

HemoSphere Advanced Monitor Swan-Ganz CCO / SvO₂

Competency checklist

Name: _____

Unit: _____

Date: _____

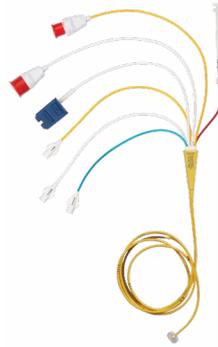
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YouTube
channel
for video
instructions



Critical elements

Swan-Ganz catheter setup

	Met	Not met
Plug the HemoSphere power cord to a hospital grade power outlet.	<input type="checkbox"/>	<input type="checkbox"/>
Ensure the HemoSphere Swan-Ganz module is present and connected to the HemoSphere advanced monitor.	<input type="checkbox"/>	<input type="checkbox"/>
Press the power button on the front of the monitor to power on the HemoSphere advanced monitor. All entries and selections are accessible via the monitor touch screen.	<input type="checkbox"/>	<input type="checkbox"/>
Once prompted, select either the “New Patient” button and enter patient data or the “Continue Same Patient” button. Then select “Next”.	<input type="checkbox"/>	<input type="checkbox"/>
Select the “Invasive” monitoring mode button on the “Monitoring Mode” selection window (entry will be illuminated in blue).	<input type="checkbox"/>	<input type="checkbox"/>
Touch the “Start Monitoring” button to proceed.	<input type="checkbox"/>	<input type="checkbox"/>
Touch the settings icon, “Select Screens” tab, and select the desired monitoring screen view.	<input type="checkbox"/>	<input type="checkbox"/>
Tap a parameter’s name on any available tile to customize the viewing screen with your desired parameter. Select the home icon to apply selection and return to the monitoring screen.	<input type="checkbox"/>	<input type="checkbox"/>
Tap the parameter’s number on any available tile to adjust alarms/targets. Select the home icon to apply settings and return to the monitoring screen.	<input type="checkbox"/>	<input type="checkbox"/>



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Continuous cardiac output (CCO) and continuous end diastolic volume (CEDV) monitoring	Met	Not met
For continuous cardiac output monitoring, connect the patient CCO cable to the HemoSphere Swan-Ganz module.	<input type="checkbox"/>	<input type="checkbox"/>
Attach the thermistor and thermal filament Swan-Ganz CCO catheter connections to the CCO cable.	<input type="checkbox"/>	<input type="checkbox"/>
Verify that the catheter is properly placed into the patient (if in demo mode, assume the catheter is already inserted into the patient).	<input type="checkbox"/>	<input type="checkbox"/>
Touch the “Start Monitoring” icon; a countdown clock will appear on the stop monitoring icon to indicate CCO data is being obtained. After approximately 5 to 12 minutes, when sufficient data has been obtained, a CO value will appear in the parameter tile.	<input type="checkbox"/>	<input type="checkbox"/>
The time until the next CO measurement is displayed below the stop monitoring icon; or shorter time spans between calculations, select STAT CO (sCO) as a key parameter. (20-second flow parameters are available when monitoring with the HemoSphere Swan-Ganz module and a PA (pulmonary artery) pressure signal is also monitored through a connected HemoSphere pressure cable, TruWave DPT, and CCOMbo V catheter (models 777F8 and 774F75). In addition, the 20-second flow parameter feature must be activated. Please contact your local Edwards representative for more information on enabling this advanced feature.)	<input type="checkbox"/>	<input type="checkbox"/>
Touch the “Stop Monitoring” icon to stop CO monitoring and select the “OK” button to confirm stop of monitoring.	<input type="checkbox"/>	<input type="checkbox"/>
For continuous end diastolic volume monitoring, connect one end of the ECG interface cable to the rear panel of the HemoSphere advanced monitor and the other end to the bedside monitor’s ECG signal output.	<input type="checkbox"/>	<input type="checkbox"/>
Touch the “Start Monitoring” icon to begin both CO and EDV monitoring.	<input type="checkbox"/>	<input type="checkbox"/>
To pause monitoring, hold down the “Silence Audible Alarms” icon, for five seconds to display the additional alarm silencing options. Then touch the “Monitoring Pause” icon to pause monitoring. A monitoring pause confirmation banner will appear to confirm suspension of monitoring operations.	<input type="checkbox"/>	<input type="checkbox"/>
To resume monitoring, touch the “Resume Monitoring” icon located on the navigation bar.	<input type="checkbox"/>	<input type="checkbox"/>
Venous oximetry (SvO₂) monitoring	Met	Not met
Connect the HemoSphere oximetry cable to the left side of the HemoSphere advanced monitor.	<input type="checkbox"/>	<input type="checkbox"/>
To begin the in vitro calibration, remove a section of the catheter tray lid to expose the optical connector.	<input type="checkbox"/>	<input type="checkbox"/>
Insert the optical connector of the catheter top side up into the oximetry cable and snap the enclosure shut.	<input type="checkbox"/>	<input type="checkbox"/>
Touch the settings icon, then “Clinical Tools” tab, and select the “Venous Oximetry Calibration” icon.	<input type="checkbox"/>	<input type="checkbox"/>
Select oximetry type: “SvO ₂ .”	<input type="checkbox"/>	<input type="checkbox"/>
Touch the “In vitro Calibration” button.	<input type="checkbox"/>	<input type="checkbox"/>
Enter either the patient’s hemoglobin (HGB) or hematocrit (Hct) value. A default value will appear in the entry field and may be used until the patient’s HGB or Hct is available.	<input type="checkbox"/>	<input type="checkbox"/>
Touch the “Calibrate” button.	<input type="checkbox"/>	<input type="checkbox"/>

Venous oximetry (SvO₂) monitoring (continued)	Met	Not met
When the calibration successfully completes, verify the following message appears: "In vitro Calibration OK, insert catheter".	<input type="checkbox"/>	<input type="checkbox"/>
Insert the catheter as described in the catheter directions for use.	<input type="checkbox"/>	<input type="checkbox"/>
Touch the "Start" button.	<input type="checkbox"/>	<input type="checkbox"/>
If SvO ₂ is not a displayed parameter, tap any available tile parameter's name to select SvO ₂ as a desired parameter. Select the home icon to apply selection and return to the monitoring screen.	<input type="checkbox"/>	<input type="checkbox"/>
Tap the number value within the SvO ₂ parameter tile to adjust alarms/targets. Select the home icon to apply settings and return to the monitoring screen.	<input type="checkbox"/>	<input type="checkbox"/>
To perform In vivo calibration, insert the catheter as described in the catheter directions for use.	<input type="checkbox"/>	<input type="checkbox"/>
Insert the optical connector of the catheter top side up into the oximetry cable and snap the enclosure shut.	<input type="checkbox"/>	<input type="checkbox"/>
Touch settings icon, then "Clinical Tools" tab, and select the "Venous Oximetry Calibration" icon.	<input type="checkbox"/>	<input type="checkbox"/>
Select "Oximetry Type": "SvO ₂ ."	<input type="checkbox"/>	<input type="checkbox"/>
Touch the "In vivo Calibration" button.	<input type="checkbox"/>	<input type="checkbox"/>
When baseline calibration is successful, touch the "Draw" button and then draw the blood sample and send the blood sample to the lab for measured analysis by co-oximeter.	<input type="checkbox"/>	<input type="checkbox"/>
Enter HGB or Hct and SvO ₂ when lab values are received.	<input type="checkbox"/>	<input type="checkbox"/>
Touch the "Calibrate" button.	<input type="checkbox"/>	<input type="checkbox"/>
Touch the settings icon, "Select Screens" tab, and select one of the desired monitoring screens available.	<input type="checkbox"/>	<input type="checkbox"/>
Tap a parameter's name on any available tile to customize the viewing screen with your desired parameter. Select the home icon to apply selection and return to the monitoring screen.	<input type="checkbox"/>	<input type="checkbox"/>
Tap the parameter's number on any available tile to adjust alarms/targets. Select the home icon to apply settings and return to the monitoring screen.	<input type="checkbox"/>	<input type="checkbox"/>

Passed competency

Needs to repeat competency

Validated by: _____

Date: _____

CAUTION: Federal (United States) law restricts this device to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, precautions and adverse events.

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