

## Anything else you should know?

- This study does not add any risks to your surgery.
- Participation in this study is entirely voluntary.
- You may withdraw at any time.
- A decision not to participate, or to withdraw at any time, will not influence the level of care and treatment you receive in any way.
- The completion of the tests and puzzles will take approx. 60 minutes each time.
- Strict guidelines must be adhered to by all investigators at St. Vincent's Hospital. These are designed to protect the interests of people who agree to take part in medical research.
- You can contact the investigators at any time to answer any questions regarding this trial.

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## The CAPACITY study

**This Trial is funded by Alzheimer's Australia and the National Health & Medical Research Council (NHMRC) and is being undertaken at the following hospitals:**  
**St. Vincent's Hospital, Melbourne,**  
**St. Vincent's Private Hospital, (Fitzroy and East Melbourne campuses) & The Avenue Private Hospital, Melbourne**

## Why are we doing this study?

Recent studies suggest that patients undergoing surgery and medical treatment may experience changes with memory and solving simple problems.

Cerebrospinal fluid (CSF) is known to contain proteins which may be predictive of later life cognitive decline.

## What are we trying to find out?

We want to examine memory functions in patients with arthritis undergoing orthopaedic surgery - before and after the procedure and whether these results have any association with proteins found in spinal fluid.

We will follow patients up to 18 months.

## What will happen if you say “yes”?

Participation in this study means you will be asked to:

- Sign a Consent Form
- Complete questionnaires and puzzles on five occasions:
  - 1 week prior to surgery
  - 1 day prior to surgery
  - 3 months after your surgery
  - 12 months after your surgery
  - 18 months after your surgery
- Consent to a sample of spinal fluid to be taken during administration of spinal anaesthesia

We will keep in touch with you by phone between tests - especially to keep track of any changes.

The completion of the tests and puzzles will take approximately 60 minutes each time.

We can come to you or you can come to us, - whichever option is more convenient to you.