ADDENBROOKE'S COGNITIVE EXAMINATION - ACE-R
Final Revised Version A (May 2004) - Australian Version

Name: __________________________
Date of birth: ____________________
Hospital no.: ____________________

Date of testing: __________/_______/_______
Tester's name: ______________________
Age at leaving full-time education: ______________________
Occupation: ________________________
Handedness: ________________________

Addressograph

ORIENTATION

➢ Ask: What is the Day
➢ Ask: Which Building
➢ Score 0-5

➢ Ask: Which Date
➢ Ask: Which Month
➢ Score 0-5

➢ Ask: Which Year
➢ Ask: Which Season
➢ Score 0-5

REGISTRATION

➢ Tell: 'I'm going to give you three words and I'd like you to repeat after me: lemon, key and ball'. After subject repeats, say 'Try to remember them because I'm going to ask you later'. Score only the first trial (repeat 3 times if necessary).

Register number of trials _________

ATTENTION & CONCENTRATION

➢ Ask the subject: 'could you take 7 away from a 100? After the subject responds, ask him or her to take away another 7 to a total of 5 subtractions. If subject make a mistake, carry on and check the subsequent answer (i.e. 93, 84, 77, 70, 63 -score 4)

Stop after five subtractions (93, 86, 79, 72, 65). _________ _________ _________ _________ _________

➢ Ask: 'could you please spell WORLD for me? Then ask him/her to spell it backwards:

_____________  ______________  ______________

M EMOR Y - Recall

➢ Ask: 'Which 3 words did I ask you to repeat and remember?'

_____________  ______________  ______________

M EMOR Y - Anterograde Memory

➢ Tell: 'I'm going to give you a name and address and I'd like you to repeat after me. We'll be doing that 3 times, so you have a chance to learn it. I'll be asking you later'

Score only the third trial

<table>
<thead>
<tr>
<th>1st Trial</th>
<th>2nd Trial</th>
<th>3rd Trial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harry Barnes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>73 Market Street</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rockhampton</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Queensland</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

M EMOR Y - Retrograde Memory

➢ Name of current Prime Minister
➢ Name of the Premier of New South Wales
➢ Name of the USA president
➢ Name of the USA president who was assassinated in the 1960s

Score 0 -4
**VERBAL FLUENCY - Letter 'P' and animals**

### Letters

Say: 'I’m going to give you a letter of the alphabet and I’d like you to generate as many words as you can beginning with that letter, but not names of people or places. Are you ready? You’ve got a minute and the letter is P'.

### Animals

Say: 'Now can you name as many animals as possible, beginning with any letter?'

**LANGUAGE - Comprehension**

Show written instruction:

> Close your eyes

**3 stage command:**

'Take the paper in your right hand. Fold the paper in half. Put the paper on the floor'

**LANGUAGE - Writing**

Ask the subject to make up a sentence and write it in the space below:

Score 1 if sentence contains a subject and a verb (see guide for examples)
**LANGUAGE - Repetition**

- Ask the subject to repeat: 'hippopotamus'; 'eccentricity'; 'unintelligible'; 'statistician'
  - Score 2 if all correct; 1 if 3 correct; 0 if 2 or less.

- Ask the subject to repeat: ‘Above, beyond and below’

- Ask the subject to repeat: ‘No ifs, ands or buts’

**LANGUAGE - Naming**

- Ask the subject to name the following pictures:

  [Images of various objects such as a pencil, a watch, a kangaroo, an anchor, a camel, a harp, a rhinoceros, a barrel, a crown, and an accordion.]

  - [Score 0-2] pencil + watch
  - [Score 0-10] (remainder of objects)

**LANGUAGE - Comprehension**

- Using the pictures above, ask the subject to:
  - Point to the one which is associated with the monarchy
  - Point to the one which is a marsupial
  - Point to the one which is found in the Antarctic
  - Point to the one which has a nautical connection

  - [Score 0-4]
LANGUAGE - Reading

➤ Ask the subject to read the following words: [Score 1 only if all correct]

- sew
- pint
- soot
- dough
- height

VISUOSPATIAL ABILITIES

➤ Overlapping pentagons: Ask the subject to copy this diagram:

[Score 0-1]

➤ Wire cube: Ask the subject to copy this drawing (for scoring, see instructions guide)

[Score 0-2]

➤ Clock: Ask the subject to draw a clock face with numbers and the hands at ten past five. (for scoring see instruction guide: circle = 1, numbers = 2, hands = 2 if all correct)

[Score 0-5]
> Ask the subject to count the dots without pointing them

[Score 0-4]
PERCEPTUAL ABILITIES

➢ Ask the subject to identify the letters

RECALL

➢ Ask “Now tell me what you remember of that name and address we were repeating at the beginning”

Harry Barnes
73 Market Street
Rockhampton
Queensland

RECOGNITION

➢ This test should be done if subject failed to recall one or more items. If all items were recalled, skip the test and score 5. If only part is recalled start by ticking items recalled in the shadowed column on the right hand side. Then test not recalled items by telling “ok, I’ll give you some hints: was the name X, Y or Z?” and so on. Each recognised item scores one point which is added to the point gained by recalling.

Jerry Barne
37 Market Road
Margate
Queensland

Harry Barnes
73 Market Street
Rockhampton
New South Wales

Harry Bradford
76 Market Street
Cairns
Victoria

General Scores

<table>
<thead>
<tr>
<th>Score 0-4</th>
<th>Score 0-7</th>
<th>Score 0-5</th>
</tr>
</thead>
</table>

MMSE /30
ACE-R /100

SCORES

Subscores

Attention and Orientation /18
Memory /26
Fluency /14
Language /26
Visuospatial /16