**System Set-Up**

- Connect foot pedal to console
- Connect air hose to air supply
- Connect air supply to console
- Open gas tank to pressurize system (min 34.4 bars in the tank / 6.2 - 7.6 bars to the console)

**Rotablation flushing cocktail**

- Rotablation cocktail with verapamil, nitrates and heparin in saline (5 mg/5 mg/5,000 U in 500 ml of saline)\(^1\)

**Component Set-Up**

- Attach advancer to the console (3 connections: Turbine, flushing and optical fibers)
- Attach saline infusion port to IV pressure bag (inflate to ~200 mmHG)
- Open irrigation line
- Backload burr catheter onto guidewire
- Connect wire clip torquer

**Pre-Procedure System Test**

Test system outside body with foot pedal activated

- **D**rip: Verify irrigation at distal tip of burr catheter
- **R**otation: Set burr speed to desired RPM level and verify Dynaglyde speed
- **A**dvancement: Confirm advancer knob and burr move freely
- **W**ire: Verify brake is holding guidewire while burr is spinning and wire clip is affixed

**Guide Catheter Selection & Sizing**

<table>
<thead>
<tr>
<th>Burr (mm)</th>
<th>Diameter (cm)</th>
<th>Minimum Recommended Guide Catheter Internal Diameter (cm)</th>
<th>Recommended Guide Catheter (French)*,†</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.25</td>
<td>0.13</td>
<td>0.15(^1)</td>
<td>6.0</td>
</tr>
<tr>
<td>1.50</td>
<td>0.15</td>
<td>0.16</td>
<td>6.0</td>
</tr>
<tr>
<td>1.75</td>
<td>0.18</td>
<td>0.19</td>
<td>7.0</td>
</tr>
<tr>
<td>2.00</td>
<td>0.20</td>
<td>0.21</td>
<td>8.0</td>
</tr>
<tr>
<td>2.15</td>
<td>0.22</td>
<td>0.23</td>
<td>8.0</td>
</tr>
<tr>
<td>2.25</td>
<td>0.23</td>
<td>0.24</td>
<td>9.0</td>
</tr>
<tr>
<td>2.38</td>
<td>0.24</td>
<td>0.25</td>
<td>9.0</td>
</tr>
<tr>
<td>2.50</td>
<td>0.25</td>
<td>0.26</td>
<td>10.0</td>
</tr>
</tbody>
</table>

Select a guide catheter with an inner diameter of at least 0.1 mm (0.004 in) greater than the largest burr being used in the procedure.

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* Inside guide catheter diameter and french size may differ among manufacturers. Ensure guide is compatible with the largest burr intended to be used.
† Sheath size is the determinant of the minimum ID on the 1.25 mm burr.
\(^0.004\) (0.10 mm) to burr diameter to calculate minimum ID needed

**GUIDE CATHETER SELECTION**

Most procedures can be performed with a 6 FR GC which can accommodate burrs up to 1.5 mm. A single curve that gives strong support is recommended.

- Right: FRA; Multipurpose Left: Q Curve®, CLS™

**PROCEDURAL RECOMMENDATIONS**

- **ABLATION SPEED**: Between 135,000 and 180,000 RPM to reduce risk of complications
- **RUN TIME**: Short duration: individual runs should be no longer than 30 secs
- **DECELERATION**: should be < 5,000 RPM

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\(^1\) Barbato E et al. European expert consensus on rotational atherectomy. Eurointervention, 2015; 11:30-36