

Pantomime of tool use

Name: A.B.

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Instruction: "Show me ..."

No.	Pantomime	Grip and movement	Production	Execution	BPO
0.1	how to eat with a fork	G: pincer grip or tight lateral grip M: from table to mouth O: fingers directed to the mouth without touching it	do not evaluate <i>The patient had to imitate</i>	do not evaluate	yes/no
0.2	how to open a wine bottle with a corkscrew	G: cylinder grip M: repeated rotating movement from the wrist O: hand pointing downwards	do not evaluate	do not evaluate	yes/no
0.3	how to saw with a saw	G: tight cylinder grip with arm in vertical position M: repetitive, big amplitude movement O: sagittal level	do not evaluate	do not evaluate	yes/no
1	how to hit a nail with a hammer	G: tight cylinder or lateral grip M: up and down movement from the elbow O: movement has to stop before touching the table	① ① ①	<input checked="" type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> 0	yes/no
2	how to write with a pencil	G: pincer grip M: repetitive small amplitude movement parallel to the table O: distance of the fingers from the table	① ① ①	<input type="checkbox"/> 2 <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 0	yes/no
3	how to iron with a flat iron	G: tight cylinder grip with pronated arm (hand pointing downwards, thumb to the body) M: big amplitude movement parallel to the table O: distance from the table	① ① ①	<input checked="" type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> 0	yes/no
4	how to look through binoculars	G: wide cylinder grip, back of the hand hand points outwards, distance between thumb and index finger M: movement towards the eyes O: distance to the eyes	✗ ① ①	<input type="checkbox"/> 2 <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 0	yes/no

No.	Pantomime	Grip and movement	Production	Execution	BPO
5	how to screw in a light bulb	G: spherical grip (room for bulb) M: repetitive rotation of the forearm around the longitudinal axis O: hand pointing away from the body	1 1 1	<input type="checkbox"/> 2 <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 0	yes/no
6	how to cut paper with scissors	G: fingers angled with opposition of the thumb M: opening and closing movement vertical to the table O: forward movement of the hand	1 1 1	<input type="checkbox"/> 2 <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 0	yes/no
7	how to open a lock with a key	G: lateral grip M: rotation of the forearm around the longitudinal axis O: sagittal forward	1 1 1	<input checked="" type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> 0	yes/no
8	how to stir the coffee with a spoon	G: pincer grip showing downwards M: repeated rotating movement from the wrist O: distance to the table	1 1 1	<input type="checkbox"/> 2 <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 0	yes/no
Sum			22	9	
no apraxia			22-24	12-16	
mild apraxia			20-21	10-11	
moderate apraxia			15-19	7-9	
severe apraxia			0-14	0-6	

Number of BPO-errors: 2 corrected: 1

(There are no further evaluation scales for BPO use, because the use of BPO is taken into account in the Execution and Production Scale. The frequency of a BPO strategy provides information about the presence of this special error-type. Please note that there are items that are prone to BPO use even in healthy adults as indicated by a bold "yes" in the BPO column. Healthy adults correct these errors in second try so it is pathological if the patient is not able to correct his BPO error. And there are items for which BPO use is rather pathological as indicated by a bold "no" in the BPO column.)

Notes:
The patient had moderate difficulties to execute the pantomimes immediately. In second attempt he mostly was able to show the correct pantomime.