

# Day 014 Cognition

Record ID \_\_\_\_\_



UK ISRCTN 98886991  
UK IRAS306761  
UK CPMS 50913  
WHO UTN U1111-1273-9942

## Pharyngeal Electrical stimulation for Acute Stroke dysphagia Trial (PhEAST)

### Day 014 follow-up form (Cognition tests) v1.2

#### Cognition, Zung & SIS tests

- ▶ Please check consent form obtained.
- ▶ Please check Day 014, follow-up form completed.
- ▶ Please check Day 014, IQCODE form completed.

#### Section A: Participant details ☆

A1. Center name : \_\_\_\_\_

A2. Participant ID : \_\_\_\_\_

A3. Participant initials : \_\_\_\_\_

A4. Participant vital status

 Died  Alive

A5. Is this form being filled in face-to-face or by telephone or postal letter/email?

 Face-to-face  
 Telephone  
 Post

Ⓞ Questions marked with a RED NO-PHONE sign are not available if the assessment is not done face-to-face.

(eg. Orientation place or visuoconstructional skills)

A6. Is the participant available to answer these questions?

 Yes  No  Assessment by post

If "No" is selected, the form does not have to be filled in.

Enter the assessor's details and any comments before completing the CRF.

## A7. Presence of severe dysphasia?

## Dysphasia definition

0 = No aphasia; normal.

1 = Mild-to-moderate aphasia; some obvious loss of fluency or facility of comprehension, without significant limitation on ideas expressed or form of expression. Reduction of speech and/or comprehension, however, makes conversation about provided materials difficult or impossible. For example, in conversation about provided materials, examiner can identify picture or naming card content from patient's response.

2 = Severe aphasia; all communication is through fragmentary expression; great need for inference, questioning, and guessing by the listener. Range of information that can be exchanged is limited; listener carries burden of communication. Examiner cannot identify materials provided from patient response.

3 = Mute, global aphasia; no usable speech or auditory comprehension.

3 = Coma/unresponsive.

If the participant shows severe signs of dysphasia, he/she might not be able to complete the assessment. You have the option of not filling in the CRF.

- 0 = No aphasia; normal.
- 1 = Mild-to-moderate aphasia
- 2 = Severe aphasia
- 3 = Mute, global aphasia
- 3 = Coma/unresponsive
- Unknown (eg. Postal assessment)

△ Participant details questions A1-A7 should all be answered.

## Section B: General wellbeing assessment

## B1. Assessment start time

(Date DD-MM-YYYY HH:MM)

### Alertness (4AT)

## B2a. Alertness (4AT)

This includes patients who may be markedly drowsy (eg. difficult to rouse and/or obviously sleepy during assessment) or agitated/hyperactive.

Observe the patient.

If asleep, attempt to wake with speech or gentle touch on shoulder.

Ask the patient to state their name and address to assist rating.

- Normal (fully alert, but not agitated, throughout assessment)
- Mild sleepiness for < 10 seconds after waking, then normal
- Clearly abnormal

Score: -4: Clearly abnormal; 0: Otherwise

**Brief Fatigue Inventory (BFI)**

B3a. Throughout our lives, most of us have times when we feel very tired or fatigued.  Yes  No

Have you felt unusually tired or fatigued since your stroke?

**Patient Health Questionnaire (PHQ) 0: Good to 3: Bad**

**Ask the participant: "Over the last 2 weeks, how often have you been bothered by any of the following problems?"**

B4a. Feeling down, depressed, or hopeless  0: Not at all  
 1: Several days  
 2: More than half the days  
 3: Nearly every day

B4b. Little interest or pleasure in doing things  0: Not at all  
 1: Several days  
 2: More than half the days  
 3: Nearly every day

**Generalized Anxiety Disorder (GAD) 0: Good to 3: Bad**

**Ask the participant: "Over the last 2 weeks, how often have you been bothered by any of the following problems?"**

B5a. Not being able to stop or control worrying?  0: Not at all  
 1: Several days  
 2: More than half the days  
 3: Nearly every day


B5b. Feeling nervous, anxious or on edge?  0: Not at all  
 1: Several days  
 2: More than half the days  
 3: Nearly every day

**Clinical Frailty Score (CFS) ☆****1: Good to 9: Bad**

B6. Clinical frailty score  
? \_\_\_\_\_  1: Very fit  
 2: Well  
 3: Managing well  
 4: Vulnerable  
 5: Mildly frail  
 6: Moderately frail  
 7: Severely frail  
 8: Very severely frail  
 9: Terminally ill  
 Not done

## B6b. Clinical Frailty Scale (CFS)

## CLINICAL FRAILITY SCALE

	<b>1</b>	<b>VERY FIT</b>	People who are robust, active, energetic and motivated. They tend to exercise regularly and are among the fittest for their age.
	<b>2</b>	<b>FIT</b>	People who have <b>no active disease symptoms</b> but are less fit than category 1. Often, they exercise or are very active <b>occasionally</b> , e.g., seasonally.
	<b>3</b>	<b>MANAGING WELL</b>	People whose <b>medical problems are well controlled</b> , even if occasionally symptomatic, but often are <b>not regularly active</b> beyond routine walking.
	<b>4</b>	<b>LIVING WITH VERY MILD FRAILITY</b>	Previously "vulnerable," this category marks early transition from complete independence. While <b>not dependent</b> on others for daily help, often <b>symptoms limit activities</b> . A common complaint is being "slowed up" and/or being tired during the day.
	<b>5</b>	<b>LIVING WITH MILD FRAILITY</b>	People who often have <b>more evident slowing</b> , and need help with <b>high order instrumental activities of daily living</b> (finances, transportation, heavy housework). Typically, mild frailty progressively impairs shopping and walking outside alone, meal preparation, medications and begins to restrict light housework.

	<b>6</b>	<b>LIVING WITH MODERATE FRAILITY</b>	People who need help with <b>all outside activities</b> and with <b>keeping house</b> . Inside, they often have problems with stairs and need <b>help with bathing</b> and might need minimal assistance (cuing, standby) with dressing.
	<b>7</b>	<b>LIVING WITH SEVERE FRAILITY</b>	<b>Completely dependent for personal care</b> , from whatever cause (physical or cognitive). Even so, they seem stable and not at high risk of dying (within ~6 months).
	<b>8</b>	<b>LIVING WITH VERY SEVERE FRAILITY</b>	Completely dependent for personal care and approaching end of life. Typically, they could not recover even from a minor illness.
	<b>9</b>	<b>TERMINALLY ILL</b>	Approaching the end of life. This category applies to people with a <b>life expectancy &lt;6 months</b> , who are <b>not otherwise living with severe frailty</b> . (Many terminally ill people can still exercise until very close to death.)

### SCORING FRAILITY IN PEOPLE WITH DEMENTIA

The degree of frailty generally corresponds to the degree of dementia. Common **symptoms in mild dementia** include forgetting the details of a recent event, though still remembering the event itself, repeating the same question/story and social withdrawal.

In **moderate dementia**, recent memory is very impaired, even though they seemingly can remember their past life events well. They can do personal care with prompting.

In **severe dementia**, they cannot do personal care without help.

In **very severe dementia** they are often bedfast. Many are virtually mute.



Clinical Frailty Scale ©2005–2020 Rockwood, Version 2.0 (EN). All rights reserved. For permission: [www.geriatricmedicineresearch.ca](http://www.geriatricmedicineresearch.ca)  
Rockwood K et al. A global clinical measure of fitness and frailty in elderly people. CMAJ 2005;173:489–495.

### Clinical diagnosis of dementia & limited care-home admission

B7. Most limited function care-home admission (R4VaD)  Yes  No  Not known

B8. Clinical diagnosis of dementia (R4VaD)  Yes  No or Unknown

Clinical diagnosis made independent of study Any clinical diagnosis of dementia made by memory clinic (or equivalent, this would include primary care) Any recording of dementia on death certification Any prescription of cholinesterase inhibitor or memantine

△ Section B2-B8 questions should all be answered.

**Section B9: Short Zung Interviewer-assisted Depression Rating Scale (Short Zung I.D.S.)****At Day 014, Zung I.D.S. :            / 4****1: Good to 4: Bad**

Short Zung Interviewer-assisted Depression Rating Scale (Short Zung I.D.S.)

Please explain to the participant that this is a scale and that there are 4 possible answers.

- Seldom or never
- Some of the time
- Good part of the time
- Most of the time

Then read the questions below and ask them to answer nearest to their present mood.

You may have to read the options to them several times.

Please record the answer for their mood today, not how they have felt since the index stroke.

---

B9a. I feel down-hearted and blue

1: Seldom or never  
 2: Some of the time  
 3: Good part of the time  
 4: Most of the time

---

B9b. I have trouble sleeping at night

1: Seldom or never  
 2: Some of the time  
 3: Good part of the time  
 4: Most of the time

---

B9c. Morning is when I feel best

1: Seldom or never  
 2: Some of the time  
 3: Good part of the time  
 4: Most of the time

---

B9d. I can eat as much as I used to

1: Seldom or never  
 2: Some of the time  
 3: Good part of the time  
 4: Most of the time

---

B9e. I get tired for no reason

1: Seldom or never  
 2: Some of the time  
 3: Good part of the time  
 4: Most of the time

---

B9f. I find it difficult to make decisions

1: Seldom or never  
 2: Some of the time  
 3: Good part of the time  
 4: Most of the time

---

B9g. I feel hopeful about the future

1: Seldom or never  
 2: Some of the time  
 3: Good part of the time  
 4: Most of the time

---

B9h. I feel that I am useful and needed

1: Seldom or never  
 2: Some of the time  
 3: Good part of the time  
 4: Most of the time

B9i. My life is somewhat empty

- 1: Seldom or never  
 2: Some of the time  
 3: Good part of the time  
 4: Most of the time

B9j. I still enjoy the things I used to do

- 1: Seldom or never  
 2: Some of the time  
 3: Good part of the time  
 4: Most of the time

### Section B10: Stroke Impact Scale (SIS)

At Day 014 SIS :        / 5

1: Bad to 5: Good

#### In the past week

B10a. In the past week, how would you rate the strength of your leg that was most affected by your stroke?

- 5: A lot of strength  
 4: Quite a bit of strength  
 3: Some strength  
 2: A little strength  
 1: No strength at all

B10b. In the past week, how difficult was it for you to think quickly?

- 5: Not difficult at all  
 4: A little difficult  
 3: Somewhat difficult  
 2: Very difficult  
 1: Extremely difficult

B10c. In the past week, how often did you feel that you have nothing to look forward to?

- 5: None of the time  
 4: A little of the time  
 3: Some of the time  
 2: Most of the time  
 1: All of the time

B10d. In the past week, how difficult was it to understand what was being said to you in a conversation?

- 5: Not difficult at all  
 4: A little difficult  
 3: Somewhat difficult  
 2: Very difficult  
 1: Extremely difficult

#### In the past 2 weeks

B10e. In the past 2 weeks, how difficult was it to do light household tasks/chores (e.g. dust, make a bed, take out rubbish, do the dishes)?

- 5: Not difficult at all  
 4: A little difficult  
 3: Somewhat difficult  
 2: Very difficult  
 1: Could not do at all

B10f. In the past 2 weeks, how difficult was it to walk without losing your balance?

- 5: Not difficult at all  
 4: A little difficult  
 3: Somewhat difficult  
 2: Very difficult  
 1: Could not do at all

B10g. In the past 2 weeks, how difficult was it to use your hand that was most affected by your stroke to pick up a coin?

- 5: Not difficult at all  
 4: A little difficult  
 3: Somewhat difficult  
 2: Very difficult  
 1: Could not do at all

### In the past 4 weeks

B10h. During the past 4 weeks, how much of the time have you been limited in your social activities?

- 5: None of the time  
 4: A little of the time  
 3: Some of the time  
 2: Most of the time  
 1: All of the time

### Section C1-C3: Cognitive impairment & Delirium Rating: 6-CiT, 4AT & R4VaD

Cognitive impairment & Delirium Rating 6-CiT, 4AT and R4VaD will be automatically calculated.

### Six-item Cognitive Impairment Test (6-CIT)

C1. 6-CIT Score at Day 014

$([cit\_total\_014]/ 28)$   
 0: Good to 28: Bad

### 4AT RAPID CLINICAL TEST FOR DELIRIUM (4AT)

C2. 4AT Score at Day 014

$[at\_score\_014]/ 12$   
 0: Good to 12: Bad

### Rates, Risks and Routes to Reduce Vascular Dementia (R4VaD)

C3a. R4VaD Levels at Day 014

level-4:  $([cog\_r4vad4\_014]/ 3)$   
 level-7:  $([cog\_r4vad7\_014]/ 5)$

C3b. R4VaD worse case Levels at Day 014

level-4:  $([cog\_r4vad4worst\_014]/ 3)$   
 level-7:  $([cog\_r4vad7worst\_014]/ 5)$

### Section C4-C25: Cognition tests

Complete only if the participant is available to answer. Skip if only the carer is available.

Please ask as many questions as possible, within the participant's tolerance.  
Please do NOT help the participant - if they cannot answer (for whatever reason) then score as incorrect.

The assessment can be stopped or paused at any point, but preferably where indicated, if the participant is unwilling or unable to continue.  
When the assessment has stopped, any remaining questions can be marked 'not applicable'.

Please note "ND" is short for "Not Done"

ND = Not done

## MoCA<sup>®</sup> Memory

❶ Tell the participant:

"This is a memory test. I am going to read a list of words that you will have to remember now and later on. Listen carefully. When I am through, tell me as many words as you can remember. It doesn't matter in what order you say them."

FACE VELVET CHURCH DAISY RED

❷ Now tell the participant:

"I am going to read the same list for a second time. Try to remember and tell me as many words as you can, including words you said the first time."

❸ Then tell the participant:

"I will ask you to recall those words again later in the test."

- No points are given for Trials One and Two

C5a. Repeat FACE

0: Not correct     1: Repeated correctly  
 ND

C5b. Repeat VELVET

0: Not correct     1: Repeated correctly  
 ND

C5c. Repeat CHURCH

0: Not correct     1: Repeated correctly  
 ND

C5d. Repeat DAISY

0: Not correct     1: Repeated correctly  
 ND

C5e. Repeat RED

0: Not correct     1: Repeated correctly  
 ND

## MoCA<sup>®</sup> Orientation

Ask the participant the date today (year, month, exact date, day of the week) and the name of the place (name of hospital/clinic/office) and city they are in.

- Score 1 point for each item correctly answered.

C6a. What is today's date? Date

0: Wrong answer     1: Correct answer  
 ND

C6b. What is the month? Month

0: Wrong answer     1: Correct answer  
 ND

6i-CIT Score: -3: Wrong answer; 0: Correct answer

C6c. What is the year? Year

0: Wrong answer     1: Correct answer  
 ND

6i-CIT Score: -4: Wrong answer; 0: Correct answer



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C6d. What day of the week is it today? Day  0: Wrong answer  1: Correct answer  
 ND

---

C6e. Where are we? Hospital or residence street name? Place  0: Wrong answer  1: Correct answer  
 ND

---

C6f. Where are we? City or town name? City  0: Wrong answer  1: Correct answer  
 ND

---

C6g. Where are we? Hospital ward name or residence name/number.  0: Wrong answer  1: Correct answer  
 ND  
()

(Excluded from telephone test)

---

C6h. About what time is it? (within 1 hour)  0: Wrong answer  1: Correct answer  
 ND

6i-CIT Score: -3: Wrong answer; 0: Correct answer

---

C6i. What season are we in?  0: Wrong answer  1: Correct answer  
 ND

---

C6j. What is your age?  0: Wrong answer  1: Correct answer  
 ND

---

C6k. What is your telephone number (code and number)?  0: Wrong answer  1: Correct answer  
 ND

---

C6l. What is your date of birth?  0: Wrong answer  1: Correct answer  
 ND

---

C6m. Abbreviated Mental Test - 4 questions.  0: No mistakes  
 1: 1 mistake  
 2: 2 or more mistakes/untestable

- Age,
- Date of birth,
- Place (name of the hospital or building),
- Current year.

---

### MoCA<sup>®</sup> General knowledge - news

This is a general opening question to try to put people at ease, also accept recent events in sport or soap opera, if they state they don't follow the news.

- Score 1 for any key fact of current knowledge but none for a general answer.

---

C7. Can you tell me anything that's in the news recently?  0: Wrong answer  1: Correct answer  
 ND

**MoCA© Language sentence repetition**

Read the following sentences to the participant and ask them to repeat exactly what you say.  
Translate into Danish or German as appropriate.

- Score 1 point for each sentence correctly repeated. Repetition must be exact.

C8a. "I only know that John is the one to help today."  0: Not correct  1: Repeated correctly  
 ND

C8b. "The cat always hid under the couch when dogs were in the room."  0: Not correct  1: Repeated correctly  
 ND

C8c. "Don't beat about the bush".  0: Not correct  1: Repeated correctly  
 ND

C8d. Give the participant an address phrase to remember with 5 components - John, Smith, 42, High St, Bedford.

①John ②, Smith ③, 42 ④, High St ⑤, Bedford.

C8e. Repeat address phrase.  All correct (0 pts)  
 One error (2 pts)  
 Two errors (4 pts)  
 Three errors (6 pts)  
 Four errors (8 pts)  
 All wrong (10 pts)

Count errors

C8f. Repeat this sentence "Methodist episcopal"  1: Repeated correctly  
 0: Not correct  ND

Translate into Danish or German as appropriate

**MoCA© Language verbal fluency**

Say to the participant, "Tell me as many words as you can think of that begin with a certain letter of the alphabet that I will tell you in a moment.

You can say any kind of word you want, except for proper nouns (like Bob or Boston), numbers, or words that begin with the same sound but have a different suffix, for example, love, lover, loving. I will tell you to stop after one minute."

Are you ready?

"Now tell me as many words as you can think of that begin with the letter F."

Record the number of distinct words the participant says.

- Score 1 point if more than 10 words.

If the subject names two consecutive words that begin with another letter of the alphabet, the examiner repeats the target letter if the instructions have not yet been repeated.

C8g. Name as many words as you can in 1 minute that begin with the letter F. (>10 words)

\_\_\_\_\_ (Number of words (0-60) )

Time one minute and record the responses

- Score 1 point if more than 10 words.

C8h. Name as many different animals as you can in 1 minute. (>9 words)

(Number (0-60) )

Time one minute and record the responses  
Do not count different breeds of the same animal (eg corgi, spaniel, Cockapoo, Alsatian etc).

- Score 1: if 10 or more correct responses; Score 0: if < 10 responses.

C8i. Write a sentence.

0: Incorrect    1: Correct sentence  
 ND  
( 0 )

Sentence needs to be understandable - ignore minor grammatical and spelling errors;

- Score 1 if fully correct

### MoCA© Delayed recall

Delayed recall.

Ask the participant to recall the 5 words that they were asked to remember earlier

FACE VELVET CHURCH DAISY RED

- Score 1 point for each of the words correctly recalled spontaneously without any cues. Words must be recalled WITH NO CUE; points allocated for UNCUE recall only.

C9a. Recall FACE

0: Wrong answer    1: Correct answer  
 ND

C9b. Recall VELVET

0: Wrong answer    1: Correct answer  
 ND

C9c. Recall CHURCH

0: Wrong answer    1: Correct answer  
 ND

C9d. Recall DAISY

0: Wrong answer    1: Correct answer  
 ND

C9e. Recall RED

0: Wrong answer    1: Correct answer  
 ND

### MoCA© Attention

Attention.

Read these lists of numbers/letters at a rate of 1 per second.

- One point is allocated for each sequence correctly repeated. (no points for partial response)

C10a. Ask the participant to repeat the following numbers in forward order:

0: 0-correct  
 1: 1-correct  
 2: 2-correct  
 3: 3-correct  
 4: 4-correct  
 5: 5-correct

2, 1, 8, 5, 4

C10b. Ask the participant to repeat the following numbers in reverse order:

7, 4, 2

- 0: 0-correct  
 1: 1-correct  
 2: 2-correct  
 3: 3-correct

C10c. Ask the participant to tap with their hand at each letter A as you read out the following list.

F B A C M N A A J K L B A F A K D E A A A J A M  
O F A A B

- 1: No or only 1 error  
 0: 2 or more errors  
 Not done

• No points if 2 or more errors; • Score 1 if only one error or totally correct.  
(an error is a tap on a wrong letter or a failure to tap on letter A).

Ⓞ For telephonic interview: Ask the participant to tap with a pencil or pen on the side of the phone.

### MoCA<sup>®</sup> Attention serial 7s subtraction

Attention Serial 7s subtraction.

Ask the participant, "Please take 7 away from 100. Now continue to take 7 away from what you have left over until I ask you to stop."

If the participant makes a mistake, carry on and check the subsequent answer (e.g. for 93, 84, 77, 70, 63 there are 4 correct subtractions).

• Score: 3pts: 4 or 5 correct subtractions; 2pts: 2 or 3 correct; 1pt: 1 correct; 0pt: 0 correct.  
The subject must perform a mental calculation, therefore, (s)he may not use his/her fingers nor a pencil and paper to execute the task. The examiner may not repeat the subject's answers. If the subject asks what her/his last given answer was or what number (s)he must subtract from his/her answer, the examiner responds by repeating the instructions if not already done so.

C11a. First subtraction (normally 93)

- 0: Wrong answer     1: Correct answer  
 ND

C11b. Second subtraction (normally 86)

- 0: Wrong answer     1: Correct answer  
 ND

C11c. Third subtraction (normally 79)

- 0: Wrong answer     1: Correct answer  
 ND

C11d. Fourth subtraction (normally 72)

- 0: Wrong answer     1: Correct answer  
 ND

C11e. Fifth subtraction (normally 65)

- 0: Wrong answer     1: Correct answer  
 ND

**MoCA© Count backwards**

C11f. Count backwards from 20 to 1.

- Correct (0 pts)  
 One error (2 pts)  
 More than one error (4 pts)

Count how many errors.

C11g. Months of the Year Backwards.

- 0: Achieves 7 months or more correctly  
 1: Starts but scores < 7 months / refuses to start  
 2: Untestable (cannot start because unwell, drowsy, inattentive)

Ask the participant:

"Please tell me the months of the year in backwards order, starting at December."

To assist initial understanding one prompt of

"What is the month before December?" is permitted.

C11h. Say the months of the year in reverse.

- Correct (0 pts)  
 One error (2 pts)  
 More than one error (4 pts)  
 Not done

Count errors.

**MoCA© Abstraction**

Ask the participant the similarity between 2 words e.g. for banana and orange the answer is fruit.

- Score 1 point for each correct answer.

C12a. What is the similarity between train and bicycle?

- 0: Wrong answer     1: Correct answer  
 ND

The following responses are acceptable:

- transport, means of transportation, means of travelling, you take trips in both

The following responses are not acceptable:

- train-bicycle = they have wheels

C12b. What is the similarity between watch and ruler?

- 0: Wrong answer     1: Correct answer  
 ND

The following responses are acceptable:

- ruler-watch = measure, measuring instruments, used to measure

The following responses are not acceptable:

- ruler-watch = they have numbers

**C13-C14: Visuoconstructional Skills**

Ⓞ (Excluded from telephone test)

### Alternating trail

①

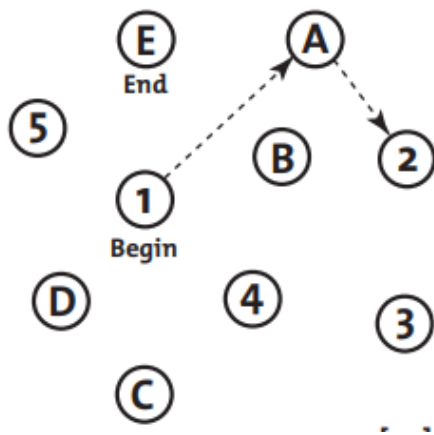
C13a (i) The examiner instructs the subject:

"Please draw a line, going from a number to a letter in ascending order.

Begin here [point to (1)] and draw a line from 1 then to A then to 2 and so on. End here [point to (E)]." • 1 point:  
Allocated if the subject successfully draws the following pattern:

1 -A- 2- B- 3- C- 4- D- 5- E, without drawing any lines that cross.

- 0 point: Allocated for any error that is not immediately self-corrected.
- 0 point: Allocated if the subject draws a line to connect the end (E) to the beginning (1).



"Please draw a line, going from a number to a letter in ascending order.

- 1: Correct     0: Incorrect  
 Not done  
 ( ① )

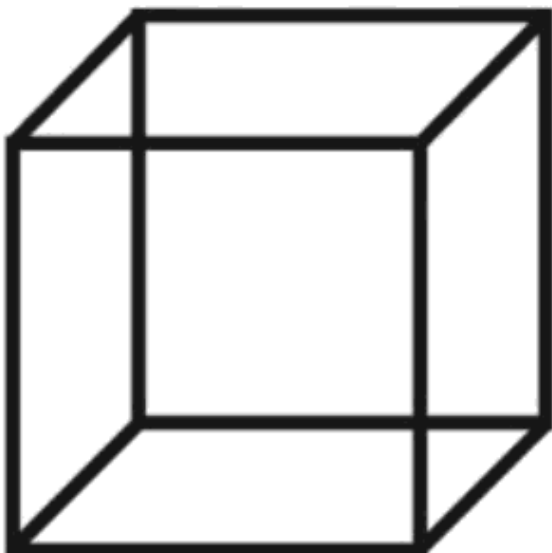
### Visuoconstructional Skills (Drawing)

①

C13b (i) Ask the participant to copy the diagram, as accurately as they can.

One point is allocated for a correctly executed drawing.

- Drawing must be three-dimensional
- All lines are drawn
- No line is added
- Lines are relatively parallel and their length is similar (rectangular prisms are accepted)
- A point is not assigned if any of the above criteria is not met.



"Copy the diagram, as accurately as you can."

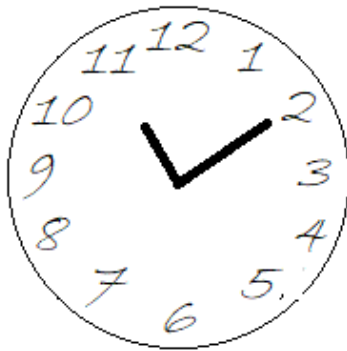
1: Correct     0: Incorrect  
 Not done  
 (0)

### Visuoconstructional Skills (Clock)

C13c (i) Ask the participant to draw a clock, put in all the numbers, and set the time to 10 past 11. The examiner must ensure that the subject does not look at his/her watch while performing the task and that no clocks are in sight.

One point is allocated for each of the following three criteria:

- Contour (1 pt.): the clock contour must be drawn (either a circle or a square). Only minor distortions are acceptable (e.g., slight imperfection on closing the circle). If the numbers are arranged in a circular manner but the contour is not drawn the contour is scored as incorrect.
- Numbers (1 pt.): all clock numbers must be present with no additional numbers. Numbers must be in the correct order, upright and placed in the approximate quadrants on the clock face. Roman numerals are acceptable. The numbers must be arranged in a circular manner (even if the contour is a square). All numbers must either be placed inside or outside the clock contour. If the subject places some numbers inside the clock contour and some outside the clock contour, (s)he does not receive a point for Numbers.
- Hands (1 pt.): there must be two hands jointly indicating the correct time. The hour hand must be clearly shorter than the minute hand. Hands must be centered within the clock face with their junction close to the clock center.



C13c (ii). Contour  
 The clock face must be a circle with only minor distortion acceptable (e.g. slight imperfection on closing the circle)

1: Correct     0: Incorrect  
 Not done  
 (0)

One point is allocated for each of the following three criteria:

- Contour (1 pt.): the clock contour must be drawn (either a circle or a square). Only minor distortions are acceptable (e.g., slight imperfection on closing the circle). If the numbers are arranged in a circular manner but the contour is not drawn the contour is scored as incorrect.

C13c (iii). Numbers  
All numbers present and placed correctly

1: Correct     0: Incorrect  
 Not done  
( 0 )

One point is allocated for each of the following three criteria:

- Numbers (1 pt.): all clock numbers must be present with no additional numbers. Numbers must be in the correct order, upright and placed in the approximate quadrants on the clock face. Roman numerals are acceptable. The numbers must be arranged in a circular manner (even if the contour is a square). All numbers must either be placed inside or outside the clock contour. If the subject places some numbers inside the clock contour and some outside the clock contour, (s)he does not receive a point for Numbers.

C13c (iv). Hands  
There must be two hands jointly indicating the correct time; the hour hand must be clearly shorter than the minute hand; hands must be centred within the clock face with their junction close to the clock centre

1: Correct     0: Incorrect  
 Not done  
( 0 )

One point is allocated for each of the following three criteria:

- Hands (1 pt.): there must be two hands jointly indicating the correct time. The hour hand must be clearly shorter than the minute hand. Hands must be centered within the clock face with their junction close to the clock center.

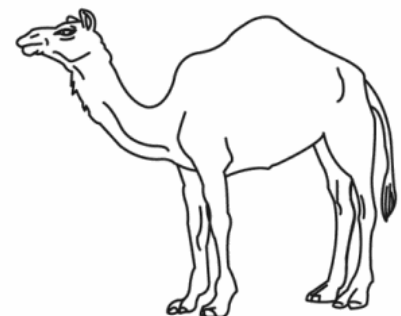
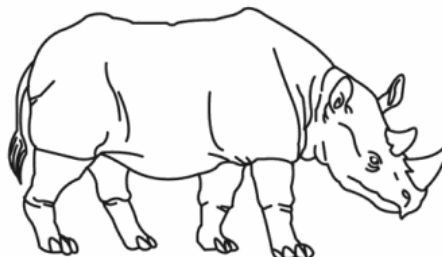
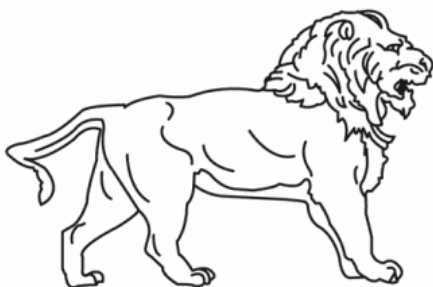
## Naming

C14a. Naming animals

Beginning on the left, point to each figure and say to the participant:  
"Tell me the name of this animal"

- One point is given for each of the following responses: (1) lion (2) rhinoceros or rhino (3) camel or dromedary.

( 0 )





**Point to ear and fingernail**

C14b. Name ear and fingernail.

 0: none    1: one correct 2: both correct (0)

Point to ear then fingernail

- Score 1 point for each correct answer.

**C15. MoCA© Totals**

C15. Montreal Cognitive Assessment (MoCA) - Score will automatically be calculated.

- T-MoCA:            / 22
- MoCA :            / 30
- MoCA-MIS :        / 15

Thank you for taking the MoCA test.

**TICSTM-m Free Recall.**

Say to the participant, "I am going to read you a list of 10 words. Please listen carefully and try to remember them. When I am done, tell me as many as you can in any order. Ready?"

CABIN PIPE ELEPHANT CHEST SILK THEATRE WATCH WHIP PILLOW GIANT

"Now, tell me all of the words that you can remember."

- Score 1 point for each item correctly answered.

C16a. Cabin

 0: Wrong answer    1: Correct answer ND

C16b. Pipe

 0: Wrong answer    1: Correct answer ND

C16c. Elephant

 0: Wrong answer    1: Correct answer ND

C16d. Chest

 0: Wrong answer    1: Correct answer ND

C16e. Silk

 0: Wrong answer    1: Correct answer ND

C16f. Theatre

 0: Wrong answer    1: Correct answer ND

C16g. Watch

 0: Wrong answer    1: Correct answer ND

C16h. Whip

 0: Wrong answer    1: Correct answer ND

C16i. Pillow

 0: Wrong answer    1: Correct answer ND

C16j. Giant

 0: Wrong answer    1: Correct answer ND

**TICSTM-m Comprehension**

C17a. What do people usually use to cut paper?  
(scissors)  0: Wrong answer  1: Correct answer  
 ND

C17b. What is the prickly green plant found in the  
desert? (cactus)  0: Wrong answer  1: Correct answer  
 ND

C17c. What is the name of the reigning  
monarch/president?  0: Wrong answer  1: Correct answer  
 ND

C17d. What is the surname of the current Prime  
Minister/Chancellor?  0: Wrong answer  1: Correct answer  
 ND

C17e. What is the opposite direction to East?  
 0: Wrong answer  1: Correct answer  
 ND

**TICSTM-m Delayed Recall.**

CABIN PIPE ELEPHANT CHEST SILK THEATRE WATCH WHIP PILLOW GIANT  
Ask the participant if they can remember the 10 words given earlier?

C18a. Cabin  0: Wrong answer  1: Correct answer  
 ND

C18b. Pipe  0: Wrong answer  1: Correct answer  
 ND

C18c. Elephant  0: Wrong answer  1: Correct answer  
 ND

C18d. Chest  0: Wrong answer  1: Correct answer  
 ND

C18e. Silk  0: Wrong answer  1: Correct answer  
 ND

C18f. Theatre  0: Wrong answer  1: Correct answer  
 ND

C18g. Watch  0: Wrong answer  1: Correct answer  
 ND

C18h. Whip  0: Wrong answer  1: Correct answer  
 ND

C18i. Pillow  0: Wrong answer  1: Correct answer  
 ND

C18j. Giant  0: Wrong answer  1: Correct answer  
 ND

### C19. TICSTM-m Totals

C19. ☎ Telephone Interview for Cognitive Status (TICS-m) - Score will automatically be calculated.

- Total TICS-m 🕒 (telephone test) ( / 39)

Thank you for taking the TICS-m test.

### Free Cog Repeat

C20a. Repeat 5 words

watch, car, scarf, pen, house.

Let the participant repeat those words up to 3 times. He/she will be asked to recall them shortly.

Repeat:

① watch ② car ③ scarf ④ pen ⑤ house

- No score, record responses, allow up to 3 attempts.

### Free Cog Spell "PLATE" backwards

C21. Spell "Plate" backwards.

Check first they can spell "plate" (correct if wrong) then ask to spell it backwards.

- Score 2 = 5 or 4 letters in correct order; • Score 1 = 3 or 2 letters in correct order; • Score 0 = 1 or 0 letters in the correct order.

C21a. First letter - E

- 0: Wrong answer    1: Correct answer  
 ND

C21b. Second letter - T

- 0: Wrong answer    1: Correct answer  
 ND

C21c. Third letter - A

- 0: Wrong answer    1: Correct answer  
 ND

C21d. Fourth letter - L

- 0: Wrong answer    1: Correct answer  
 ND

C21e. Fifth letter - P

- 0: Wrong answer    1: Correct answer  
 ND

**Free Cog Recall 5 words repeated above (watch, car, scarf, pen, house)**

Recall 5 words repeated above (watch, car, scarf, pen, house) • Score 1 point for each correct answer

C22. What are the 5 memorised words?

Record responses

• Score 1 point for each correct answer: watch, car, scarf, pen, house

- 0: 0-correct  
 1: 1-correct  
 2: 2-correct  
 3: 3-correct  
 4: 4-correct  
 5: 5-correct

**Free Cog Executive function**

These questions are to test the person's ability to plan and describe sequences. Scoring is based on clinical judgement, non-leading clarifying questions may be asked if answers are tangential/ circumstantial.

• Score 1 point for each correct answer

## ▶ Social

C23a. You have bought a birthday card and want to send it by post - tell me how you would do it?

- 0 = Incomplete answer (i.e. card would not arrive)  
 1 = Complete enough for the card to arrive

## ▶ Travel

C23b. If you were going to take a bus (or train) what would you need?

- 0 = If they fail to mention ticket or bus pass  
 1 = If answer indicates need for a ticket or bus pass

## ▶ Home

C23c. Could you tell me how you would make a cup of tea or coffee for yourself?

- 0 = If answer does not lead to a drinkable cup of tea/coffee  
 1 = If answer leads to a drinkable cup of tea/coffee

## ▶ Emergency

C23d. If you discovered a fire at home, what would you do?

- 0 = If answer is inappropriate and indicates the person would NOT be safe in their response  
 1 = If answer indicates the person would be appropriate and safe in their response

## ▶ Care

C23e. Could you tell me the steps you took in order to get dressed as you are today?

- 0 = Incomplete and seems inconsistent with the clothing they are wearing  
 1 = Plausible story, consistent with the clothes they are wearing

**C24. Free-Cog Totals**

C24. Fc FREE Cog & telephone FREE Cog test - (FREE Cog) - Score will automatically be calculated.

- Total FREE Cog. ( / 30)
- Total @Telephonic FREE Cog: ( / 21)

Thank you for taking the FREE Cog assessment.

**Section F: Cognition test Domain totals.** ☆**Section I: Assessment stopped or/and questions skipped**

I1a. If you have stopped the assessment before the end, or skipped questions, please indicate why

- Participant fatigued
- Participant has dementia or cognitive problems
- Participant has visual impairment
- Participant unable to write
- Participant has dysphasia
- Participant struggled to concentrate
- Visit/session was interrupted
- Researcher time constraints
- Participant was discharged prior to completion
- Other (please specify)

I1b. If 'other', please specify reason

\_\_\_\_\_

**Section J: Assessor information**

J1. Please enter the name of the person who collected the information

\_\_\_\_\_

J2a. What is his/her professional role?

- Doctor
- Research coordinator
- Nurse, clinical
- Research nurse
- Physiotherapist
- Occupation therapist
- Speech & Language therapist
- Other

J2b. If "Other", please specify role

\_\_\_\_\_

J3. Does his/her role involve working on stroke wards?

- Yes  No

J4. Please enter your name if you did not collect the information

\_\_\_\_\_

---

J5. Please sign the form

\_\_\_\_\_  
(🖋️ Signature)

---

⚠️ Please Sign the form.

### Assessment completed

J6. Date & time assessment completed?

Enter date and time the assessment was completed. \_\_\_\_\_

This will be used to monitor the time required to complete the test.

### Comments and full explanation for missing data

Are any values missing due to tests not done (or measures not taken), or because data are unknown and every effort has been made to find the data - i.e. 'Not done' / 'Not known'?

- Yes  
 No

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If any values are missing, please provide a full explanation  Comments