2020 Prebypass Filter

Permission to print:	Yes
Incident type	Good Catch Near Miss
Category	Circuit error
Type of incident:	Equipment
Duration of incident:	minutes
Description:	Our standard circuit consists of a LIVANOVA compiled tubing pack, and a Terumo FX25 oxygentor. Circuits are set up at the end of each case and are routinely CO2 gassed at set up, primed (plasmalyte), and air (21% O2) flushed. The circuit in question was setup the afternoon before uneventfully. Due to case for which the circuit was to be used the oxygenator module was changed from a FX25 to a FX15 (the circuit has quick lock connectors to facilitate sterile and rapid oxygenator exchange. The exchange proceeded uneventfully, and the pump was left to recirculate. A second perfusionist noted that when the pump was turned off fluid drained back into the reservoir from the sash. When the bypass loop was clamped forward flow was impeded (pressure stop exceeded), indicating a block in the table sash. On examination there was no tubing issue and the blockage was deemed to be due to the prebypass filter. The prebypass filter we have in our circuit is a Porous media 0.2 micacron 3/8 x 3/8 prebypass filter [LinaNOva] . A new table sash was cut into the circuit uneventfully. There have now been 4 recent occurrences across 2 institutions.
GOOD CATCH - what we	Issue was noted many hours before pump was to be used
What could we do better	Probably nothing.. this should have been reported to PIRS earlier, as has recently happened twice before.
Preventive actions	Waiting for company report, the first two filters have been sent back to Livanova for investigation. The current filter is awaiting company pickup.
Hospital incident filed:	No
Ext Authority Advised	No
Discussed with team:	No
Manufacturer advised:	No