

MK Small intestines magnetic resonance imaging procedure

These instructions are intended for printing. The instructions contain section to be filled in.

How to prepare for the exam?

- Stop taking Iron tablets 5 days before the scan.
- You can eat and drink normally on the day before the scan.
- **On the day of the examination** you must fast from food and drink for 4 hours before the examination. You may take any prescribed medications with a small sip of water (except Iron tablets).
- Jewelry and all body piercings must be removed and it is best to leave them at home.

How is the study carried out?

In the hour before the examination you will be asked to drink Mannitol liquid (1,2 liter) and after that your small intestines will be scanned in the MRI machine. Scanning will take approximately 30 minutes.

During the scan you will be given an intravenous injection of a bowel-relaxant medicine. Following that a contrast agent will be injected through the same intravenous cannula. The contrast agent that does not contain Iodine and it will be eliminated from your body through the urine.

The scan is done in a well-lit and air-conditioned MRI scanner, which is open at both ends. During the MRI scan, you will have an alarm button and a two-way intercom to communicate with the staff. In order to have a successful scan you must keep absolutely still. During the scan you will be lying in a prone position. The examination position is designed to be as comfortable as possible.

The MRI device can be quite loud during scanning; therefore you will have headphones or earplugs during the scan. Breathing instructions will be given through the headphones during the scan. Breath-hold duration is for 10 – 20 seconds at a time. It is possible to listen to the radio during the scan. You can bring your own CD.

After the Examination

Be prepared that the mannitol liquid will eliminate from your bowel 30-60 minutes after the scan.

The study does not require post-monitoring in hospital. The referring unit (the unit from which the scan was requested) will inform you of the results of the procedure.

Other considerations

The entire study, including the preparation, takes approximately 2 hours, of which the scanning time is approximately 30 minutes. The MRI unit also scans emergency patients, which can lead to changes in the schedule. Please allow at least 3 hours for your procedure.

The MRI study has no known side effects. However, certain things require attention when planning the scan. Please inform the MRI unit if you have a pacemaker, inner ear prosthesis, medication pump, surgical clips, metallic shards or fragments in your body.

Contraceptive coils and sterilization clips are generally not an obstacle to the MRI examination. Glucose measuring sensors must be removed before the scan. Please mention to your nurse if you are wearing any medication patches.

Please fill in the enclosed information form and bring it with you to the scan.

MRI Procedure Prerequisite Form

Name: _____ ID Number/DOB: _____

Height (cm): _____ Weight (kg): _____

Yes **No**

Have you had any surgical operations?

If yes, please specify _____

Do you have any of the following in your body?

Yes **No**

Cardiac pacemaker or cables

Artificial heart valves

Nerve stimulator and/or associated cables

Middle ear prosthesis or inner ear implants

Hearing aids

Shunts

Stents/coils/aneurysm clips

Metal fragments (e.g. from welding, fragmentation weapons)

Infusion port and/or medication pumps

Artificial joints / orthopaedic screws

Dental prostheses

Tattoos / body piercings

Do you have any allergies to contrast or anaesthetics?

Do you have reduced kidney function?

Are you pregnant?

Have you been sterilized?
