

What is a Nuclear MIBG Scan?

Your doctor has ordered a test called a Nuclear MIBG Scan. MIBG is short for I-123-Metaiodobenzylguanidine Scan. This type of scan is a method of examining the entire body for the presence of pheochromocytoma and neuroblastoma tumors with an injection of a radioactive material.

This test is done in two parts. On day 1 your child will receive an IV injection. On day 2 we will do the whole body scan.

How will I prepare my child for the test at home?

- Your child's doctor will prescribe SSKI drops (Saturated Solution of Potassium Iodide) to protect your child's thyroid from the radioactive portion of the medicine we inject.
- A nurse from Nuclear Medicine will call you prior to the exam date to confirm that your child has not been on any medications or cough medicines which may interfere with the scan

What happens of the day of the test?

Day 1

- Upon arrival at our unit, we will confirm that your child has taken their SSKI drops. If your child will be receiving anesthesia for the scan on Day 2, we will send you to the Patient Readiness Center on the 4th floor where a nurse will assess your child before they receive the injection.
- Your child will have an IV placed for the injection. If your child has a Broviac or accessed port we can use that for the injection.
- One parent will be allowed to accompany the child during the injection.

- Parents who are pregnant or think they are pregnant will not be allowed in the room during the injection.
- Parents of children **who will** be receiving anesthesia for the scan on Day 2 will be informed that their child may need a catheter to drain urine during the scan. The catheter will be placed under anesthesia if the child's bladder is full.
- Parents of children who **will not** be receiving anesthesia for the scan on the second day, will receive the scan time for the MIBG scan on the following day.
- Girls: A pregnancy test is required for all girls from 10-17 years. The only exception to not having this test is if the patient does not have a uterus or ovaries. Girls 18 or older can sign a waiver if they choose not to have the test.

Day 2

- Children who do not receive anesthesia can eat and drink normally before the test.
- Children who receive anesthesia will follow the instructions they received from the nurses in the Patient Readiness Center on Day 1. The instructions specify when your child needs to stop eating and drinking prior to the scan on Day 2.
- One parent will be allowed to accompany the child during the scan (if the child is not receiving anesthesia).
- During the scan the child will lie on the table under the camera. Pictures will be taken from head to toe. The scan can take up to 2 hours and your child must be able to lie still during the exam.
- Your child can watch one of our DVDs or they can bring their favorite DVD from home, watch television, or listen to their iPod during the scan.
- Our Nuclear physicians will review the images and determine if extra pictures are needed before you leave.

- After the test is complete, your child can choose a toy from the treasure chest.

How will I care for my child after the test?

- Continue to take the SSKI drops for 3 additional days.
- If your child received anesthesia and you were informed by the recovery room staff that your child had a catheter, contact your child's doctor and ask if your child needs to receive antibiotics.
- Please make arrangements with your child's doctor to get the results of your child's test.

I have more questions about the test. Who can I call?

Pediatric Radiology Nurse: (734) 936- 7907

Child Life Specialist: (734) 232- 6744

We are available Monday-Friday between 8am-4pm

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