Integra®

LimiTorr™ Volume Limiting
CSF Drainage System

Limit uncertainty by reducing the risk of overdrainage

Automatic flow shut off at volume limit
Concerned with CSF overdrainage?
Lumbar CSF drainage needs special attention and careful monitoring

- When continuous lumbar drainage is used, frequent monitoring and assessment is recommended to prevent sentinel events caused by CSF overdrainage.²

According to AANN Guidelines²:

- Patient positioning and leveling is crucial to prevent complications from lumbar drainage
  - The head of the bed, height of drainage chamber, and changes in patient positioning must be monitored closely to prevent sudden overdrainage
  - While making changes to the patient’s positioning, the lumbar drainage device should be clamped so that overdrainage does not occur
Choose LimiTorr

LimiTorr is the only volume-limiting lumbar drainage solution, providing clinicians ultimate confidence for high-risk patient care

- Innovative, volume-limiting technology designed for patient safety
  - LimiTorr is the only solution designed to prevent the risk of sentinel events caused by CSF overdrainage
  - Two burette configurations: automatic flow shut off when CSF volume reaches 20mL or 30mL

- LimiTorr helps mitigate concerns for overdrainage
  - Mobilize patients in the unit without continuous nursing observation
  - Provide clinicians an added level of security in a complex and challenging clinical environment

- LimiTorr may provide an opportunity for earlier patient transfer to a lower acuity unit
  - A study showed that an ICU stay is three times more expensive than the floor
    - $2,278 ICU/day vs. $759 floor/day
    - Typical ICU stay lasts 2-3 days, potential savings $4,557
Complete CSF Drainage Solutions

**Drainage Systems**

- **Accudrain® External CSF Drainage System**
  - All in one package, fully disposable
  - Squeeze-Lok™ tabs designed for easy and secure height adjustment
  - Pressure tubing for accurate reading
  - MR safe

- **LimiTorr Volume Limiting CSF Drainage System**
  - The only volume-limiting CSF drainage system
  - Automatic flow shut off at volume limit
  - Two buret configurations: 20mL and 30 mL
  - Large drape, 31” x 51”
  - Retractable, safety syringe
  - Retractable, safety blade
  - Multiple configurations

**Cranial Access Kits**

- **INSHITH Cranial Access Kit (HITH)**

**Lumbar Catheters**

- Various configurations: open, closed tips

**Ventricular Catheters**

- Various configurations
  - Trauma: inner diameter 1.9mm
  - Regular: inner diameter 1.6mm
  - Small: inner diameter 1.3mm

**Lumbar Drainage Combo Kits**

- Various configurations

**Ordering Information**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INS9020</td>
<td>LimiTorr Volume Limiting CSF Drainage System, 20mL</td>
</tr>
<tr>
<td>INS9030</td>
<td>LimiTorr Volume Limiting CSF Drainage System, 30mL</td>
</tr>
<tr>
<td>INS8400</td>
<td>AccuDrain without the Anti-Reflux valve</td>
</tr>
<tr>
<td>INS8401</td>
<td>AccuDrain with Anti-Reflux Valve</td>
</tr>
<tr>
<td>INS5010</td>
<td>Hermetic™ Lumbar Catheter, Closed Tip</td>
</tr>
<tr>
<td>INS8420</td>
<td>TraumaCath™, 35cm</td>
</tr>
<tr>
<td>31127</td>
<td>Lumbar Drainage Combo Kit</td>
</tr>
</tbody>
</table>

Please refer to package insert for complete instructions, indications for use, contraindication, warnings and precautions.

**References:**


**Manufacturer:**

Integra LifeSciences (Ireland) Limited
IDA Business and Technology Park
Sraugh, Tullamore, County Offaly • Ireland

Availability of these products might vary from a given country or region to another, as a result of specific local regulatory approval or clearance requirements for sale in such country or region.

• Always refer to the appropriate instructions for use for complete clinical instructions.

• Non contractual document. The manufacturer reserves the right, without prior notice, to modify the products in order to improve their quality.

• Warning: Applicable laws restrict these products to sale by or on the order of a physician.

Camino, Licox, AccuDrain, Integra and the Integra logo are registered trademarks of Integra LifeSciences Corporation or its subsidiaries in the United States and/or other countries.

©2013 Integra LifeSciences Corporation. All rights reserved. Printed in USA 200 0237223-1