Indications For Use

The PowerGlide™ 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™ Midline Catheter is suitable for use with power injectors.

Warnings

- Alcohol should not be used to lock, soak or declot PowerGlide™ Midline Catheters because alcohol is known to degrade polyurethane catheters over time with repeated and prolonged exposure.
- Failure to ensure patency of the catheter prior to power injection studies may result in catheter failure.
- Power injector machine pressure limiting feature may not prevent over-pressureization of an occluded catheter, which may lead to catheter failure.
- Exceeding the maximum flow rate or the maximum pressure of power injectors of 325 psi (2241 kPa) may result in catheter failure and/or catheter tip displacement.
- PowerGlide™ Midline Catheter's 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.
- Therapies not appropriate for midline catheters include those therapies requiring central venous access. Refer to standards of practice and institutional policies.

Power Injection Procedure

1. Remove the injection/needleless cap from the PowerGlide™ Midline 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.
4. Detach syringe.
5. Attach the power injection device to the PowerGlide™ Midline Catheter per manufacturer's recommendations.
6. To achieve maximum flow rate as promoted on the catheter hub, contrast media should be warmed to body temperature prior to power injection. Caution: Failure to warm contrast media prior to power injection may result in flow rates less than printed on the catheter hub.
7. Complete power injection study taking care not to exceed the flow rate limits. Do not exceed the maximum flow rate as printed on the catheter hub.
8. Disconnect the power injection device.
9. Replace the injection/needleless cap on the PowerGlide™ Midline Catheter.
10. Flush the PowerGlide™ Midline Catheter with 10 mL of saline, or per facility protocol.

Catheter Identification

Catheters with a non-trimmable length printed right on the catheter hub, so there's no guessing what type of catheter you're dealing with.

<table>
<thead>
<tr>
<th>Catheter Length</th>
<th>Catheter Gauge</th>
<th>Maximum Power Injector Pressure Setting</th>
<th>Gravity Flow Rate (mL/hr)</th>
<th>Priming Volume (mL)</th>
<th>Power Injection Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 cm</td>
<td>22 G</td>
<td>325 psi</td>
<td>1,413</td>
<td>0.13</td>
<td>2 mL/sec</td>
</tr>
<tr>
<td>8 cm</td>
<td>20 G</td>
<td>325 psi</td>
<td>2,108</td>
<td>0.13</td>
<td>5 mL/sec</td>
</tr>
<tr>
<td>10 cm</td>
<td>20 G</td>
<td>325 psi</td>
<td>2,108</td>
<td>0.15</td>
<td>5 mL/sec</td>
</tr>
<tr>
<td>8 cm</td>
<td>18 G</td>
<td>325 psi</td>
<td>3,638</td>
<td>0.16</td>
<td>7 mL/sec</td>
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<tr>
<td>10 cm</td>
<td>18 G</td>
<td>325 psi</td>
<td>3,379</td>
<td>0.17</td>
<td>7 mL/sec</td>
</tr>
</tbody>
</table>

Not intended as a replacement for the IFU. Please consult product labels and inserts for any indications, contraindications, hazards, warnings, cautions and instructions for use.

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