



# NUCLEAR MEDICINE BRAIN SCANS

radiology SA

**Your appointment**

**Date:**

**Time:**

**Patient Preparation:**

Nil.

**Time for Examination:**

1.5 hours

**Please Bring:**

All previous Imaging including Nuclear Medicine Scans, X-rays, US, CT and MRI studies.

**Location:**

Calvary Hospital  
X-Ray Department  
89 Strangways Tc  
North Adelaide SA 5006

Calvary Central Districts Hospital  
X-Ray Department  
25-37 Jarvis Road,  
Elizabeth Vale SA 5112

**Parking:**

Calvary North Adelaide Hospital:  
Free on-street parking is available (1hour,  
2 hour and all day). Please take note of  
parking time limits as this area is pat-  
rolled by council.

Calvary Central Districts Hospital:  
Ample free parking on site

**Radiology SA Nuclear Specialists:**

Dr Rey Casse MBBS FRACP  
Dr Ghee Chew MBBS FRACP  
Dr Vivian Hall MBBS FRANZCR  
Dr Robert Cooper MBBS FRANZCR

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Your doctor has recommended that you have a Nuclear Medicine Brain Scan.

To begin the study a small cannula (plastic tubing or a “drip”) will be placed into a vein in either your arm or hand. This is like having a “drip” put in and the cannula will remain in your arm for the duration of the test. This cannula and will be used later to give you a small injection of a radioisotope for the purpose of the study.

When the injection of isotope is given, it is important that your brain is not “over-active”. To ensure this, you will be asked to lie on a bed in a quiet darkened room following the insertion of the cannula. After around 5 minutes, the doctor will enter the room and will inject a radioisotope through the cannula in your arm. This injection has no side effects and will not interfere with any medications you may be taking. The injection is painless.

Following the injection you will be positioned under a gamma-camera for imaging. The length of the scan is approximately half an hour and it is very important that you keep your head still for this time.

When the doctor has reviewed your images, the cannula will be removed from your arm and your test will be complete.

This study is unsuitable for pregnant women. Breast-feeding mothers can have a Nuclear Medicine Brain Scan but avoiding feeding from the breast and prolonged close contact with your baby is required for 25 hours after the injection. Feeding your baby with expressed breast milk or formula is recommended during this time. Patients who will be the primary care-giver to young children on the day of the test, are encouraged to maintain a certain distance (around 1 metre) from the children where possible in the 12 hours following injection, to avoid unnecessary radiation exposure to them.

**For more information please contact:  
08 8402 0270**