- rigorous testing of software updates.

Preventive actions Reported to Liva Nova and watch for any recurrence.

Type of incident: Equipment

Duration of incident: seconds

Hospital incident file No

Ext Authority Advised Yes

Patient outcome varianc Nil