# Blood Draws through Midlines

## Troubleshooting Guide

**PROBLEM:**

I am not getting sufficient blood return/blood draws from my PowerGlide Pro™ Midline catheter

| POSSIBLE CAUSE: | INTERVENTION: |
|---|---|
| Vessel collapsing upon aspiration | • Aspirate with a smaller syringe. The flow of blood is improved with a small syringe (i.e. 3 mL) over a large syringe (i.e. 10 mL).<br>• Place a tourniquet on the arm several inches above the catheter insertion site (3-4 inches for 8 cm catheter; 4-5 inches for 10 cm catheter) ensuring tourniquet is not occluding catheter or catheter tip and attempt withdrawal again.<br>• If using a vacutainer, attempt blood withdrawal with a syringe to create less vacuum within the vessel.<br>• Ensure proper patient positioning. Place patient in sitting or recumbent position, as appropriate.<br>• Assess catheter and extension set to ensure there is no visible external kinking.<br>• Apply a warm compress. The use of heat facilitates vasodilatation. |
| Maintenance protocols | • Flush the catheter with 10 mL of sterile saline every 12 hours or after each use or per facility protocol using a 10 mL or larger syringe.<br>• Do not flush against resistance. If the catheter will neither flush nor aspirate and it has been determined that the catheter is occluded with blood, a declotting procedure per institutional protocol may be appropriate. |
| Catheter movement due to placement near the antecubital fossa caused by the everyday motion of the patient | • When placing a midline catheter, ensure insertion site accommodates the dressing and extension set. |

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## Indications for use

The PowerGlide Pro™ Midline catheter is inserted into a patient's vascular system for short-term use (<30 days) to sample blood or administer fluids intravenously. These catheters may be used for any patient population with consideration given to adequacy of vascular anatomy and appropriateness of the procedure. The PowerGlide Pro™ Midline catheter is suitable for use with power injectors.

## Contraindications

The device is contraindicated whenever:

- The presence of device-related infection, bacteremia, or septicemia is known or suspected
- The patient's body size is insufficient to accommodate the size of the implanted device
- The patient is known or is suspected to be allergic to materials contained in the device
- Local tissue factors and/or past treatment will prevent proper device stabilization and/or access

Please consult product labels and inserts for any indications, contraindications, hazards, warnings, cautions and instructions for use.

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