
GRASSP - 2 SCORESHEETS

SCORESHEETS

Position of Testing (Check One):

| Sitting upright in seating system | Sitting upright in bed | Half sitting in bed (head of bed up 45-60°) | Supine in bed |
|-----------------------------------|------------------------|---|---------------|
| | | | |

Subtest 1 – STRENGTH

| Right | Muscles | Left |
|-------|---------------------------------------|------|
| | M. deltoideus, pars acomialis | |
| | M. biceps brachii | |
| | M. triceps brachii | |
| | M.extensor carpi radialis long/brevis | |
| | M. extensor digitorum dig 3&4 | |
| | M. opponens pollicis | |
| | M. flexor pollicis longus | |
| | M. flexor digitorum profundus dig3 | |
| | M. abductor digiti minimi | |
| | M. interosseus dorsalis | |
| /50 | | /50 |

Grading for Strength Testing – Manual Muscle Testing (MMT)

- 0 - M0 - No palpable or visible muscle contraction
- 1 - M1 - Palpable or visible muscle contraction
- 2 - M2 - Moves full ROM with gravity eliminated¹
- 3 - M3 - Moves full ROM against gravity without added resistance¹
- 4 - M4 - Holds position of resistance against moderate resistance (moderate = more than M3, less than M5)
- 5 - M5 - Holds position of resistance against maximal resistance (relation to patient age/gender)

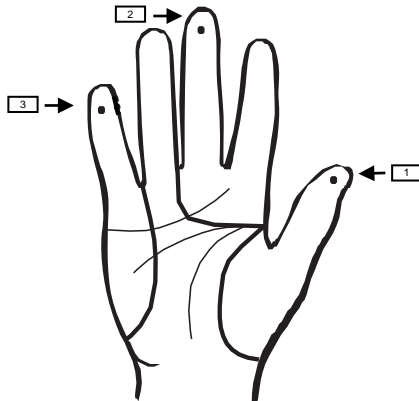
¹If available pROM = 50% or more of the expected pROM, it can be assessed as full pROM. Expected pROM defined in Table 2

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Subtest 2 - Sensation

| Right Hand | | | | | | | | Left Hand | | | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-------|
| Score | 3.61 (4) | 3.61 (4) | 3.61 (4) | 4.31 (3) | 4.56 (2) | 6.65 (1) | NR (0) | Area | 3.61 (4) | 3.61 (4) | 3.61 (4) | 4.31 (3) | 4.56 (2) | 6.65 (1) | NR (0) | Score |
| | | | | | | | | 1 | | | | | | | | |
| | | | | | | | | 2 | | | | | | | | |
| | | | | | | | | 3 | | | | | | | | |
| /12 | | | | | | | | | | | | | | | | /12 |

Diagram for Sensation Test Locations



COMMENTS

SCORESHEETS

Subtest 3 – Prehension Ability

| Right | Grasp Pattern | Left |
|-------|-------------------|------|
| | Cylindrical grasp | |
| | Lateral key pinch | |
| | Tip to tip pinch | |
| /12 | | /12 |

Prehension Ability, Instructions and Scoring

- 0 - Participant is not able to position the wrist or fingers in any specific pattern for the requested grasp.
- 1 - Participant is able to move the wrist actively with or without subsequent active or passive finger movements (wrist dominant), while the movement does not reflect the requested grasp pattern.
- 2 - Participant is able to partially or completely move the fingers actively into the requested prehension pattern but fails to generate force.
- 3 - Participant is able to actively position the fingers and thumb into the requested prehension pattern with normal wrist movement for a grasp, touching the opposite finger(s) or the palm with some force.
- 4 - Participant is able to perform the grasp with normal strength.

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Subtest 4 – Prehension Performance

| Right | | | Task Performance | Left | | |
|-------|-------|-------|---|------|-------|-------|
| Time | Score | Drops | | Time | Score | Drops |
| | | | 1. Take the bottle and pour the water into the cup, approx. $\frac{3}{4}$ full. Cylindrical grasp | | | |
| | | | 2. Pull the 9 pegs, one by one, out of the foam and stick them back into the holes on the opposite side. Tip to tip pinch | | | |
| | | | 3. Take the key from the table, insert it in the lock and turn it 90°. Lateral key pinch | | | |
| | | | 4. Pick up the 4 nuts, one by one, from the table and screw them on the matching screws. Tip to tip pinch and/or tripod pinch | | | |
| | /20 | | | | /20 | |

Scoring for Prehension Performance

Scoring (a maximum of 1 minute and 15 seconds is allowed for each task)

- 0 - the task can not be conducted at all
- 1 - the task can not be completed, (less than 50% of the task).
- 2 - the task is not completed, (50% or more of the task).
- 3 - the task is conducted (completed) using tenodesis or an alternative grasp other than the expected grasp.
- 4 - the task is conducted using the expected grasp with difficulty (lack of smooth movement or difficult slow movement).
- 5 - the task is conducted without difficulties using the expected grasping pattern and unaffected hand function.