

Gall Bladder



## SCINTIGRAPHY HEPATOBIILIARY LIVER / GALL BLADDER SCAN

### Why a Hepatobiliary (HIDA) scan?

Hepatobiliary scans are used to image the gall bladder and visualize the major ducts in the biliary tree. If the gall bladder is not visualized this may indicate cystic duct obstruction and supports the diagnosis of acute cholecystitis. These scans can also show gall bladder filling and emptying as a measure of gall bladder ejection fraction.



### Scan Preparation

**You must be fasting for four hours before the start of the scan.** Having nothing to eat or drink for four hours before the test is important to make it possible to get good images of the gall bladder.

### Scan Procedure

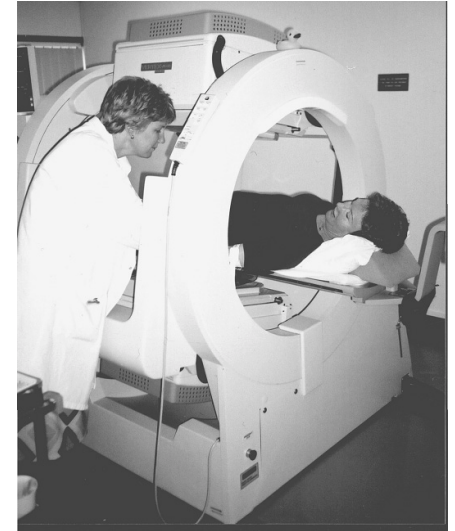
You do not have to undress for this scan, simply lie back on the scanning bed whilst the technologist positions the camera over your upper abdomen / liver area.

The technologist will then administer a small amount of a radiopharmaceutical via an intravenous (IV) injection into an arm vein, similar to a blood test injection. The radiopharmaceutical used is known as  $^{99m}\text{Tc}$ -IDA (Iminodiacetic acid)

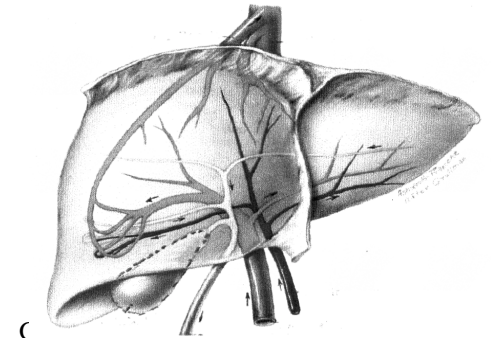
A series of images are recorded straightaway and continue for 60 and sometimes 90 minutes.

To help visualize the emptying of the gall bladder you may be required to consume a snack bar containing a measured amount of fat (i.e. a Mars bar) during the scan. This induces the contraction of the gall bladder.

Allow 1½ to 2 hours for this scan. Occasionally a patient is required to return for a delayed picture after a 3 to 4 hour break.



*Patient under Gamma Camera*



*Common bile duct*

*Anatomy of Liver and Gall Bladder*

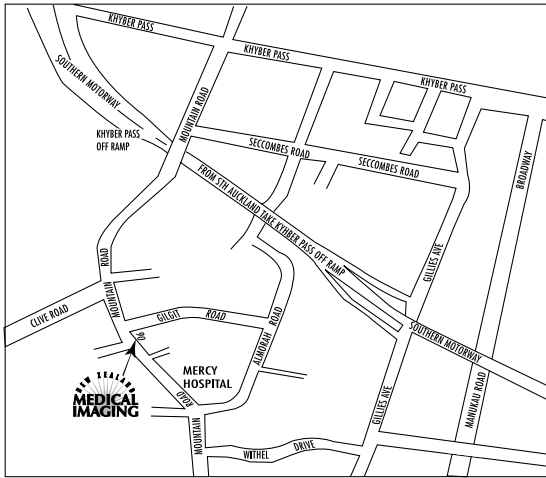
Scan appointment.

## Hepatobiliary IDA Scan

You must be fasting for four hours before the start of this scan.

Date: \_\_\_\_\_

Time: \_\_\_\_\_



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Epsom,  
Auckland

Tel: 09 638 9173

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(462446)

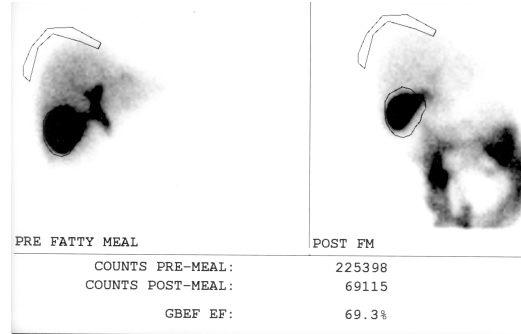
*If you are pregnant, suspect you may be, or are a nursing mother; discuss this with your doctor before undergoing the test.*

## Scan Results

At NZMI the scan is usually reported later that same day and the referring doctor will have the results the following day

## After the scan

There are no restrictions after this scan and no side effects, you are able to drive and proceed as normal.

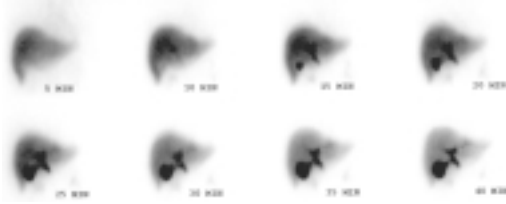


*Estimation of Gall Bladder Ejection Fraction*

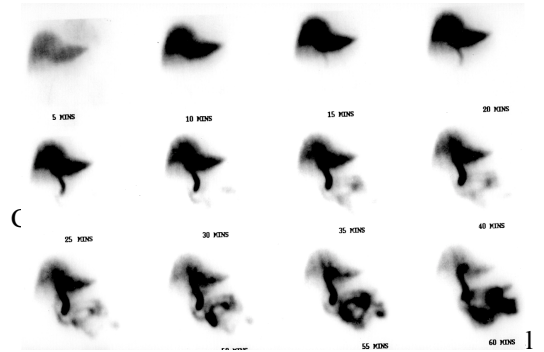
## Other NZMI information brochures available:

- Bone Scanning
- Breast Scanning
- Heart / Myocardial scanning
- Kidney Scanning
- Lymph Node Scanning

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*Hepatobiliary scan showing accumulation of the HIDA radiopharmaceutical in liver and then gall bladder.*



*Hepatobiliary scan showing accumulation of the HIDA radiopharmaceutical in common bile duct and small bowel, but not gall bladder.*