

## X-RAY OF KIDNEYS AND URINARY TRACT – QUESTIONNAIRE

### MEDICAL HISTORY

*This part will be completed by an assistant*

Operation in the area being examined? When?

Injury/trauma? When?

Pain? Where exactly? Since when?

**To avoid complications, please answer the following questions:**

1. Have you had any of the following examinations before?

- |  |                           |                          |
|--|---------------------------|--------------------------|
| Kidney X-ray (iv urography/pyelogram)            | <input type="radio"/> yes | <input type="radio"/> no |
| computed tomography                              | <input type="radio"/> yes | <input type="radio"/> no |
| Imaging of leg veins (venography)                | <input type="radio"/> yes | <input type="radio"/> no |
| vascular X-ray (angiography/cardiac angiography) | <input type="radio"/> yes | <input type="radio"/> no |

2. Did you experience any side effects after administration of contrast media? If so, which?

- |                                   |                           |                          |
|-----------------------------------|---------------------------|--------------------------|
| Nausea/vomiting/retching          | <input type="radio"/> yes | <input type="radio"/> no |
| Asthma attack/shortness of breath | <input type="radio"/> yes | <input type="radio"/> no |
| Skin rash                         | <input type="radio"/> yes | <input type="radio"/> no |
| Convulsions/unconsciousness       | <input type="radio"/> yes | <input type="radio"/> no |
| Chills                            | <input type="radio"/> yes | <input type="radio"/> no |

3. Have you been diagnosed with any of the following diseases?

- |  |                           |                          |
|--|---------------------------|--------------------------|
| Diabetes   | <input type="radio"/> yes | <input type="radio"/> no |
| Asthma   | <input type="radio"/> yes | <input type="radio"/> no |
| Allergies requiring treatment                      | <input type="radio"/> yes | <input type="radio"/> no |
| Heart disease                                      | <input type="radio"/> yes | <input type="radio"/> no |
| Kidney/adrenal gland disease                       | <input type="radio"/> yes | <input type="radio"/> no |
| Thyroid disease                                    | <input type="radio"/> yes | <input type="radio"/> no |
| M. Kahler (multiple myeloma - bone marrow disease) | <input type="radio"/> yes | <input type="radio"/> no |

In case of diabetes or thyroid disease, which medications are you taking?

4. For women of childbearing age: Could you be pregnant?  yes  no

5. Body weight: \_\_\_\_\_ kg      Height: \_\_\_\_\_ cm

I agree with the performance of the proposed study and administration of the contrast medium through a necessary venous access.  
I confirm that I have read and understood the text.

Date \_\_\_\_\_ Patient's signature or name/signature of accompanying person \_\_\_\_\_ Signature of informant \_\_\_\_\_

## INFORMATION

# X-RAY OF KIDNEYS AND URINARY TRACT

### Dear patient!

You have been referred by your doctor for an x-ray of the kidneys and urinary tract IVP (IVU). This requires intravenous contrast media.

### Here are some details:

#### What is to be considered?

Kidneys appear only very faintly on a radiograph without contrast media, whereas stones and other calcifications of the kidneys are well imaged. The contrast medium accumulates in the urine, so the kidneys, ureters and bladder can be imaged.

#### How is the examination performed?

First, a radiograph is made of the kidney without contrast medium to detect the presence of any stones. Then, a contrast agent is injected in an arm vein, which initially passes through the bloodstream into the kidneys and is then excreted through the urinary tract. To assess this process, several X-rays are taken at intervals of about 5 to 10 minutes. Unlike conventional x-rays, this excretory urography not only examines the appearance of the investigated organs but also the function (excretion). The procedure usually takes about 30 minutes, but may take several hours in rare cases. Depending on the findings, additional images or special imaging may be necessary (tomography, in standing or prone position, or after urinating).

For this study, you will be injected with an iodine contrast medium. Therefore we need the following current laboratory values from you (not older than 1 month): **Creatinine/GFR** and **TSH**. **Diabetics** have to discontinue metformin medications for 24 hours before and after administration of contrast medium

#### Does the contrast medium cause any complications?

As with any injection, pain, bruising and, in rare cases, infection may occur at the injection site. As is well known, heat sensation during the injection or bitter taste in the mouth may occur as a reaction to contrast medium. Intolerance reactions may also occur after administration of contrast medium; often there is a slight drop in blood pressure as well as small complaints such as nausea or pain. Very rarely are there severe side effects such as shortness of breath, sudden drop in blood pressure, cardiac arrhythmias or convulsions. Extrusion of contrast medium at the injection site in the arm during injection of the medium into the vein may occur on rare occasions. This leads to a painful swelling that can sometimes continue for days and make treatment necessary. If you have any pain or swelling of the arm during the administration of contrast medium, please immediately notify staff. Scientific studies show that approximately 97% of patients tolerate contrast medium well. The incidence of serious side effects is given as 0.04%. Should any adverse reactions occur, medical help is immediately available.

**Throughout the examination, you are under the supervision of qualified personnel.**

**We can see and hear you constantly, and the examination can be terminated at any time.**