

**SALMANIYA MEDICAL  
COMPLEX**



**RADIOLOGY  
DEPARTMENT**

**Having an  
Intravenous  
Pyelogram (IVP)**

**Your Guide To The  
Procedure**

*Prepared by:*  
*Mahdi Hasan Al. Kalaiti*  
*Chief Radiological Technologist -*  
*SMC*  
**Jan. 2009**

Your doctor has asked us to arrange an IVP examination for you. We hope this leaflet will answer some of the questions that you may have.

**WHAT IS AN INTRAVENOUS  
UROGRAM OR POLYGRAM  
(IVP)?**

This is an examination of the kidneys, ureters and bladder. Contrast medium (dye) is injected into a vein in the arm or back of the hand. The contrast medium goes into the bloodstream and is taken up by the kidneys. The contrast medium will allow the kidneys, ureters and bladder to be seen on the X-ray pictures.

**WHAT HAPPENS WHEN I  
ARRIVE AT THE X-RAY  
DEPT.?**

When you arrive, report to the clerical officer at the reception desk.

They will then inform the radiographers of your arrival.

You will be shown to a cubicle and asked to undress and put on a white gown. From here you will be taken into the X-ray room and the X-ray examination will begin.

**WHAT HAPPENS DURING  
THE EXAMINATION?**

The radiographer takes a film of your abdomen (tummy area), after which a doctor or radiographer will give you an injection. Once the injection is over, multiple pictures are taken, is taken, over an interval 40 minutes. This, however, may vary depending on the reason for the examination.

Near the end of the examination you will be asked to go to the toilet and pass urine. After this one more film is taken.

**WILL IT HURT?**

The injection procedure is like having a blood test.

During the injection of contrast medium (dye), you may experience a warm sensation in your arm and a funny taste in your mouth, this sensation passes quite quickly.

**HOW LONG DOES IT TAKE?**

The examination takes approximately one to two hours.

It may vary, however, depending on your problem.

**ARE THERE ANY AFTER EFFECTS?**

There should be no after effects. Once the examination is over you will be able to get dressed and go home. You may resume your normal dietary needs.

**IS IT IMPORTANT THAT I FOLLOW THE PREPARATION INSTRUCTIONS?**

It is very important that you follow the diet instructions and take the laxatives as described. The kidneys lie behind the bowel

which can obstruct the view of the kidneys. Quality pictures can be obtained if the bowel is empty. If you are a diabetic please inform the clerical officer when making the appointment as the preparation is different.

**IS THE RADIATION DANGEROUS?**

With modern equipment and techniques the radiation dose to you is minimal. The staffs working in this environment are constantly monitored, as the equipment. There are very strict working practices by which we are legally obliged to abide. We can assure you that all safeguards are taken.

**HOW WILL I GET THE RESULTS?**

Although the films taken during the procedure are checked before you leave the department, the Radiologist will need to study them closely before making any comments.

Once the Radiologist has made

his/her report, it will be typed and sent to the Radiology reception office within one week. CPR must be shown when receiving X-rays results.

**LADIES:** If there is any possibility that you may be pregnant please phone the radiology department before attending the X-ray department.

**IF YOU HAVE ANY FURTHER QUESTIONS:**

The staff of the department would like your visit to be as pleasant as possible. If you have any questions, please do not hesitate to ask us at any time before, during or after your examination.

*Comment may be sent to:  
Radiology Department, SMC, PO  
Box 12, MoH - Manama, Bahrain.  
Tel.17284005 - 17285538  
17284084(24 Hours)*

[www.health.gov.bh](http://www.health.gov.bh)

