



Understanding DRCG (Direct Radionuclide Cysto-Ureterography) Scan

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DRCG (Direct Radionuclide Cysto-Ureterography) Scan?

Direct Radionuclide Cysto-Ureterography (DRCG) is a special nuclear medicine imaging technique for imaging the urinary bladder and ureters. A tiny quantity of a radioactive substance is inserted into the bladder via a tube, called a catheter. Urinomicroscopy uses the tracer to observe how the urine moves from the kidneys and to evaluate any abnormalities in the urinary tract.

Why is it Performed?

A scan is used to help determine the existence of a reflux (or VUR) condition where urine passes backwards from the bladder to the ureters or the kidneys. It can also be used to assess the function of the urinary tract and follow patients with both suspected and known urinary tract abnormalities. Results are analysed within the context of the patient's symptomatology, clinical history and other tests.

Preparation

- Please provide medical history and medication details before the scan.
- Inform the team if you are pregnant or you are breastfeeding.
- Carry previous imaging and laboratory reports.
- Follow the specific food, water, and medication instructions.
- Follow any additional instructions provided by your doctor or medical team.

Procedure

A catheter is gently inserted into the urinary bladder, into which the required radioactive material is injected. A specially designed gamma camera then takes images while the bladder fills and empties. The images are useful for the medical team to observe how urine flows and to look for any reflux. This procedure can take time depending on the protocol and other factors.

Important Instructions

- Follow all instructions given by the Molecular Diagnostics and Therapy team.
- Remain relaxed and still during imaging.
- Inform staff if you feel uncomfortable.
- Follow preparation and post-scan instructions.
- Drink fluids after the scan if advised and not medically restricted.
- Take medicines only as instructed.

Safety Precautions

DRCG uses a radioactive substance in a controlled manner, administered by an expert. Appropriate safety measures are implemented in keeping with the patient's clinical needs. There is some pain when the catheter is inserted. Inform the medical staff about pregnancy, breastfeeding, taking medication, allergies to anything, or if there is any other medical condition.

When to Seek Medical Attention?

If you experience unusual symptoms or concerns after the procedure, inform your healthcare professional. Ask the medical team about preparation, medicines, catheter-related care, or after-care instructions. DRCG is a specialised imaging procedure, and results should be interpreted by a qualified nuclear medicine specialist. At Molecular Diagnostics and Therapy, our trained team follows appropriate imaging protocols and provides support throughout the procedure for a safe and comfortable experience.