

2024 Circuit disruption (Tubing pack cover)

Permission to print:	Yes
Category	Circuit disruption
Severity	Good Catch Near Miss
Duration of incident:	minutes
Description:	<p>I was routinely preparing and priming a circuit for a paediatric case, which in this instance included using a 3/8" x 3/8" AV Loop (LivaNova Custom Physio Tubing, Lot No. PR1600039785). After I had finished priming and signing off my safety checklist, while waiting for my patient to enter theatre, the AV loop fell out of its wrapping, breaching sterility. This was noticed by my colleague while I stepped out of the room to check a prime sample gas. Upon noticing this, the AV loop was immediately cut out and carefully replaced with a new loop of identical size, in an aseptic manner. As the new AV loop was an identical Lot No. I carefully inspected the sterile package prior to handing the lines up to the table. This Lot No. had much a shorter amount of tape (single loop) securing the sterile wrapping than usual, and the tape had lost its adhesiveness. The supplier (LivaNova) was notified of the issue and confirmed that an internal follow up would take place for quality assurance.</p>
GOOD CATCH - what went well	<p>Noticing the fault and sterility breach prior to the patient entering theatre. Following up with other stakeholders (the supplier) to ensure appropriate quality improvement and assurance processes are in place.</p>
Preventive actions	<p>As in our paediatric unit we commonly customised each circuit unique to each patient's size, and consequently attach our own AV loops prior to priming, we should take greater care in inspecting the packing of the AV loop to ensure the sterile cover is secure before attaching it to the circuit.</p>
Type of incident:	Equipment
Timing of incident:	Prime
Hospital incident filed	No
Ext Authority Advised	No
Discussed with team:	Yes
Manufacturer advise	Yes
Patient outcome variance	Nil