Stereotactic ICH Underwater Blood Aspiration (SCUBA)
technique for minimally invasive endoscopic intracerebral hemorrhage evacuation

88.2% clot evacuation

N = 47 | SD = 20.8

Current Review of ICH Studies: Odds Ratio

<table>
<thead>
<tr>
<th>Comparison</th>
<th>Functional Independence</th>
<th>Survival at Follow-up</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIS vs. Non-MIS</td>
<td>2.2x</td>
<td>1.7x</td>
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<tr>
<td>MIS vs. Craniotomy</td>
<td>2.3x</td>
<td>1.8x</td>
</tr>
<tr>
<td>Endoscopic MIS vs. Other Treatments</td>
<td>2.5x</td>
<td>2.7x</td>
</tr>
<tr>
<td>Stereotactic Thrombolyss vs. Other Treatment</td>
<td>2.1x</td>
<td>No benefit</td>
</tr>
</tbody>
</table>


Artemis Neuro Evacuation Device

Single Touch Control
Powerful and controlled aspiration

Minimally Invasive Cranial Access
14 mm burr hole with 19 F sheath designed to minimize iatrogenic injury

Controlled Aspiration
Maximum vacuum power -29 inHg*

Neuroendoscope Compatible
Three sizes to work with neuroendoscope with working channels 1.6–2.9 mm

Atraumatic Evacuation
Recessed bident at distal tip maintains cannula patency and aspiration

Case Examples

Christopher Kellner, MD
Mount Sinai Health, NY

Dimitri Sigounas, MD
George Washington University Medical Center, Washington, DC

Paul Saphier, MD
Overlook Medical Center, NJ

Ziad Hage, MD
Novant Health, NC

Christopher Nickele, MD
Methodist University Hospital, TN

Pinakin R. Jethwa, MD
Atlantic NeuroSurgical Specialists, NJ

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