

## JOHNS HOPKINS ADAPTED COGNITIVE EXAM

Offer four Yes or No options for each ACE question, offering all at first without response, then repeating each one and waiting for responses. The standardized Yes or No options are provided with each question below. Scoring scheme for multiple choice questions is as follows: 0 = inappropriate response 1= vastly incorrect choice 2= slightly incorrect choice, and 3= correct choice. If a patient is unable to respond at all for any question, rate this as UN, not as 0.

### **ORIENTATION**

						SCORES
Is the year	0) blue	1) 1842	2) 2003	3) current year		
Is the season	1) Tuesday	2) next season	3) correct season	0) peanut		
Is the month	2) next month	3) this month	0) apple	1) 6 months ago		
Is the date of the month	3) today	0) school	1) February 30 <sup>th</sup>	2) 2 days prior		
Is the day of the week	1) 3 days prior	2) tomorrow	3) today	0) pencil		
Is the country we are in	2) Canada	3) USA	0) zipper	1) Africa		
Is the state we are in	3) correct state	0) banana	1) another country	2) some other state		
Is the city we are in	1) some other country	2) A neighboring city	3) correct city	0) piano		
The building we are in is a	0) igloo	1) your house	2) nursing home	3) hospital		
Within this building, we are in a	0) kazoo	3) ICU	1) cafeteria	2) operating room		
<b>Orientation TOTAL</b>						
(30 max)						

### **LANGUAGE**

Am I pointing to a (pen)	0) smile	3) pen	1) paper clip	2) magic marker	
Is it used for	0) giraffe	2) erasing	1) cooking	3) writing	
Am I pointing to (wristwatch)	1) sailboat	3) wristwatch	0) delicious	2) a bracelet	
Is it used for	3) telling time	1) dancing	0) alligator	2) telling the year	
Ask the patient to follow a 3 stage command ( <i>Example: Take the pen in your left hand, remove the cap, and then place the pen on the bed.</i> )					
<i>Scoring: 0 points for no action, 1 point for following one command, 2 additional points for following 2 commands, and 3 additional points for following all 3 (Total possible points=6). Score any other three stage commands similarly, with this progressive point reward.</i>					
Ask the patient to read and obey the written command "Raise Your Arms".					
<i>Scoring: 0 points for no action, 1 point for inappropriate action, 2 points for incorrect action such as raising one arm or leg(s), 3 points for raising both arms. (Total possible points = 3). Hemiparetic patients may be asked to lift legs or blink eyes instead.</i>					
<b>Language TOTAL</b>					
(21 max)					

### **REGISTRATION**

Show the patient a sequence of three sets of fingers: (2 fingers, then 1 finger, then 4 fingers). Have the patient repeat the same sequence with their fingers					
<i>Scoring: 0 points if no correct response, 1 point if only 1 correct, 2 additional points if 2 correct, 3 additional points if all 3 correct for (Total possible points = 6).</i>					
<b>Registration TOTAL</b>					
(6 max)					

### **ATTENTION AND CALCULATION**

Using flash cards and three options of correct answers, ask patient to select correct answer to:	1+1= (1, 2, 11) for 2 points, 13+21= (15, 8, 34) for 5 points, and 6 x 4= (10, 2, 24) for 7 points	
Ask the patient to match a picture (using the flash cards) to the correct word	Show feather picture followed by options: cow (0), bird (2), feather (4) Show chair picture with options: snake (0), table (2), chair (4).	
<b>Attention/Calculation TOTAL</b>		
(22 max)		

### **RECALL**

Ask the patient to repeat the sequence of fingers held up in the registration section.		
<i>Scoring: 0 points if 0 correct response, 2 points for each correct number regardless of correct position and 2 points for each correct position of the correct number. (Total of 12 points if patient gets all three numbers correct in the correct order).</i>		
Ask the patient to recall and perform the previous verbal 3 stage command		6 points (no partial credit)
Ask the patient to recall and perform and perform the previous written command ("Raise your arms")		3 points (no partial credit)
<b>Recall TOTAL</b>		
(21 max)		

TOTAL ACE SCORE (Max 100)

**1**

**+**

**1**

**=**

**1**

$$13 + 21 = \underline{\hspace{2cm}}$$

$$6 \times 4 = \underline{\quad}$$

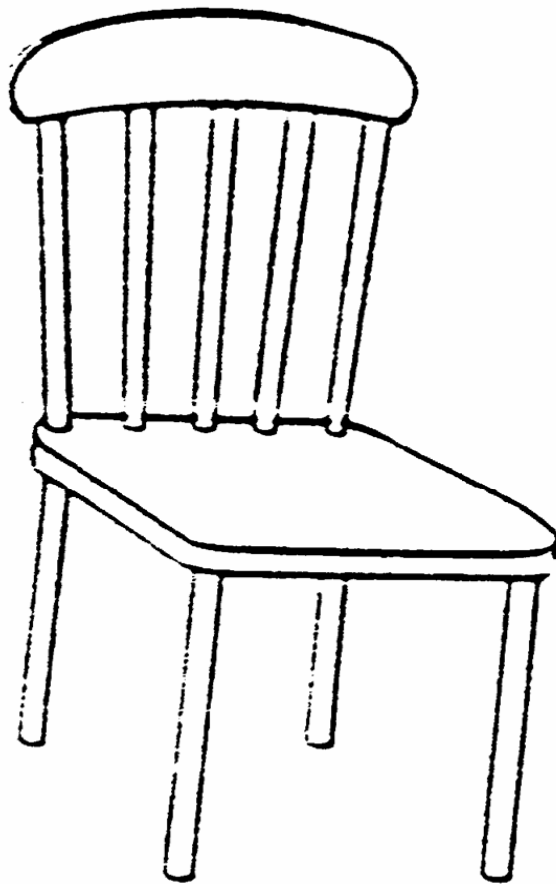


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**COW**

**BIRD**

**FEATHER**



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**SNAKE**

**TABLE**

**CHAIR**