

Now, having an MRI is like going to the movies thanks to the CinemaVision headset!



Now, children having an MRI at Kapi'olani Medical Center for Women & Children will find it a fun, fast, and enjoyable experience with the CinemaVision Virtual Reality MRI headset. The headset keeps children entertained and greatly reduces the knocking sound made by the MRI machine.

Children can bring in their favorite DVD, select a movie from our library, or watch TV. They can even bring in their iPod® and listen to music.

CinemaVision nearly eliminates sedation in children over age five

Hospitals using the CinemaVision system typically report a drop in the age of children requiring sedation from eight years to five. What's more, the MRI headset keeps most children occupied with their favorite cartoons or movies so they have no problem lying still for the scan without sedation.

CinemaVision makes things easier for children and their families

When a child requires sedation for an MRI it can become an all day event. The family spends about half a day at the hospital because of the additional time needed for anesthesia and recovery, and afterwards most children will sleep for the rest of the day. Plus, because of the anesthesia the child has to fast and cannot eat anything the night before the exam.

With the CinemaVision headset, it takes only the time for the MRI itself—about an hour. The child is less likely to fidget, reducing the need for re-scans. And there's no fasting required because there's no anesthesia.



(over)

It's like watching TV at home

The CinemaVision Virtual Reality MRI headset gives children the feeling of being in a much larger space, similar to watching TV in their living room at home. It's equivalent to viewing a 62-inch screen from 5½ feet away. This added sense of space helps children relax and remain still, resulting in better quality images and reducing the need for re-scans.

There's immediate access to our technologist at any time during scan

This sophisticated system allows the child to see and speak to the technologist at any time during the scan by simply pressing the call button.



Can my child have an MRI with the headset?

Please talk to your child's physician about whether the CinemaVision headset can be used. When your doctor orders an MRI scan, he or she will consider your child's age, condition, and ability to tolerate the scan. Typically, most children over age 5 will do fine with the headset and will not require sedation.

It's like watching TV at home!

**KAPI'OLANI
MEDICAL CENTER
FOR WOMEN & CHILDREN**
An Affiliate of Hawai'i Pacific Health



A Look Inside: Magnetic Resonance Imaging (MRI)

A different way of seeing inside the body.

Your child's doctor has recommended that your son or daughter have a Magnetic Resonance Imaging (MRI) scan to help make a diagnosis. MRI allows us to see inside your child's body without using X-rays. Instead, it uses a magnetic field and radio waves to produce very precise, two or three-dimensional images, making early detection and treatment of many disorders possible.

Will the scan hurt?

Your child will not feel a thing. He or she will simply lay still during the scan.

Is it safe?

MRI technology has been available for over 15 years and is extremely safe. Unlike X-rays, MRI does not use radiation.

What happens during the scan?

It's really very simple. Your child will be positioned on the scanning bed, and an instrument called an image coil will be placed over the area to be examined.

The bed will then move into the scanning chamber.

Your child will be asked to lay very still during the scan. If your son or daughter is younger than 9 years old, your child's pediatrician may request sedation. You can take comfort in knowing that Kapi'olani has a sedation team specially trained to safely sedate pediatric patients, including infants.

Your doctor may also request that your child receive an injection of a contrast agent to provide additional information about the area being scanned. The injection feels like any other shot, and is very safe. During the scan, your son or daughter may hear humming and thumping from the scanner. This is normal.

What do I need to do to prepare my child?

- Before your child's scheduled appointment, please call the Admissions Department at 983-8260 to register. If you don't have an opportunity to register by phone, you can do so on the day of the appointment. Please arrive about 30 minutes before your child's scheduled time and register at the Admissions Department on the first floor.
- Please go to the Imaging Services Department for the MRI scan. You'll need to complete some paperwork before the visit, so plan to arrive 15 minutes prior to your child's appointment.
- Please dress your child in warm, comfortable clothing (sweatshirt and pants work well).
- Your child cannot wear anything metallic during the exam, so it's best to leave watches, jewelry, or anything else containing metal at home.
- If your child's doctor orders sedation, please follow these guidelines:
 - 4 hours prior to your child's appointment: Drink apple juice or water only. No food.
 - 2 hours prior to your child's appointment: No food or drink. Your child's doctor will provide further instructions, if necessary.

