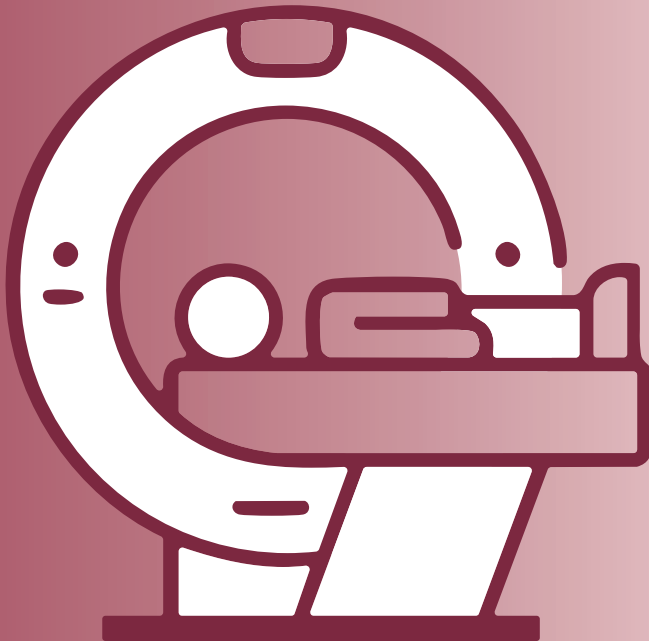




MAA LUNG SHUNT

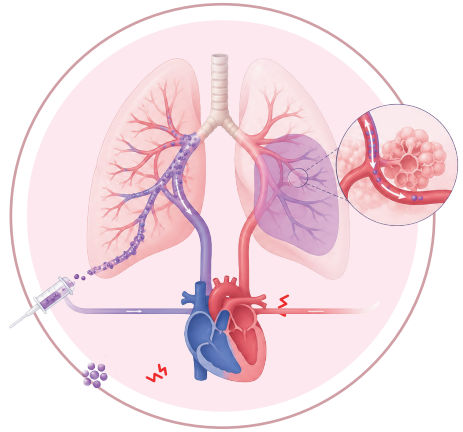
PATIENT EDUCATION



MAA Lung Shunt

What is MAA Lung Shunt?

An MAA lung shunt study **evaluates the hepatopulmonary shunting** and **calculate the lung shunt fraction (LSF)**.



Advantages of A Lung Shunt

This study is essential for **planning Yttrium-90 (Y-90) Selective Internal Radiation Therapy (SIRT)** for liver tumours.



1 Essential for SIRT Planning

Helps clinicians determine whether Y-90 treatment can be performed safely.

Evaluates Lung Shunt Fraction (LSF)

Measures the proportion of radiotracer that bypasses the lungs.



3 Minimizes Pulmonary Irradiation

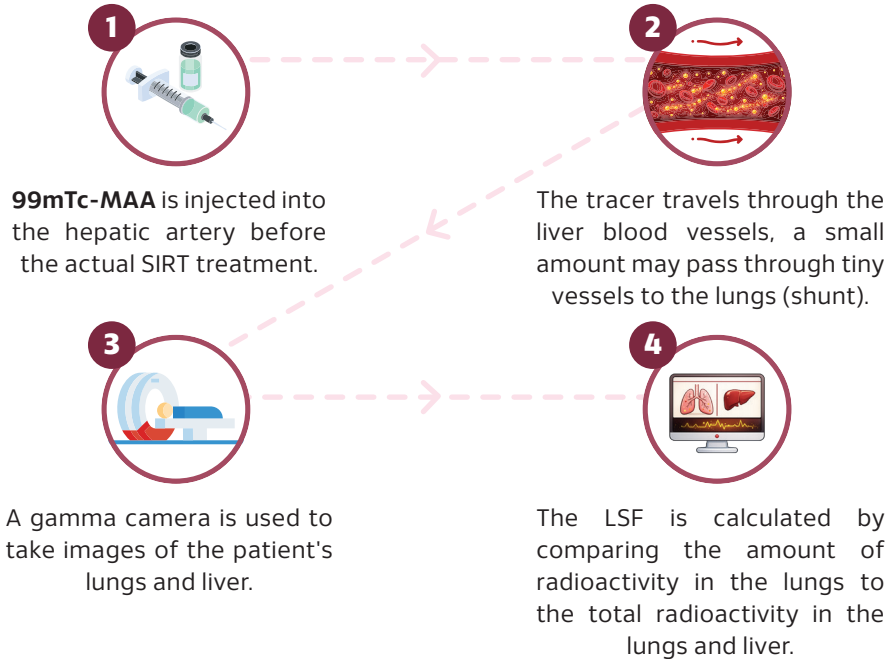
Helps avoid excessive radiation exposure to the lungs during treatment.

Optimizes Treatment Dose

Supports safe and effective delivery of the prescribed radiation dose to the liver tumour.



How is A Lung Shunt Performed?



Preparation for the Scan

This is an inpatient procedure where it requires an overnight hospital stay. Before the procedure, make sure the patient is **well-hydrated**.



Pregnancy and Lactation

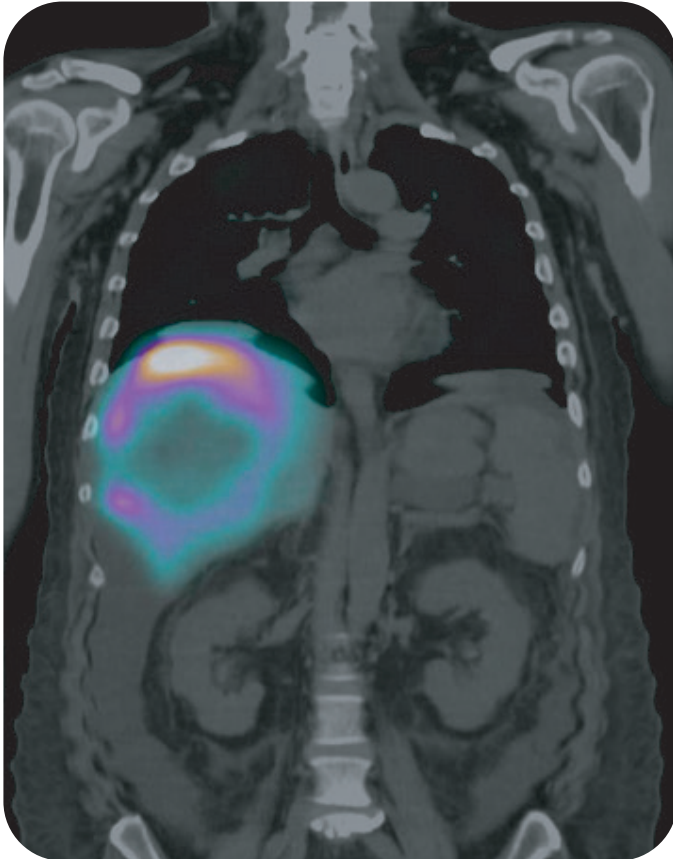
If you are pregnant or suspect you might be, please inform our staff before the procedure. For breastfeeding mothers, it is recommended to stop breastfeeding for **24 hours** after scan.

During this time, you should express and discard your breast milk. You may resume breastfeeding once the recommended time has passed.



An MAA Lung Shunt Scan Image

Picture shows Tc99m MAA is well accumulated in the **liver**.



For more information, kindly contact us at:

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The Nuclear Medicine Centre is located at:
Basement, Tower C

Operation Hours

Mondays-Fridays 8.30am - 5.30pm

Saturdays 8.30am - 12.30pm

Closed on Sundays and Public Holidays