

This instruction is intended for our patients who are in a care relationship

The Wellbeing Services County of South West Finland

Turku University Hospital

MK Neonatal magnetic resonance imaging procedure (under 3 months) without anaesthesia

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

How to prepare for the exam?

Dress your child in loose-fitting clothing that does not have any metal (clips, fasteners, buttons, zippers). Remove any jewellery from your child. Keep your child awake for 2 – 4 hours before the scan. Your child will be fed and burped just before the scan. When your child has been fed, s/he will be moved to the MRI machine to sleep.

How is the study carried out?

The scan is done in a well-lit and air-conditioned MRI scanner, which is open at both ends. During the scan, the child's parent accompanies the child in the scanning room. The child's escort will have an alarm button and an intercom to communicate with the staff.

A successful scan requires no movement at all during the scan. The child will be positioned as comfortably as possible and will be supported by pillows.

The MRI device can be quite loud during scanning; therefore the child and their escort will have headphones or earplugs during the scan.

During the scan an injection of intravenous MRI contrast agent that does not contain Iodine might be given. Therefore your child will get an intravenous canula in the requesting ward before coming for the MRI scan. The contrast media will be eliminated from the body through the kidneys and urine.

What about after the study?

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

Other considerations

You must not enter the MRI imaging room with objects containing metal or electronic devices. These objects in the imaging room can pose a risk to life. Before entering the imaging room, your pockets must be emptied.

It is essential to follow these instructions for safety reasons. The instructions apply to everyone in the room, including staff and attendants.

There is good ventilation in the MRI imaging room, so you should choose long-sleeved and long-legged clothing. You may also be given hospital clothes at the scanning place.

The study takes approximately 45 to 60 minutes. The MRI unit also scans emergency patients, which can lead to changes in the schedule. Please allow plenty of time 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 and medication patches must be removed before the scan.

Please fill in the enclosed information form and bring it with you to the scan. The prerequisite information form is filled out at each examination and is reviewed with the staff before the imaging.

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

Shunts

Stents/coils/aneurysm clips

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

Infusion port and/or medication pumps

Artificial joints / orthopaedic screws

Hearing aids or dental prostheses

Tattoos / body piercings

Glucose measuring sensors / medication patches

Do you have any allergies to contrast or anaesthetics?

Do you have reduced kidney function?

Are you pregnant?

Have you been sterilized?
