

DEPARTMENT OF NUCLEAR MEDICINE

Plot 15 Road 71
Gulshan
Dhaka -1212
Bangladesh
T: 02222262466
F: +880 2 8836446

Patient ID :- 1000520529
Name :- Md. Habib
Age/Sex :- 36 Yrs / Male
Date :- 02.10.2022
Ref. by :- Prof. Dr. A Z M Zahid Hossain

Hotline : 10666
www.uhibd.com

^{99m}Tc—DTPA Renogram with Diuretic Challenge

TECHNIQUE:

Dynamic sequential SPECT images of the both kidneys were obtained in supine position by dual head Gamma camera immediately after I/V administration of 5.61 mCi dose of Tc ^{99m}-DTPA. 40 mg Lasix was given at 15 minutes and continued for another 16 minutes.

FINDINGS:

Patient is well hydrated and background activity is normal.
The images show normal sized left kidney & small sized right kidney with poor uptake of radiotracer.

The renogram images for the right kidney demonstrates poor uptake of radiotracer without any peak with gradual washout of radiotracer. Left kidney shows normal flow phase, prolong parenchymal phase with normal excretory phase.

The time activity curve shows the right kidney reaching its peak activity at 17.28 minutes, half of which remains 14.75 minutes later. Following the peak activity, the renogram curve shows gradual washout after Lasix.

The left kidney reaches its peak activity at 4.03 minutes, half of which remains .33 minutes later. Following the peak activity, the renogram curve shows normal washout of radiotracer from the left kidney after Lasix.

Total GFR— 72.57ml/min

Right kidney— 8.15ml/min.
Left kidney— 64.41ml/min.

Split renal function (glomerular) in percentage:

Right kidney— 11.13%
Left kidney— 88.77%

IMPRESSION:

- Mild functional obstruction of left kidney having 88.77% of total renal function.
- Poor functioning right kidney with renal parenchymal insufficiency having 11.13% of total renal function.

DR. MOLLA ABDUL WAHAB
MBBS, DNM, FNM (UK)
Sr. Consultant, Nuclear Medicine
United Hospital Limited

Shamrukh Khan
DR. SHAMRUKH KHAN
MBBS, M.Phil (NM)
Jr. Consultant, Nuclear Medicine
United Hospital Limited

Noorjahan Khan
DR. NOORJAHAN KHAN
MBBS, M.Phil (NM)
Clinical Asst., Nuclear Medicine
United Hospital Limited