



Participating in Research

What to Expect When You Participate in Brain Imaging Research

**Center for Autism Spectrum Disorders
Children's National Health System**

Arriving at Georgetown Medical Center



On the day of your MRI scan, you and your family will drive up to Entrance 2 at Georgetown Medical Center.

Parking



The researchers will be waiting for your family outside the parking garage.

Going to the MRI Building



We will walk over to the Basic Science building together and go down the elevator to the Center for Functional and Molecular Imaging.

Waiting Area



Once we arrive at the center, you may fill out some forms in the waiting area as we get ready for the scanning, or you may wait for a family member to fill out the forms.

Getting Weighed



**Before you practice the computer game we will record your weight
for the MRI scanner**

Practicing Staying Still



If you want to, you can try out our pretend MRI scanner to practice staying still like a statue before going into the real MRI scanner.

MRI Control Room



This is the control room. You will learn how to play the computer game in this room. Then when you are in the MRI scanner, we will use the computers in this room to take pictures of your brain, talk to you, and show you movies or TV.

We will be watching you the whole time on the giant TV screen. Your parents can also sit in this room to watch you in the scanner.

Getting into the Scanner



Many kids have been in this MRI scanner for research and have enjoyed the experience.

When it's time for you to start, we will ask you to take off your shoes and any watches, bracelets or other metal on your body before going into the scanner room.

Getting into the Scanner



You will lie down on the MRI bed and wear special headphones. The headphones help make the MRI's funny noises quieter when it is taking pictures of your brain. When the MRI is not taking pictures of your brain, you can hear us talking to you through the headphones.

Getting into the Scanner



Next a researcher will put something over your head that looks like a football helmet and will let us take the pictures of your brain.

We can also give you blankets to make you feel comfortable.

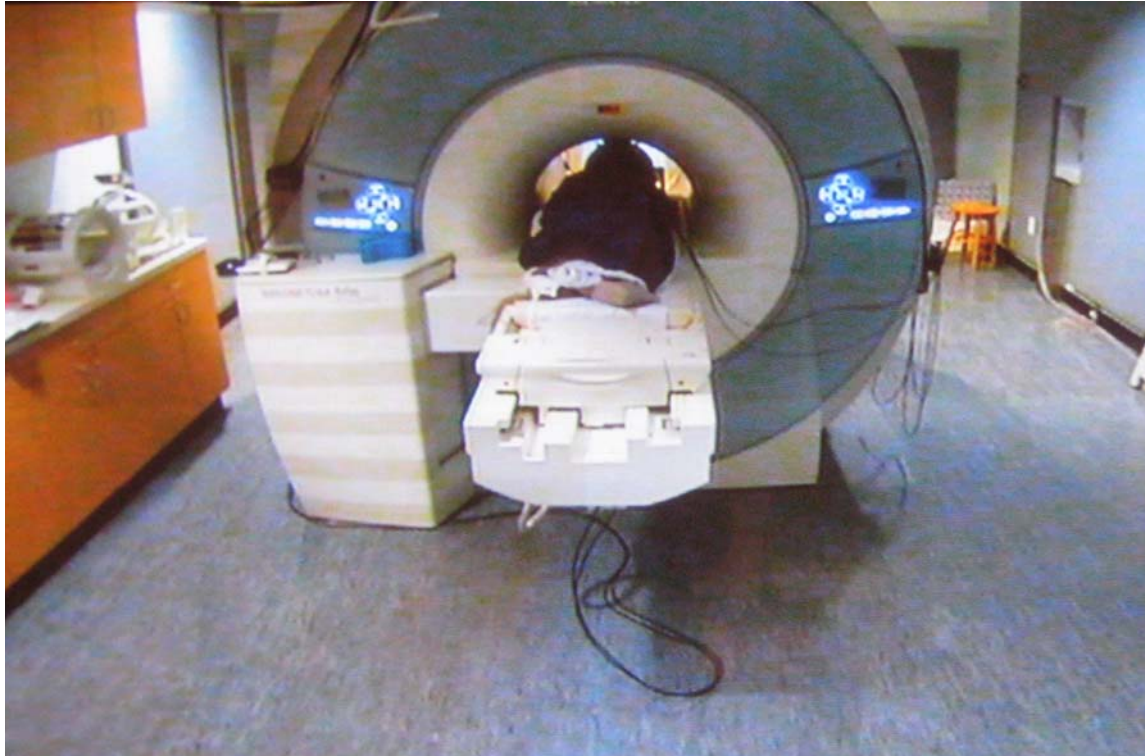
Getting into the Scanner



Once you are all set, the researcher will press a button to raise up the bed and slide it into the MRI scanner so we can start scanning.

Remember to stay really still!

While in the Scanner



This is a picture of what you will look like when you're inside the scanner. A lot of kids think it looks like a giant donut!

During the scan, you will get to play the games that we showed you and either watch a TV show or part of a movie.

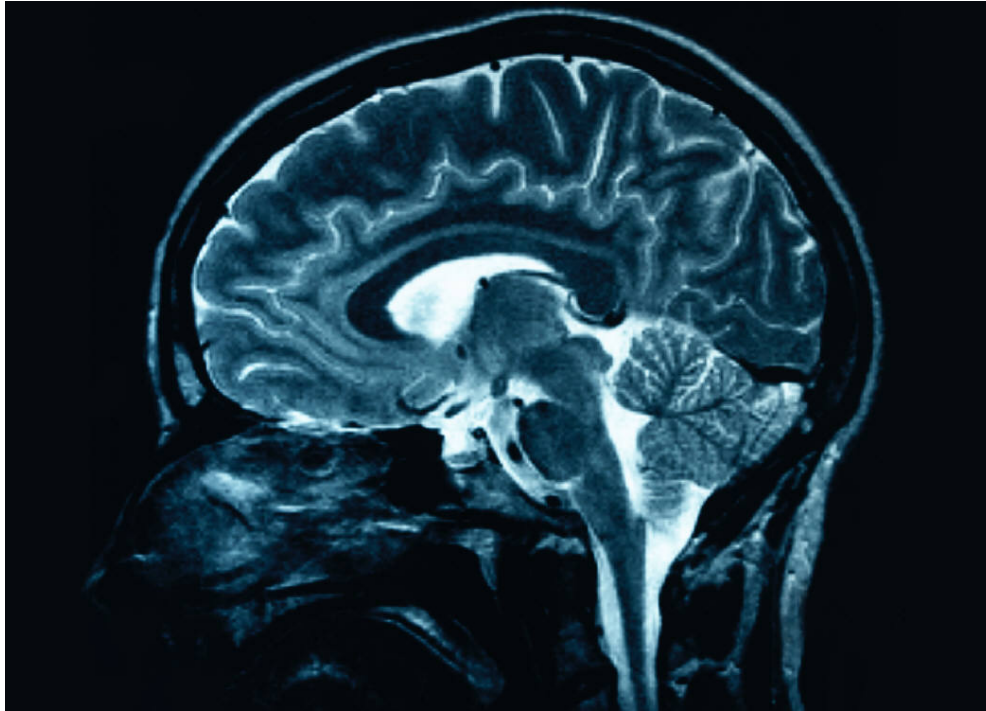
Break Time!



Halfway through the scan, we will take you out of the MRI scanner for a quick, 5 minute break. During your break you may get up and walk around, have a snack and use the restroom.

When your break is over we will help you get back into the MRI scanner so you can complete the remaining games and finish watching TV or a movie.

Thank You!



After the scan you will get to take home a picture of your own brain!

Thank you so much for helping us out with our research!

Questions?

If you have any questions before the scan, feel free to email us or call us!

Email: Jsokolof@childrensnational.org or
Dabrams@childrensnational.org

Office phone: 301-765-5425