Attach this Catheter Maintenance Guide to patient's chart.

Bard Access Systems, Inc.

Polyurethane PICC

*The Power of Purple**

This patient has a **PowerPICC*** Catheter

inserted on: _____ *(date)* Lot No. _____

by: _____ *(inserting clinician name)*

When cleaning the exit site:

WARNING:

- Do not wipe the catheter with acetone based solutions, or polyethylene glycol containing ointment. These can damage the polyurethane material if used over time.
- Avoid prolonged or excessive contact with alcohol or alcohol containing antiseptics as these are known to degrade polyurethane catheters over time.

DO:

- Maintain according to hospital protocol. Avoid using acetone based solutions, or ointment. These substances are known to degrade polyurethane.
- Use chlorhexidine gluconate and/ or povidone iodine to clean the exit site around the catheter.
- Allow all cleaning agents/antiseptics to dry completely before applying dressing.

Catheter Maintenance

Flush each lumen of the catheter with 10 ml saline every 12 hours or after each use. In addition, lock each lumen of the catheter with heparinized saline. Usually, one ml per lumen is adequate.

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New Important Information:

- Contrast media should be warmed to body temperature prior to power injection. **Warning**: Failure to warm contrast media to body temperature prior to power injection may result in catheter failure.
- Vigorously flush the **PowerPICC*** catheter using a 10 ml or larger syringe and sterile normal saline prior to and immediately following the completion of power injection studies. In addition, lock each lumen of the catheter with heparinized saline. Usually one ml per lumen is adequate. This will ensure the patency of the PowerPICC* catheter and prevent damage to the catheter. Resistance to flushing may indicate partial or complete catheter occlusion. Do not proceed with power injection study until occlusion has been cleared. **Warning**: Failure to ensure patency of the catheter prior to power injection studies may result in catheter failure.
- Do not exceed the maximum flow rate of 5 ml/sec. **Warning**: Power injector machine pressure limiting feature may not prevent over pressurization of an occluded catheter, which may cause catheter failure. **Warning**: Exceeding the maximum flow rate of 5 ml/sec, or the maximum pressure of power injectors of 300 psi, may result in catheter failure and/or catheter tip displacement.
- **Warning**: PowerPICC* catheter indication for power injection of contrast media implies the catheter's ability to withstand the procedure, but does not imply appropriateness of the procedure for a particular patient. A suitably trained clinician is responsible for evaluating the health status of a patient as it pertains to a power injection procedure.
- Use only lumens marked "Power Injectable" for power injection of contrast media. **Warning**: Use of lumens not marked "Power Injectable" for power injection of contrast media may cause failure of the catheter.

Power Injection Procedure:

1. Remove the injection/needleless cap from the PowerPICC* catheter.
2. Attach a 10 ml or larger syringe filled with sterile normal saline.
3. Aspirate for adequate blood return and vigorously flush the catheter with the full 10 ml of sterile normal saline. **Warning**: Failure to ensure patency of the catheter prior to power injection studies may result in catheter failure.
4. Detach syringe.
5. Attach the power injection device to the PowerPICC* catheter per manufacturer's recommendations.
6. Contrast media should be warmed to body temperature prior to power injection. **Warning**: Failure to warm contrast media to body temperature prior to power injection may result in catheter failure.
7. Use only lumens marked "Power Injectable" for power injection of contrast media. **Warning**: Use of lumens not marked "Power Injectable" for power injection of contrast media may cause failure of the catheter.
8. Complete power injection study taking care not to exceed the flow rate limits. **Warning**: Power injector machine pressure limiting feature may not prevent over pressurization of an occluded catheter, which may cause catheter failure. **Warning**: Exceeding the maximum flow rate of 5 ml/sec, or the maximum pressure of power injectors of 300 psi, may result in catheter failure and/or catheter tip displacement.
9. Disconnect the power injection device.
10. Replace the injection/needleless cap on the PowerPICC* catheter.
11. Flush the PowerPICC* catheter with 10 ml of sterile normal saline, using a 10 ml or larger syringe. In addition, lock each lumen of the catheter with heparinized saline. Usually one ml per lumen is adequate.