

Permission to print:	Yes
Near Miss or Accident	Accident
Type of incident:	Equipment
Catagory	Pump Servoregulation
Knowledge Error	No
Protocol issue	No
Rule Error	No
Skill Error	No
Team Issue	No
Violation	No
Chance event:	No
Description:	Sorin S5 HLM Bubble Sensor 'Alarm' triggered, stopping Arterial Roller Pump , hence perfusion to the patient. HLM Bubble Alarm was reset, but immediately triggered again, stopping the Arterial Roller Pump a second time. An emergency call made for assistance, while resetting the Bubble alarm a second time. HLM Bubble Alarm was successfully reset, Arterial Roller Pump restarted and the bypass resumed.
Contributing factors:	Initially suspected a malfunction, interference or surges in Arterial line pressure as a result from the Arterial Roller Pump suddenly starting each time the Bubble Alarm was reset, triggering Arterial line pressure Alert alarm. On review it was ascertained that the Bubble sensor setting of "small" was too fine and allowed the pump shutoff to be triggered by the initial crystalloid / blood interface at the start of bypass. On the pump stopping the interface retracts and retriggers the arterial pump shutoff.
Corrective action:	Checked Circuit Clear, before attempting resetting of the HLM Bubble alarm - The Spectrum detected zero arterial emboli during this event.
Preventative action plan:	The Bubble sensor on the S5 is now reset at "medium" with no further occurrence
Manufacturer advised:	Yes
Discussed with team:	Yes
Ext Authority Advised	No
Patient outcome variance f	Nil