Berlin Heart EXCOR®



Batteries: Last only

30 minutes

Anticoagulation

- Bivalirudin IV within 24 hr with goal of PTT 60–100 depending on risk factors/ care site preference
- Aspirin POD 1-2, uptitrate to either functional testing or use care site dose/kg goals
- Use of other anticoagulants/ antiplatelets is determined by the VAD care team

should be plugged in at all times, when not in transit

Blood Pressure

palpable pulse at the

• Patient will have a

set pump rate

Adequate blood

necessarv for

Fluid Status

Determine optimal

patient exam and

pump fill

fluid status by following

pump eject

pressure control is

Outlet: IKUS

Manual Pump: Pump at a speed of 60–80 BPM (per IFU)

Alarms

logging in)

Notify VAD care

team of alarms

Common Alarm: (Alarms

may need to be cleared by

Driving Tube: Improper

flow has been detected,

often caused by a kink

in a cannula. Change

resolve alarm.

position of cannula to

• Please Check Left/

Right Pump and

document any CLOT or FIBRIN

- To evaluate for clot or fibrin: Follow blood path with
- a flashlight and a mirror
- Look closely around the valves

Concerning if:

- Increasing in size >5mm
- Quick increase in amount of clot Becoming darker

• Mobile

Potential Emergencies

Power Failure: (Manual Pump) Membrane Rupture

- Switch driving tubes from the IKUS to the manual pump according to the color code
- Operate manual pump rhythmically with approximately 60–80 BPM
- Make sure membrane is moving completely

CPR: Chest compressions and defibrillation/cardioversion can be used if needed

• Watch for change in membrane movement on air or blood side

- Watch for a dark area or air bubbles on the blood side
- Watch for hemodynamic changes or heart failure signs and symptoms
- Treat heart failure

Perform emergency pump exchange

For Berlin Heart Algorithms & Emergency Care. scan the QR code for more resources



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