

CPB EVENT(s)

- Blood Gas Monitoring ECMO Centrifugal Pump VAVD Cerebral Oximetry TPM cell Saver
 Inotropic support D/C Shock IABP Swan ganz CRRT VAD Pulsatile Flow
 Open Sternotomy Other EVENT:

CPB Check List

Patient

- Correct patient

Sterility

- Appearance
 Expire date

Heart-Lung machine

- Power Connected
 Start-up Normal
 Back-up Power

Heater-Cooler

- Start-up Normal
 Water connections
 Water Temperature

Gas Supply

- Gas lines Connected
 Flow meter/blender in order
 Vaporizer shut off

- Hoses Leak free
 Gas exhaust unobstructed

Pump

- Speed Controls operational
 Roller heads not obstructed
 Flow meter Calibration/direction

- Tubing holders secure
 Occlusion set

Tubing

- Pump tubing condition inspected
 Connections secure & leak – free
 Suckers functional and sucking
 Circuit shunts closed

- Patency of arterial (line) cannula verified

Monitoring

- Temperature probes positioned
 Pressure transducers calibrated
 In/on-line sensors Calibrated

Safety & alarms

- Low level alarm
 Air detector engaged
 Pressure alarm limits
 Temp alarm limit
 reservoir vented

Oxygenator

- Gas line attached
 Heat exchanger integrity inspected
 Exhaust attached

Debubbling

- Tubing
 Oxygenator
 Arterial filter/ Bubble Trap

Cardioplegia

- Solution checked
 System de-bubbled / Leak-free

Accessories

- Tubing clamps
 Hand cranks
 Backup circuit components

Anticoagulation

- Heparin time and dose verified
 Anticoagulation tested and reported

ACT	Activated Clotting Time	PBUF	Pre Bypass Ultrafiltration
ACP	Antegrade Cerebral Perfusion	PIPV	Post Infusion Pump Volume
CARR	Controlled Aortic Root Reperfusion	RAP	Retrograde Autologous Priming
CPB	Cardiopulmonary Bypass	RCP	Retrograde cerebral Perfusion
CRRT	Continues Renal Replacement Therapy	TPM	Temporary Pacemaker
CUF	Conventional Ultrafiltration	VAVD	Vaccum Assist Venous Drainage
DHCA	Deep Hypothermic circulatory arrest	VAD	Ventricular assist devices
ECMO	Extracorporeal membrane oxygenation	X Clamp	Cross Clamp
IABP	Intra Aortic Balloon Pump	ZBUF	Zero Balanced Ultrafiltration
MUF	Modified Ultrafiltration		

Ready to start by pass

Perfusionist Signature 1)

Perfusionist Signature 2)