

Intravenous Urography

Intravenous Urography is a specialized X-ray examination to demonstrate the kidneys, ureters, and bladder (urinary system) using an intravenous contrast medium.

What to Expect During the Procedure

- Before the examination, you will be asked to empty your bladder.
- The examination will be done with you lying down on the X-ray couch.
- You will then be given an injection of the contrast medium. When the contrast medium is injected, you may feel a warm sensation in the body. Do not worry, this sensation will disappear within a minute, and the contrast medium will be passed out in your urine in 15 to 30 minutes.
- A compression band will be applied over your abdominal region for about 10 to 20 minutes. The compression band is necessary for better visualization of the kidneys.
- A series of X-rays images will be taken at different time intervals during the examination.
- At the later stage of the procedure, you will be asked to visit the toilet to empty your bladder again before taking the X-ray.

You will be expected to spend approximately 1-2 hours at the imaging centre.

After the Procedure

You may resume normal activity after the procedure. Your doctor will advise you of the results at your next appointment.

What are the Risks

The main risks of the procedure are allergic reactions to the contrast agent and leakage of the contrast outside the vein. These risks are low and we will take all necessary precautions to minimize these risks.

Should you have any queries or require further clarifications, please contact:

National University Hospital

Department of Diagnostic Imaging

Tel: (65) 6772 2263

Fax: (65) 6779 5219

Email: DDI_enquiries@nuhs.edu.sg

Your Intravenous Urography Appointment

National University Hospital



Department of Diagnostic Imaging

Medical Centre, Level 4

Patient Particulars:

Appointment Date/Time:

Estimated Fees:

Note:

- Please do not bring valuables or excess cash with you. Patients and visitors are responsible for your personal belongings.
- No medical certificate will be issued for this appointment. Time chit will be given upon request.

Please arrive at least 15 mins before your appointment to register and prepare for the procedure.

We appreciate your understanding should an unforeseen delay occur due to medical exigencies.

Kindly inform us if you are unable to keep to the scheduled appointment.

Preparation Instructions for Patient

1. **BOWEL PREPARATION** for emptying your bowel for clearer images.

- **Refrigerate** suppository.
- Be on a **low fiber diet 2 days before** the appointment.
 - ✓ Foods that may be taken: lean meat, steamed fish, boiled rice and boiled potato.
 - ✗ Foods to **AVOID**: vegetables, brown bread and fruits.
- Take **2 tablets of Dulcolax** with **plenty of water** the **night before your appointment**.

Date: _____ Time: _____

- Insert **suppository** into your rectum at **7am on the day of your appointment**.
 - Time for the medication to take effect differ between individuals.
2. **PLEASE FAST 6 HOURS before** appointment time.

Fast start date/time: _____

**If appointment time is changed, please adjust fasting start time accordingly.*

(Staff to the appropriate boxes)

- For fasting **diabetic patients**, please stop all diabetic medications (including insulin injections) on the day of scan. Diabetic on **Metformin** – to **stop** Metformin on the day of the exam, and to restart after 48 hours.

Stop medication date/time: _____

Restart medication date/time: _____

For asthma / multiple drug allergies / previous minor reaction to injection of contrast media.

Please obtain the following prescription from your referring doctor:

- 30 mg** prednisolone on the night before the scan.

Date: _____ Time: _____

- 30 mg** prednisolone on the morning of the scan.

Date: _____ Time: _____

IMPORTANT REMINDERS

- Please inform your referring doctor if you have asthma, severe drug allergies, renal problems or are taking a diabetic medication called Metformin (Glucophage).
- Please inform us if you are breastfeeding or if there is a possibility you are pregnant.
- Please inform us if you have had a recent abdominal surgery or injury.

Please bring this leaflet on the day of your appointment

National University Hospital

5 Lower Kent Ridge Road, Singapore 119074

OneNUHS Hotline: (65) 6908 2222

OneNUHS General Enquiries: contactus@nuhs.edu.sg

OneNUHS Appointments: appointment@nuhs.edu.sg

www.nuh.com.sg

The information in this brochure is meant for educational purposes and should not be used as a substitute for medical diagnosis or treatment. Please seek your doctor's advice before starting any treatment, or if you have any questions related to your health, physical fitness or medical condition.

© 2024, National University Hospital (Singapore) Pte. Ltd. All rights reserved. No part of this publication may be reproduced or shared without prior permission from National University Hospital (Singapore) Pte. Ltd.

Information is correct at time of printing Jul 2024 and subject to revision without prior notice.