

SPECTRA OPTIA® APHERESIS SYSTEM

PERIPHERAL VENOUS ACCESS TIPS & TRICKS



Patient Preparation and Education



Choosing Needle Gauge and Flow Rates



Vein Selection and Venipuncture



Maintaining Steady Flow Rates During
the Procedure



Troubleshooting Pressure Alarms



Repeated Inlet/Return Pressure Alarms
on the Spectra Optia System

*Information presented here is for your consideration only.
Always follow your facility's standard operating procedure
when performing steps to obtain venous access.*



PATIENT PREPARATION AND EDUCATION

- Perform a venous assessment
- Set expectations—it may take more than one attempt to gain venous access
- Educate your patients about:
 - Hydration prior to apheresis
 - Exercise when possible (for example, flexing fingers)
 - Use of topical anesthetics



CHOOSING NEEDLE GAUGE AND FLOW RATES

Select a needle or angiocatheter that will support the chosen flow rate.

Flow rates may vary based on the patient characteristics.

17 gauge: 80 mL/min and above

18 gauge: 70 mL/min and above

19 gauge: 60 mL/min and below



VEIN SELECTION AND VENIPUNCTURE

- Assess arms for potential venipuncture sites
 - Palpate and visualize the vein for location, direction and depth
- Select a vein that will accommodate the needle size chosen
- Prior to performing the venipuncture
 - Warm the venous site
 - Position the patient's arm in a natural position
- Use distraction techniques when inserting the needles
- Stay calm
- Secure the needle; do not tape butterfly wings
- Use an ultrasound-guided technique, if available



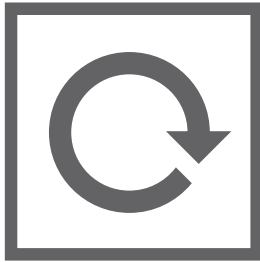
MAINTAINING STEADY FLOW RATES DURING THE PROCEDURE

- Use a blood pressure cuff as a tourniquet
- Check the position of the patient's arm and needle insertion sites
- Encourage the patient to squeeze a ball or squeezer
- Keep the patient warm
- Warm the patient's arm above and below the access site



TROUBLESHOOTING PRESSURE ALARMS

- Slow down the inlet pump flow rate
- Ask the patient to squeeze
- Check the pressure in the blood pressure cuff
- Reposition the patient's arm or the needle position
- Verify the flow rate is appropriate for the vein and needle gauge
- Ensure the patient is comfortable, warm and calm
- Check for obstructions along the inlet/return line
- Establish alternate access



REPEATED INLET/RETURN PRESSURE ALARMS ON THE SPECTRA OPTIA SYSTEM

- Cause the pumps to pause
- Lengthen the procedure time
 - 10 access alarms can increase your procedure by 15 to 20 minutes
- May cause clotting in the inlet site
- Could lead to an inefficient procedure

Note: Pressing the continue button without any other action will not fix the issue

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