National Neuroscience Institute
SingHealth

SingHealth DukeNUS ACADEMIC MEDICAL CENTRE
NEUROSCIENCE

Seeking participants for research study involving

Spinal Ultrasound Scans

This study is collecting ultrasound images of spines to develop an artificial intelligence (AI) powered system for lumbar puncture.

A lumbar puncture is a spinal procedure used in the diagnosis of brain and spine conditions such as multiple sclerosis, brain infections (meningitis) and cancers of the brain and spinal cord. Following this study, we will test if AI-powered ultrasound system guided lumbar puncture is superior to existing method of lumbar puncture by manual anatomical localization.

What the study involves:

- You will be asked to lie on your side on an examination bed
- An ultrasound scan will be done on your lower (lumbar) spine
- The scan will take less than 30 minutes
- No invasive procedures or needles will be used
- One visit only – no follow-up visit required

Transport reimbursement: Provided

Study Location: National Neuroscience Institute @ TTSH

Are you eligible?

- Age 21 years and above
- No known spinal disease
- No previous spinal surgery
- No known allergy to ultrasound gel
- Not pregnant

For more details and to take part in the study, please contact our study coordinator:

Dr Aynul Marliya
Tel: 6357 7546 Mon-Fri, 8.30-6pm
Email: Aynul_Marliya@nni.com.sg

Protocol Title:

Development of an ultrasound guided automated spinal landmark identification system (uSINE) for lumbar puncture

Principal Investigator:

Dr Lin Xuling
Consultant, Department of Neurology
National Neuroscience Institute
11 Jalan Tan Tock Seng
Singapore 308433