



## Procedure Information

### Contrast-enhanced Voiding Urosonography

#### Introduction

Contrast-enhanced Voiding Urosonography is the study of the urinary tract with ultrasound contrast medium (SonoVue). The procedure is performed by a radiologist under ultrasound scanning.

#### Indications

Your doctor may recommend a contrast-enhanced Voiding Urosonography if you encounter any abnormal symptoms or have concerns, including:

- Urinary tract infection
- Dysuria
- Hydronephrosis
- Vesicoureteric reflux
- Haematuria

#### Procedures

1. The genital area is sterilized by a radiologist.
2. A catheter is inserted into the urethra and finally reaches the urinary bladder. Then inflate the balloon of the catheter to keep it stable and in position.
3. Contrast medium is introduced into the urinary bladder.
4. You may be asked in different positions to take ultrasound images.
5. You also be asked to urinate under ultrasound scanning.

#### Possible Risks and Complications

1. Complications related to bladder catheterization (0.8%)
  - Injury or damage to the urethra or bladder during catheterization
    - ✧ Difficult urination
    - ✧ Haematuria
    - ✧ Urinary retention
    - ✧ Urinary tract infection
    - ✧ Blood and mucus discharge
    - ✧ Perineal irritation
    - ✧ Abdominal or urethral discomfort
    - ✧ Anxiety/ crying and vomiting
    - ✧ Catheterization of the vagina or an ectopic ureteral orifice
2. Complications related to ultrasound contrast medium (SonoVue)
  - No clinically apparent adverse event attributed to the ultrasound contrast agent

\*\* The risks listed above are in general terms and the possibility of complications is not exhaustive. Please understand that even though all procedures are carried out with utmost professionalism and care, this does not rule out the possibility of complications arising and may require another

operation to deal with the complications.

### **Pre-procedure Preparations**

1. The procedure and possible complications will be explained by the doctor and a consent form must be signed prior to the procedure.
2. Please inform the doctor and nurse all your past medical history, previous surgical operations, current medication and any complication with drug or anaesthesia.
3. Please bring all relevant imaging films and reports for comparison.
4. Please change into a surgical gown after removing all belongings including undergarments, dentures, and jewellery.
5. For children, please bring diapers and clothes for changing.
6. Take medication as prescribed by the doctor as instructed.

### **Post-procedure Instructions**

1. The urine may appear a little pink for a few days after the procedure.
2. You may feel mild discomfort during urination for a few days after the procedure.
3. You can resume normal activities or follow the doctor's instructions.

Should there be any enquiries or concerns, please consult our department (MEI).

Under the professional care of the doctor, you will gradually recover. We wish you all the best during your treatment and recovery.

If you have any questions after reading the entire leaflet, please write them down in the spaces provided in order for the doctor to further follow-up.

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Compiled by Union Hospital Operating Theatre (OT) Governance Committee

The above information is for reference only, please enquire your physician for details  
Our Hospital reserves the RIGHT to amend any information in this leaflet without prior notification