

The Alzheimer's Association multi-center study on lumbar puncture feasibility

1. CENTER ID

Record center ID and if you have filled in center and physician data before.

***1. Record your center ID given to your center when joining this study.**

Center ID no#

2. If you already have filled in center and physician data fill in the Yes box and skip to patient data. If no fill in the No box and proceed to center and physician data.

- Yes
 No

2. CENTER AND PHYSICIAN DATA

Record your center information and the specialist competence and experience of the physician performing the LP.

1. Record the type of center or clinic.

- University/research center
 Specialized memory clinic
 General hospital
 Primary care unit

2. Record the specialist competence of the physician.

- Neurologist
 Geriatrician
 Psychiatrist
 Resident
 Internal Medicine
 Med student

Other (please specify)

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3. Record the experience of the physician in performing a LP.

Limited experience <10 LPs
during the last years

Experienced 10-100 LPs
during the last years

Very experienced > 100 LPs
during the last years

Experience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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3. PATIENT DATA

Record the clinical diagnosis, basic data and medical history of headache or chronic pain of the patient.

*1. Record identification no# given to patient when joining this study.

The same patient ID should be used later in the follow-up questioner.

Patient ID no#

2. Reason for LP.

Record the reason for performing a LP.

- Clinical research study
- Clinical trial
- Routine diagnosis

3. Record the clinical diagnosis following standard diagnostic criteria.

- AD (probable or possible AD, according to the NINCDS-ADRDA criteria)
- MCI (MCI according to the Petersen criteria, regardless of progression)
- Normal (normal elderly; e.g. individuals participating as controls at research centers)
- Other dementia (e.g. FTD, LBD, VAD according to standard diagnostic criteria specify)
- Psychiatric disorders (e.g. depression; specify)
- Neurol. disorder (e.g. Parkinson's disease; specify)

Other (please specify)

4. Basic data

Age

Sex

MMT score

Record the basic clinical data for the patient:	<input type="text"/>	<input type="text"/>	<input type="text"/>
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5. Ethnicity

Recorded ethnicity of the patient.

- African
- Asian
- European
- Latin American

Other (please specify)

6. History of headache

Record if the patient has a medical history of headache (e.g. tension headache or migraine)

- None or rare (no headache or not more than the general population)
- Mild (mild headache, needing some medication or disability)
- Chronic (history of chronic or severe headache)

7. History of chronic pain

Record if the patient has a medical history of chronic pain disorders (e.g. fibromyalgia). Disorders such as rheumatoid arthritis or hip/knee arthrosis are not registered.

- None or rare (no pain history or not more than the general population)
- Mild (mild pain history, needing some medication or disability)
- Chronic (history of chronic pain)

4. PATIENT LP HISTORY

Record patients previous LP History and knowledge on LP

1. Previous LP

Record if the patient has undergone previous LPs, and if so, specify the number of LPs. If not skip next question .

- No(no previous LP during adult life)
- Yes(has undergone LP during adult life)

If yes specify number of LP

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2. If the patient has undergone previous LPs, also specify if there have been any complications.

- No(no previous complications after LP)
- Yes(specify which type of complication, e.g. post-LP headache)

If yes please specify type of complication

3. Knowledge on LP

Ask the patient if he/she know what an LP means.

If not skip next question.

Record if the patient's knowledge is:

- None or limited
- Yes, knows about the procedure

4. If the patient has knowledge on LP, record the patient's opinion on the procedure.

- Standard medical procedure
- Invasive, fearful procedure

5. Fear of complications

Record if the patient is worried for undergoing an LP.

- No(not worried)
- A bit worried
- Very worried for headache, pain or other complications

6. Attitude to undergo LP

Record the patient's attitude for undergoing an LP:

- Calm, no problems
- Reluctant, but approves
- Disapproves(Fill in the protocol until this point, to allow evaluation of the acceptance rate for LP)

5. THE LUMBAR PUNCTURE PROCEDURE

Record data regarding the LP procedure

1. Time of day

Record the time of day for the LP.

- AM (before lunch, 12.00)
- PM (after lunch)

2. Medication

Record whether the patient receives any medication, including:

- None
- Premedication, e.g. diazepam, which in some cases are given to anxious patients
- Local anesthesia

3. Position

Record the position of the patient during the LP.

- Lying down (supine position)
- Sitting

4. Needle used for LP

Record the type of the needle used for LP.

- Quincke (or similar needles with a cutting edge)
- Sprotte (or similar needles with a pen-point)

Other (please specify)

5. Diameter of the needle

Record the diameter of the needle used for LP.

- 20G (0.9mm)
- 21G (0.8 mm)
- 22G (0.7 mm)
- 23G (0.6 mm)
- 24G (0.5 mm)
- 25G (0.4mm)

Other (if so, specify the diameter)

6. Method to obtain CSF

Record whether CSF was obtained by:

- Free flow/dripping from the (or through a catheter) to the tube
- Withdrawal by negative pressure by a syringe

7. LP hemorrhage

Record if there was any hemorrhage at the LP.

- No (clear CSF)
- Yes, mild (slightly bloody CSF initially during the LP)
- Yes, marked (clearly bloody CSF during the LP)

8. LP procedure

Record if it was difficult to do the LP (enter the subarachnoid space and get CSF), and if more than one attempt was needed to do LP/get CSF.

- Easy, 1 attempt
- Slightly difficult, 2-4 attempts
- Difficult, 5 or more attempts

If the LP procedure is difficult, specify the reason, e.g., patient girth, presence of arthrosis/spondylosis, scoliosis, etc.

9. Tapped volume

Record the total volume of CSF tapped during at LP.

- < 5 mL
- 5-12 mL
- > 12 mL

10. Rest after LP

Record how long the patient was allowed to rest, lying down, after LP.

- < 1 hour
- 1-2 hours
- > 2 hours

6. Thanks!

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Thanks for your participating in this study if you like to change any answers just click the prev button and you will be able to changes any box in this questionnaire. Otherwise click the send button.

If you have any question or comments on this questionnaire don't hesitate to contact us at Neurochem@neuro.gu.se