Purpose:
To look inside your body without x-rays or surgery. It can show whether you have something wrong with your brain or nervous system, or if you have any muscle, bone, or organ problems.

Test:
The MRI is a large magnet, tube-shaped machine that goes all the way around you. The magnet will not hurt or touch you. The MRI is shaped like a big circle with a tunnel through the middle. You will lie on the table which moves into the tunnel. Your body may be inside the tunnel. Once inside the tunnel, pictures will be taken. You will hear noises, but it will not hurt. The test lasts about 30-90 minutes. Children need to lie completely still for these tests to get a good picture. Children under 10 years old may need medicine to make them sleep or lie still. MUSC has the ability to perform a 1.5 Tesla or 3.0 Tesla MRI scan. Tesla is the unit of measurement to describe the strength of the magnet. These detailed tests help show any abnormal areas that may be cause the problem or seizures.

Important Points:
* Please arrive 30 minutes before your appointment. (1 hour before if your child requires sedation.)
* Give medicines as usual.
* Remove jewelry, hairpins, glasses, belts, mascara, clothing with zippers, hearing aids.
* If your child has a **Vagus Nerve Stimulator (VNS)**, an MRI can be done, but ONLY a 1.5 Tesla Scan. Please make sure you tell the Radiology Staff your child has a VNS device.
* Please contact the Radiology Department if you need to reschedule your test. (please reschedule if your child is sick with fever, cold, or congestion.) **843-792-9729**
### Guidelines for Children Needing Sedation For Radiology Procedures

<table>
<thead>
<tr>
<th>Age</th>
<th>Clear liquids</th>
<th>Formula/Breast Milk</th>
<th>Solids</th>
<th>Upper Gastric Tube Feeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 6 months</td>
<td>Stop 2 hours before arrival</td>
<td>Stop 6 hours before arrival</td>
<td>Stop 8 hours before arrival</td>
<td>Stop 6 hours before arrival</td>
</tr>
<tr>
<td>Older than 6 months</td>
<td>Stop 2 hours before arrival (up to 6 oz)</td>
<td>Stop 6 hours before arrival</td>
<td>Stop 8 hours before arrival</td>
<td>Stop 6 hours before arrival</td>
</tr>
<tr>
<td>Teens</td>
<td>Stop 2 hours before arrival (up to 8 oz)</td>
<td>Stop 6 hours before arrival</td>
<td>No solids after Midnight</td>
<td>Stop 6 hours before arrival</td>
</tr>
</tbody>
</table>

*Stop Transpyloric feeds 2 hrs before arrival. * Take medication with one sip of water.* No colored or caffeinated drinks- only clear * All patients with delayed gastric emptying should be NPO at least 8 hours. Ex: Diabetes, Obesity, Pregnancy, Gastric Bypass, Trauma, or Chronic Renal Failure.

**Questions for an RN please call 843-792-4392.**