

ADDENBROOKE'S COGNITIVE EXAMINATION - ACE-R

Final Revised Version A (May 2004) - Australian Version

| | |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Name : Date of birth : Hospital no. : <p style="text-align: center;"><i>Addressograph</i></p> | Date of testing: /..... /..... Tester's name: Age at leaving full-time education: Occupation: Handedness: |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

| ORIENTATION | | | | | | | [Score 0-5] <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="checkbox"/> | A T T E N T I O N & O R I E N T A T I O N |
|--------------------|----------|-------|-------|-------|---------|--|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| ➤ Ask: What is the | Day | Date | Month | Year | Season | | | |
| | | | | | | | | |
| ➤ Ask: Which | Building | Floor | Town | State | Country | | | |
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| REGISTRATION | [Score 0-3] <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="checkbox"/> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| ➤ 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 | [Score 0-5] <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="checkbox"/> <small>(for the best performed task)</small> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ➤ 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: | |

| MEMORY - Recall | [Score 0-3] <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="checkbox"/> |
|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| ➤ Ask: 'Which 3 words did I ask you to repeat and remember?' | |

| MEMORY - Anterograde Memory | [Score 0-7] <input style="width: 20px; height: 15px;" type="text"/> | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|--------------|-------|-------|-------|------------------|-------|-------|-------|-------------|-------|-------|-------|------------|-------|-------|-------|--|
| ➤ 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 border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th style="width: 33%;">1st Trial</th> <th style="width: 33%;">2nd Trial</th> <th style="width: 33%;">3rd Trial</th> </tr> <tr> <td>Harry Barnes</td> <td>.....</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>73 Market Street</td> <td>.....</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>Rockhampton</td> <td>.....</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>Queensland</td> <td>.....</td> <td>.....</td> <td>.....</td> </tr> </table> | | 1 st Trial | 2 nd Trial | 3 rd Trial | Harry Barnes | | | | 73 Market Street | | | | Rockhampton | | | | Queensland | | | | |
| | 1 st Trial | 2 nd Trial | 3 rd Trial | | | | | | | | | | | | | | | | | | |
| Harry Barnes | | | | | | | | | | | | | | | | | | | | | |
| 73 Market Street | | | | | | | | | | | | | | | | | | | | | |
| Rockhampton | | | | | | | | | | | | | | | | | | | | | |
| Queensland | | | | | | | | | | | | | | | | | | | | | |

| MEMORY - Retrograde Memory | [Score 0 -4] <input style="width: 20px; height: 15px;" type="text"/> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| ➤ 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 | |

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Y

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.

[Score 0-2]

➤ Ask the subject to repeat: **'Above, beyond and below'**

[Score 0-1]

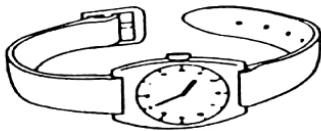
➤ Ask the subject to repeat: **'No ifs, ands or buts'**

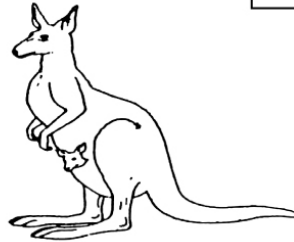
[Score 0-1]

LANGUAGE - Naming

➤ Ask the subject to name the following pictures:

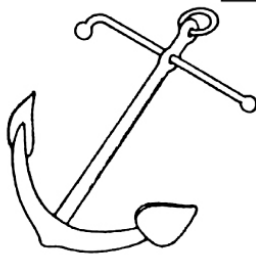


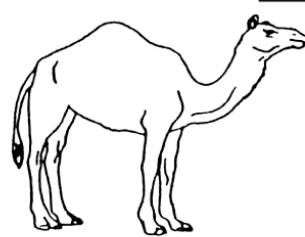




[Score 0-2]
 pencil +
 watch

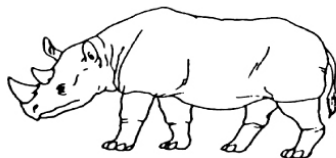






[Score 0-10]

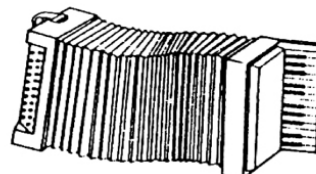












LANGUAGE - Comprehension

➤ 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]

E
G
A
U
G
A
N
L

LANGUAGE - Reading

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

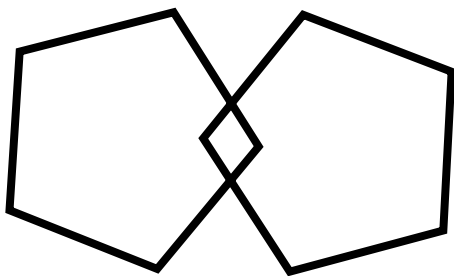
sew
pint
soot
dough
height

[Score 0-1]

L
A
N
G
U
A
G
E

VISUOSPATIAL ABILITIES

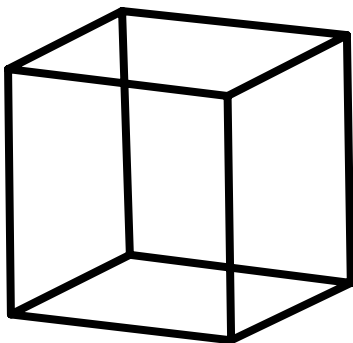
➤ Overlapping pentagons: Ask the subject to copy this diagram:



[Score 0-1]

L
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T
I
T
A
T
I
O
N

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



[Score 0-2]

P
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R
T
I
C
I
P
A
N
T

➤ 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)

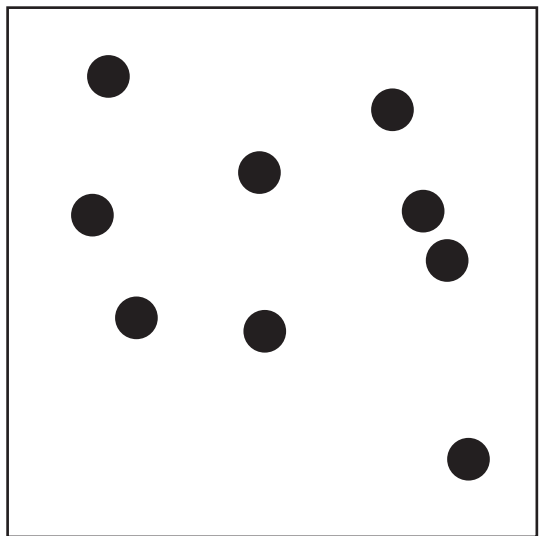
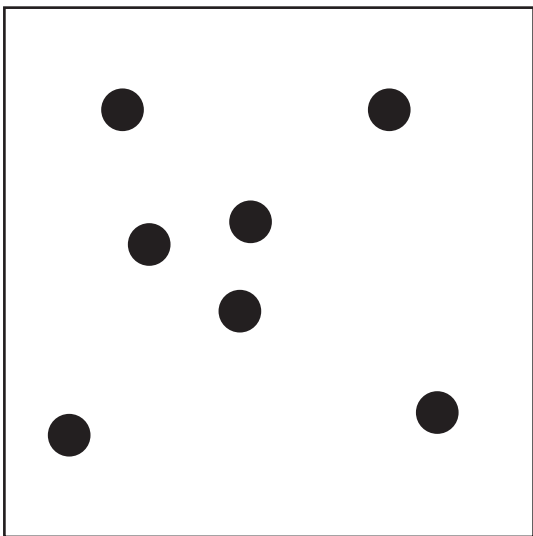
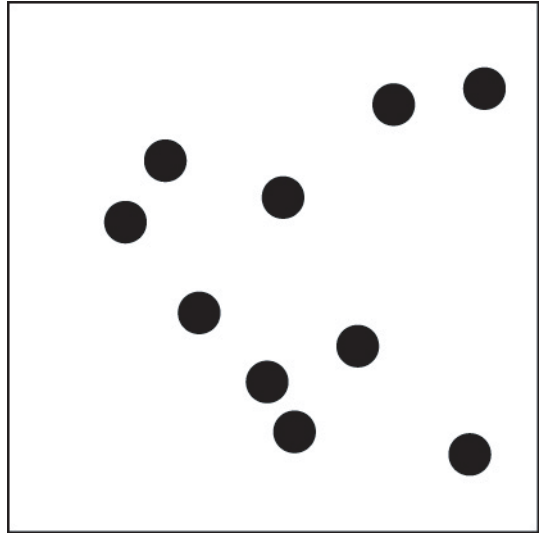
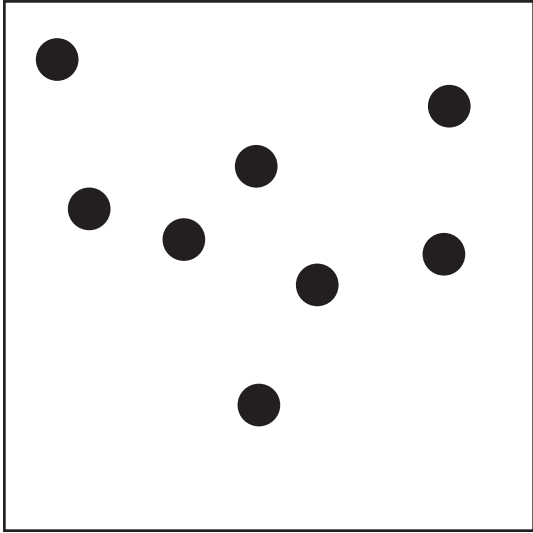
[Score 0-5]

V

PERCEPTUAL ABILITIES

➤ Ask the subject to count the dots without pointing them

[Score 0-4]



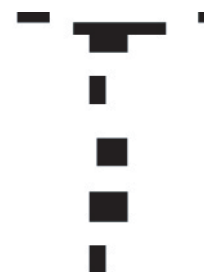
L
A
T
A
P
S
O
U
S
I
V

PERCEPTUAL ABILITIES

➤ Ask the subject to identify the letters

[Score 0-4]





V I S U O S P A T I A L

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

.....
.....
.....
.....

[Score 0-7]

Y
R
O

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.

[Score 0-5]

| | | | | | | |
|-------------|--|-----------------|--|----------------|--|----------|
| Jerry Barne | | Harry Barnes | | Harry Bradford | | recalled |
| 37 | | 73 | | 76 | | recalled |
| Market Road | | Martin Street | | Market Street | | recalled |
| Margate | | Rockhampton | | Cairns | | recalled |
| Queensland | | New South Wales | | Victoria | | recalled |

M
E
M

General Scores

MMSE /30

ACE-R /100

Subscores

Attention and Orientation /18

Memory /26

Fluency /14

Language /26

Visuospatial /16

E
R
O
C
S