Limit Uncertainty

The CERTAS™ Plus Programmable Valve portfolio provides a wide array of options to meet surgeon needs in hydrocephalus management. Other countries. CERTAS is a trademark of Integra LifeSciences Corporation or its subsidiaries in the United States and/or other countries. Strata II is a registered trademark of Medtronic, Inc.

*Clinician should confirm valve setting after an MRI procedure.

For more information or to place an order, please contact:

Codman CERTAS Plus

USA 800-654-2873
International +1 609-750-4259 fax

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.

Consult product labels and inserts for any indication, contraindications, hazards, warnings, precautions, and instructions for use.

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

Dowling Magnets® DO-S75 Magnet Mania Kit; Magformers® Classic (30 pieces) Set Magnetic Building Blocks, Educational Magnetic Tiles Kit, Magnetic Construction STEM Toy Set; Logitech® Slim Combo

Products tested in study:


T = Tesla.

iPhone® 5s; Apple EarPods® with 3.5 mm Headphone Plug.

Card ID Holders Wrist Strap for Apple® iPhone® 6/6s 4.7-inch-Black; Uigos Digital Kitchen Timer II 2.0; Magz® 132 Piece Magnetic Building Set containing 84 Short Magnetic Rods and 48 Steel Balls; Apple® iPad Pro® 10.5-inch; Apple®

In Hydrocephalus Management

Break Through the Uncertainty

CERTAS™ Plus Programmable Valve designed to minimize unintended setting changes from magnetic interference, protecting the valve from unintended setting changes due to everyday magnets' and 3 T MRI machines.

Unintended setting changes in CSF valves can lead to adverse effects.

Known Risk

MRI scanners create powerful magnetic fields. This can lead to unintended setting changes to valves that are not resistant to magnetic interference. CERTAS™ Plus Programmable Valves resist the magnetic forces of 3 T MRI machines.®

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United States, Canada, Asia, Pacific, Latin America
Latin America (c) +1 800-654-2873 for
Précédent (c) +1 800-654-2873 for

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MRI scanners create powerful magnetic fields. This can lead to unintended setting changes to valves that are not resistant to magnetic interference. CERTAS™ Plus Programmable Valves resist the magnetic forces of 3 T MRI machines.®
Outside the point of care, magnets are everywhere. Valves are subject to unintended setting changes due to the strength, proximity, and hidden nature of everyday magnets.

Limit uncertainty from the risks of magnetic interference due to everyday magnets and MRI scanners.

### Benchtop studies are not necessarily indicative of clinical performance.

‡Strata II Instructions for Use recommend products with magnets be kept at a minimum distance of 2 inches away from the site where the valve was implanted.

§Testing included 6 samples of each valve, tested 162 times per product at a distance of 4.3 mm on average.

¶Magnetic resistance is defined as the valve’s resistance to a performance setting change.

**In a bench study, CODMAN® CERTAS™ Plus Programmable Valves resisted interference from common household magnets at close proximity (<5 mm) better than Strata® II Programmable Valves.**

<table>
<thead>
<tr>
<th>Everyday magnet (proximity &lt;5 mm)</th>
<th>Magnetic resistance(^\text{a}): CERTAS Plus</th>
<th>Magnetic resistance(^\text{a}): Strata II</th>
<th>Number of Strata II valve setting changes/total opportunities(^\text{b})</th>
<th>Valve setting change/opportunities (%)</th>
<th>12.46% of all Strata II valves tested were changed by 2 performance settings</th>
<th>4.50% of all Strata II valves tested were changed by 3 performance settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnetic wands</td>
<td>YES</td>
<td>NO</td>
<td>130/162</td>
<td>80%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magformers toy</td>
<td>YES</td>
<td>NO</td>
<td>95/162</td>
<td>59%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magnetic tablet cases</td>
<td>YES</td>
<td>NO</td>
<td>80/162</td>
<td>49%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magnetic purse clasps</td>
<td>YES</td>
<td>NO</td>
<td>77/162</td>
<td>48%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone cases</td>
<td>YES</td>
<td>NO</td>
<td>77/162</td>
<td>48%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kitchen timers</td>
<td>YES</td>
<td>NO</td>
<td>19/162</td>
<td>12%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magz toy</td>
<td>YES</td>
<td>NO</td>
<td>18/162</td>
<td>11%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tablets</td>
<td>YES</td>
<td>NO</td>
<td>2/162</td>
<td>1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smartphones</td>
<td>YES</td>
<td>YES</td>
<td>0/162</td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Earphones</td>
<td>YES</td>
<td>YES</td>
<td>0/162</td>
<td>0%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


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\(\text{a}\)Strata II Instructions for Use recommend products with magnets be kept at a minimum distance of 2 inches away from the site where the valve was implanted.

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**UNKNOWN RISK**

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