**SCI Functional Ambulation Inventory**

Adapted from Field-Fote EC et al. The Spinal Cord Injury Functional Ambulation Inventory (SCI-FAI), J Rehabil Med, 33: 177-81, 2001; Appendix A. Used with permission from Taylor & Francis.

The gait parameter component is scored out of 20, 10 points for each of the right and left sides. The assistive device component is scored out of 14 (7 points for each side), and assesses upper and lower extremities in addition to the left and right limbs. In the walking mobility component, subjects are asked about their walking frequency on a scale of 0 to 5 (0 = does not walk; 5 = regularly walks in community). The distance walked in two minutes is also measured. Walking can be videotaped for later evaluation.

SCI-FAI Worksheet:

Patient Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Parameter:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Criterion** | **L** | **R** |
| A. Weight shift | Shifts weight to stance limb  Weight shift absent or only onto assistive device | 1  0 | 1  0 |
| B. Step width | Swing foot clears stance foot on limb advancement  Stance foot obstructs swing foot on limb advancement  Final foot placement does not obstruct swing limb  Final foot placement obstructs swing limb | 1  0  1  0 | 1  0  1  0 |
| C. Step rhythm (relative time needed to advance swing limb) | *At heel strike of stance limb, the swing limb*: Begins to advance in <1 second *or*  Requires 1–3 seconds to begin advancing *or* Requires >3 seconds to begin advancing | 2  1  0 | 2  1  0 |
| D. Step height | Toe clears floor throughout swing phase *or*  Toe drags at initiation of swing phase only *or*  Toe drags throughout swing phase | 2  1  0 | 2  1  0 |
| E. Foot contact | Heel contacts floor before forefoot *or*  Forefoot or foot flat first contact with floor | 1  0 | 1  0 |
| F. Step length | Swing heel placed forward of stance toe *or*  Swing toe placed forward of stance toe *or*  Swing toe placed rearward of stance toe | 2  1  0 | 2  1  0 |

\*L and R denote left and right foot

Sum for left foot: \_\_\_\_\_\_\_

Sum for right foot: \_\_\_\_\_\_\_

Parameter total (/20):\_\_\_\_\_\_\_

**Assistive Devices**

|  |  |  |  |
| --- | --- | --- | --- |
| **Assistive Devices** |  | **L** | **R** |
| Upper extremity balance/weightbearing devices | None  Cane(s)  Quad cane(s), crutch(es) (forearm/axillary)  Walker  Parallel bars | 4  3  2  2  0 | 4  3  2  2  0 |
| Lower extremity assistive devices | None  Ankle-foot orthosis  Knee-ankle-foot orthosis  Reciprocating gait orthosis | 3  2  1  0 | 3  2  1  0 |

Sum for left foot: \_\_\_\_\_\_\_

Sum for right foot: \_\_\_\_\_\_\_

Assistive devices total (/14):\_\_\_\_\_\_\_

**Temporal/Distance Measures**

|  |  |  |
| --- | --- | --- |
| Walking mobility (typical walking practice as opposed to W/C use) | *Walks ...* Regularly in community (rarely/never use W/C) Regularly in home/occasionally in community  Occasionally in home/rarely in community  Rarely in home/never in community  For exercise only  Does not walk  Walking mobility score = ………………………………...🡪 | 5  4  3  2  1  0  \_\_\_ |
| Two-minute walk test (distance walked in 2 minutes) | Distance walked in 2 minutes = ……………………….🡪 (metres / minute) | \_\_\_ |

Walking mobility total (/5):\_\_\_\_\_\_\_