



## Preparation and Procedure Information: Updated March 2014.

SCAN Type	PREPARATION	PROCEDURE
<b>BONE SCAN</b>	Nil	IV injection radiotracer, 20 minutes for pictures. Patient waits for 1.5 to 3 hours, then scanned for approx 40 minutes Total time: approx. 3-4 hours.
(i) Localised	Between IV injection and scanning patient to drink 4 cups of fluid.	
(ii) Whole Body	Nil Between IV injection and scanning patient to drink 4 cups of fluid.	IV injection radiotracer, 20 minutes for initial blood flow/pool pictures. Patient waits for 1.5 to 3 hours, then is scanned for 1 hour.
(iii) SPECT Study and/or SPECT CT	Nil	<b>Dual head cameras</b> at all sites have made SPECT scanning far easier for all concerned. Performed after the bone, gallium or liver scans, if required, adds an extra 15 minutes to scanning time.
<b>BONE MINERAL DENSITOMETRY (DEXA)</b>	Cease taking Calcium or Protos 24 hours before the study.	This is a very quick and easy test which does not require an injection. Simply wear comfortable clothing without metal buttons, studs or similar.
<b>GALLIUM SCAN</b>	Nil No preparation.	Patient attends Dept. for IV injection. Then returns to Dept. for scanning 48 and 72 hours later. Scanning time ½ to 1½ hours. Further delayed scanning may be required if excess bowel seen. One week post injection images may be possible.
<b>GATED CARDIAC SCAN</b>	Nil	Patient has IV injection to sensitise RBC's, 20 mins later an IV radiotracer, then scanning time 60 minutes.
<b>GASTRIC EMPTYING</b>	Fast from midnight. prior to study. Notify the practice if your patient is an insulin dependent diabetic.	Patient eats meal of scrambled eggs and water labelled with radiotracers. Scanning time 100 minutes
<b>HEPATOBIILIARY SCAN</b>	Fast for 4 hrs. prior to study. Do not fast for an extensive period as this may affect the test adversely.	After IV injection of radiotracer, scanning time is at least 90 minutes with no second part.
<b>LIVER/SPLEEN SCAN</b>	Nil	Patient is scanned 20 minutes after IV injection of radiotracer. Scanning time 45 minutes. A SPECT study may be required (see above).
<b>LUNG VENTILATION/ PERFUSION STUDY (Sometimes called a V/Q scan)</b>	Nil.	Scan is in 2 parts 1. Ventilation - scanned for 20 min immediately after inhalation of Technegas 2. Perfusion - scanned for 15 Min after IV injection of radiotracer
<b>MECKEL'S SCAN</b>	Fast for 3 hrs prior to study	After IV injection of radiotracer, scanning time is 1 hour.
<b>RENAL DMSA</b>	No Prep.	Initially IV injection of radiotracer. Delay of up to 3 hours. Scanning time on return 45 minutes.
<b>RENAL DTPA RENOGRAM</b>	Oral pre-hydration 1 litre extra fluid in the hour before appointment.	After IV injection of radiotracer, scanning time approx. 30 minutes followed by post-void and kidney depth images Total scanning time approx. 60 minutes
<b><u>RENOGRAM + LASIX</u></b>		
<b>RENAL DTPA with CAPTOPRIL</b>	Oral pre-hydration 1 litre of extra fluid. All ACE inhibitors to be ceased for 3 days prior to the study (see " <a href="#">Drugs List: Renal</a> ").	1 hour before test Physician administers Captopril. BHP monitoring every 10 min for 1 hr. After 1 hour renogram performed. IV injection of radiotracer. Scanning time 30 minutes.
<b><u>MYOCARDIAL PERFUSION SCANS-</u> Using Myoview or Sestamibi </b>	Where possible the Pt. should stop Beta blockers for 48 hours and Ca. channel. blockers for 24 hrs (" <a href="#">Drugs List: Cardiac</a> "). Also, a light breakfast only. Suitable clothing to be worn for stress test. <b>Special note: No tea, coffee, chocolate or caffeine containing drinks, such as cola, for 24 hours prior to the Stress test.</b>	<b>ONE DAY-</b> "Resting" images are taken 15-30 minutes post injection of the tracer; scan takes less than 30mins. A stress test is then performed 1-3 hours later culminating in an injection of the tracer at maximal stress. "Stress" images are then acquired for approx. 30-40 mins <b>TWO DAY-</b> As for the ONE DAY protocol except that the patients attends for the REST on one day and the STRESS on another. This may be in either sequence.
<b>PERSANTIN infusion may be used where physical exercise is not possible (Theophylline based drugs to be stopped only).</b>		
<b>THYROID SCAN AND UPTAKE</b>	No preparation. Please notify the practice if you have had a recent CT scan with contrast injection. Cease Thyroxine (Oroxine) 5 days prior; Antithyroid drugs OK.	IV Injection of radiotracer. Wait 20 minutes. Scanning time 10 mins. Total time 30-45 mins

**IMPORTANT: If the Patient may be Pregnant or Breastfeeding they must inform the SNIG staff before Booking!**