

Intravenous Urography



The Department of Radiology provides a comprehensive range of imaging services, both diagnostic and image-guided interventional procedures to diagnose and treat many medical conditions. Using advanced imaging equipment, our qualified and experienced radiologists and radiographers perform a variety of examinations, from basic X-rays to more complex MRI and CT scans.

What is an intravenous urography examination?

An intravenous urography examination is a specialised X-ray examination of the urinary tract.

Simple X-ray examinations do not generate clear images of the kidneys, the ureters or the urinary bladder, but only shadows of them.

Intravenous urography involves injecting a contrast medium (a liquid to outline the urinary tract) to produce more defined images of the kidneys, ureters and bladder in the X-ray images.



What can I expect?

- You will be required to lie on an X-ray couch.
- An injection of contrast medium will be given, usually through a vein in the arm.
- You will be asked some questions regarding your medical history. This is to minimise the possibility of developing an allergic reaction to the contrast, which may include rashes and swelling of the eyes. These seldom occur.
- The main risks of the injection are allergic reactions to the contrast and leakage of intravenous contrast outside the veins. These risks are low and all precautions are routinely taken to minimise them.
- During and after the injection, some patients may feel a hot flush and experience a metallic taste at the back of their mouth. Such sensations usually subside within minutes.
- Compression will be applied on your abdomen for about 10 to 20 minutes for better visualisation of your kidneys.
- During the examination, several X-rays will be taken at different time intervals. Your radiographer will instruct you to hold your breath for a few seconds.
- At a later stage of the examination, you will be required to empty your bladder.
- The contrast medium will be passed out in your urine.
- The examination usually takes about an hour.

How should I prepare?

You may be given medication before the examination if you have any of the following:

- History of asthma
- History of multiple medication allergies (three medications and above)

Please inform your referring doctor if you have any of the above, so that the appropriate medication can be administered.

The night before the examination

- Pour the Lemon Sweet Purgative contents provided to you into a full glass of plain water and take as directed. This will help to clear your bowels.
- Insert one suppository into your rectum before going to bed.

These will help to clear the stools in your colon which may obscure the kidneys during the examination.

The day of the examination

- Please abstain from food and drinks four hours before your scan.
- All medication can be taken as per normal.

After the examination

- If you are on a diabetic medication called Metformin, please stop taking it for 48 hours after the examination.
- You should contact the Radiology department at 6716 2001, go to a GP, or the Emergency Department (after office hours) if you develop the following symptoms within 48 hours:
 - Itchiness with red spots on the skin
 - Swelling of the eyes or mouth
- You may have food and drinks as per normal.

Important points to note

- Please inform the radiographer if you suspect that you may be pregnant.
- Patients below 21 years old or are mentally unsound must obtain consent from their parents or guardian.
- Please be punctual. Any delay will affect the scheduling of other patients, and your appointment may need to be rescheduled.
- Please inform the Radiology Department at 6716 2001 if you are unable to keep the appointment.
- Consent is required for all examinations requiring intravenous injection of contrast.
- Please bring along all your previous X-ray images and reports.

Appointment

Name:

Age:

Sex:

Examination:

Fee (estimated):

Appointment Date:

Appointment Time:

Referring SOC:

Venue: Radiology Department (Tower B), Ng Teng Fong General Hospital

For more information

Ng Teng Fong General Hospital and Jurong Community Hospital

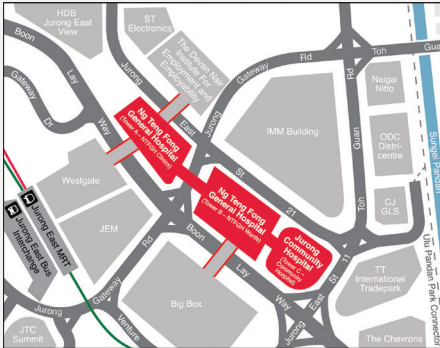
1 Jurong East St 21,
Singapore 609606
General enquiries: 6716 2000 Fax: 6716 5500
www.juronghealth.com.sg

Clinical and appointment line hours (closed on Sundays and public holidays)

For appointments, please call 6716 2222
Monday - Friday 8.00am - 5.30pm,
Saturday 8.00am - 12.30pm

For dental appointments, please call 6716 2233
Monday - Thursday 8.00am - 5.30pm,
Friday 8.00am - 5.00pm

Getting there



By train

Jurong East MRT Station

By bus

From Jurong East Bus Interchange

SBS 51, 52, 66, 78, 79, 97, 97e, 98,
98M, 105, 143, 143M, 160, 183, 197,
333, 334, 335, 506

Along Boon Lay Way

SBS 99, Private bus service 625

Jurong Medical Centre

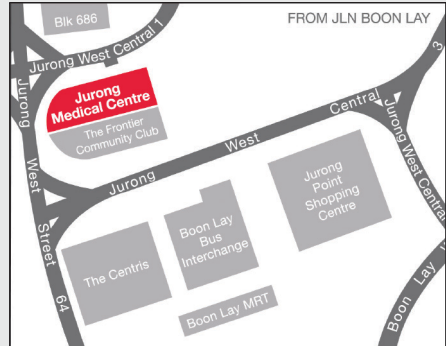
60 Jurong West Central 3,
Singapore 648346
General enquiries: 6716 2000 Fax: 6551 7999
www.jmc.com.sg

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Getting there



By train

Boon Lay MRT Station

By bus

SBS 30, 79, 154, 157, 174, 179, 181,
182, 192, 193, 194, 198, 199, 240, 241,
242, 243 W/G, 246, 249, 251, 252, 254,
255, 257, 405
SMRT 172, 178, 180, 187

Disclaimer:

The information in this brochure is meant for educational purposes and should not be used as 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.