

# Regional Cerebral Perfusion SPECT

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Based on a clinical evaluation, your doctor may recommend a nuclear medicine brain perfusion scan to confirm a suspected disorder of blood flow in the brain. We hope this introductory brochure will help you further understand this scan.

## **Purposes of this study:**

1. To evaluate cerebrovascular diseases such as ischemic stroke and transient ischemic attacks.
2. To evaluate epilepsy.
3. To evaluate dementia.
4. To assess invasion incurred by autoimmune disorder of the central nervous system like systemic lupus erythematosus.
5. Other psychoneurological disorders.

## **Procedure of this study:**

1. No fasting or special preparation is required; however, it is best for you to remain calm to prevent excessive external stimulation.
2. You will be asked to close your eyes while our medical staff injects a tracer into your vein. Your eyes should remain closed until injection is completed.
3. Our staff will schedule a time for scanning after the injection for scanning.
4. At the time of the scan, please wait momentarily in front of the scanning room. The scan usually takes 40 50 minutes.
5. If you are an inpatient, you will be returned to your hospital room. If you are an outpatient, you may go home and continue your regular activities.

## **Other notices:**

1. Notify our medical staff if you are pregnant; if so, the procedure will be inappropriate for your condition.
2. Do your best to remain still during the scan. This will improve the quality of the image. There are no other special precautions and complications like allergy are rare.
3. Please avoid contact with babies and pregnant women the day you receive the low dose radioactive isotope injection. No obvious side effects will occur when in touch with babies and pregnant women. Please do not worry. This test is very safe. No severe side effect has been reported. Allergy could happen but very rare.

**Please feel free to contact us if you have any question.**

TEL: 04-23592525 extend 4801

Email: [nm@vghtc.gov.tw](mailto:nm@vghtc.gov.tw)

**Department of Nuclear Medicine  
Taichung Veterans General Hospital**