SCI Functional Ambulation Inventory

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	4	4
	Cane(s)	3	3
	Quad cane(s), crutch(es) (forearm/axillary)	2	2
	Walker	2	2
	Parallel bars	0	0
Lower extremity assistive devices	None	3	3
	Ankle-foot orthosis	2	2
	Knee-ankle-foot orthosis	1	1
	Reciprocating gait orthosis	0	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)	5
	Regularly in home/occasionally in community	4
	Occasionally in home/rarely in community	3
	Rarely in home/never in community	2
	For exercise only	1
	Does not walk	0
	Walking mobility score = ……………………………..→	__
Two-minute walk test (distance walked in 2 minutes)	Distance walked in 2 minutes = ………………………→ (metres / minute)	__

Walking mobility total (/5):_____