

**ALTERNATIVE SCORING HIERARCHY FOR HAND ITEMS ON THE MOTOR ASSESSMENT SCALE FOR STROKE
HAND ACTIVITIES**

Patient's Name: _____ Date Tested: _____ SCORE: _____

Score is determined by the most difficult behavior the patient can perform.
Scores may range from 0 (inability to perform the easiest activity) to 6 (ability to perform the most difficult activity)

Score	Behavior	Criteria to pass	Pass	Fail
0.75	Move paper with affected hand. (paper placed in portrait orientation; bottom edge 6" from table edge)	Patient must move the paper with the affected hand. Fingers may be flexed or extended.		
1.5	Any independent thumb motion to depress key on universal remote control.	Patient uses any independent thumb motion to depress any key on the universal remote control. The light will come on if the patient is successful.		
2.25	Pick up penny by sliding to edge of table (penny placed at midline, 12" from table edge)	Patient slides penny to the edge of the table and picks up the penny. Lateral pinch, in which the thumb contacts the lateral side of the index finger, is acceptable.		
3.0	Pick up and release standard pencil- flat on table. (pencil placed parallel at midline, 12" from table edge)	Patient must pick up the pencil, using pad to pad pinch.		
3.75	Pick up penny (no sliding allowed) and place in the cup (cup is placed at midline, 12" from table edge; penny is 12" from table edge, 6" away from cup – on the tested side)	Patient picks up the coin without sliding and places it in the cup. Any grasp is acceptable as long as the patient does not slide the penny off the table.		
4.5	Draw one horizontal line on page between the two vertical lines. NO time requirement. (pencil oriented as in Item 3)	Patient draws one horizontal line between the two vertical lines on the page. Patient must pick up and hold the pencil using pad to pad pinch.		
5.25	Timed dots: make rapid, consecutive dots on paper-10 dots in 5 seconds. (pencil oriented as in Item 3)	Patient must make rapid dots on the paper – 10 dots in 5 seconds. Patient must pick up and hold the pencil using pad to pad pinch.		
6.0	Timed horizontal line; 10 lines in 20 seconds. (lines are drawn between the two vertical lines, as in Item 6. Pencil oriented as in Item 3)	In 20 seconds, the patient draws 10 lines between the two vertical lines on the paper while holding the pencil in a pad to pad pinch. Patient must pick up and hold the pencil using pad to pad pinch.		

Based on results of study reported in : Sabari, J.S., Woodbury, M., Velozo, C.A. (2014). Rasch analysis of a new hierarchical scoring system for evaluating hand function on the Motor Assessment Scale for Stroke, *Stroke Research and Treatment*, Volume 2014, Article ID 730298, 10 pages.