

PIRS 2016 - IABP/Assist

Permission to print:	Yes
Incident type	No Harm Incident
Type of incident:	Equipment
Catagory	IABP/Assist
Description:	<p>IABP failure. Maquet CS100i. 50cc Mega 8.5Fr catheter. Console 8 years old.</p> <p>Patient on IABP transferred from outlying hospital for CABG surgery to be done the following morning. O/C perfusionist received a call that the IABP console had shut down without warning and had also been giving multiple alarms pertaining to Gas Loss. Ward staff advised to try re-starting the console and establishing IABP support whilst Perfusion travelled to the hospital (~20min).</p> <p>On arrival the IABP was on and functioning however, alarms pertaining to Gas Loss / Rapid Gass Loss and Balloon failure were constant. The console displayed good ECG signal with normal BP waveform. The IABP gas pressure waveform was slightly rounded off at the top and the Augmentation waveform was completely absent from the BP trace despite there being an apparent gas pressure in the catheter. The patient didn't have a Radial line at the time, just NIBP in the Cardiology ward. On inspection, there was no visible sign of blood in the gas phase. The BP lumen flushed and aspirated albeit quite slowly. Reducing the gas volume (augmentation setting) in the catheter alleviated the alarm messages to a degree but did not completely stop them. The catheter appeared to be in a reasonable position in the Aorta on X-ray and had previously been adjusted. The patient maintained a good BP throughout the incident. It was decided that the IABP catheter should be changed and at the same time, a replacement console would be utilized. However, coupled with continual ECG changes and on-going angina despite GTN and Heparin infusions it was decided that emergency CABG should be performed. The patient was also going into Pulmonary Oedema. IABP console subsequently shut down without warning for a second time whilst awaiting transfer to theatre .</p>
Preventive actions	Emergency CABG performed and IABP therapy was re-instituted prior to weaning from CPB using a replacement catheter and console. Console sent to Bioengineers for checking
GOOD CATCH - what went	
Protocol issue	No
Rule issue	No
Skill issue	No
Team Issue	Yes
Violation	No
Manufacturer advised:	No
Discussed with team:	Yes
Hospital incident filed:	Yes
Ext Authority Advised	No
Procedure acuity:	Emergent
Commentary	