

Appendix V: Amputee Mobility Predictor (AMP) scoring form¹⁹

Amputee Mobility Predictor Questionnaire

Initial instructions: Testee is seated in a hard chair with arms. The following maneuvers are tested with or without the use of the prosthesis. Advise the person of each task or group of tasks prior to performance. Please avoid unnecessary chatter throughout the test. Safety first, no task should be performed if either the tester or testee is uncertain of a safe outcome.

The Right Limb is: ☺ PF ☺ TT ☺ KD ☺ TF ☺ HD ☺ intact. The Left Limb is: ☺ PF ☺ TT ☺ KD ☺ TF ☺ HD ☺ intact.

1. Sitting balance: sit forward in a chair with arms folded across chest for 60s.	Cannot sit upright independently for 60s Can sit upright independently for 60s	=0 =1	_____
2. Sitting reach: reach forward and grasp the ruler. (Tester holds ruler 12in beyond extended arms midline to the sternum.)	Does not attempt Cannot grasp or requires arm support Reaches forward and successfully grasps item	=0 =1 =2	_____
3. Chair to chair transfer: 2 chairs at 900. Pt may choose direction and use their upper extremities.	Cannot do or requires physical assistance Performs independently, but appears unsteady Performs independently, appears to be steady and safe	=0 =1 =2	_____
4. Arises from a chair: ask pt to fold arms across chest and stand. If unable, use arms or assistive device.	Unable without help (physical assistance) Able, uses arms/assistive device to help Able, without using arms	=0 =1 =2	_____
5. Attempts to arise from a chair (stopwatch ready): if attempt in no. 4 was without arms then ignore and allow another attempt without penalty.	Unable without help (physical assistance) Able requires >1 attempt Able to rise 1 attempt	=0 =1 =2	_____
6. Immediate standing balance (first 5s): begin timing immediately.	Unsteady (staggers, moves foot, sways) Steady using walking aid or other support Steady without walker or other support	=0 =1 =2	_____
7. Standing balance (30s) (stopwatch ready): For items nos. 7 & 8, first attempt is without assistive device. If support is required, allow after first attempt.	Unsteady Steady but uses walking aid or other support Standing without support	=0 =1 =2	_____
8. Single-limb standing balance (stopwatch ready): time the duration of single limb standing on both the sound and prosthetic limb up to 30s. Grade the quality, not the time.	Nonprosthetic side Unsteady Steady but uses walking aid or other support for 30s Single-limb standing without support for 30s	=0 =1 =2	_____
Sound side ____seconds	Prosthetic Side Unsteady Steady but uses walking aid or other support for 30s Single-limb standing without support for 30s	=0 =1 =2	_____
Prosthetic side ____seconds			
9. Standing reach: reach forward and grasp the ruler. (Tester holds ruler 12in beyond extended arm(s) midline to the sternum.)	Does not attempt Cannot grasp or requires arm support on assistive device Reaches forward and successfully grasps item no support	=0 =1 =2	_____
10. Nudge test (subject at maximum position #7): with feet as close together as possible, examiner pushes firmly on subject's sternum with palm of hand 3 times (toes should rise).	Begins to fall Staggers, grabs, catches self, or uses assistive device Steady	=0 =1 =2	_____

Content has been excerpted from Gailey RS, Roach KE, Applegate EB, et al. The amputee mobility predictor: an instrument to assess determinants of the lower-limb amputee's ability to ambulate. *Arch Phys Med Rehabil.* 2002;83(5):613-627.

11. Eyes closed (at maximum position #7): if support is required grade as unsteady.	Unsteady or grips assistive device	=0	
	Steady without any use of assistive device	=1	_____
12. Picking up objects off the floor (pick up a pencil off the floor placed midline 12in in front of foot).	Unable to pick up object and return to standing	=0	
	Performs with some help (table, chair, walkingaid, etc)	=1	_____
	Performs independently (without help from object or person)	=2	_____
13. Sitting down: ask pt to fold arms across chest and sit. If unable, use arm or assistive device.	Unsafe (misjudged distance, falls into chair)	=0	
	Uses arms, assistive device, or not a smooth motion	=1	
	Safe, smooth motion	=2	_____
14. Initiation of gait (immediately after told to "go").	Any hesitancy or multiple attempts to start	=0	
	No hesitancy	=1	
15. Step length and height: walk a measured distance of 12ft twice (up and back). Four scores are required or 2 scores (a & b) for each leg. "Marked deviation" is defined as extreme substitute movements to permit clearing the floor.	a. Swing foot		
	Does not advance a minimum of 12in	= 0	
	Advances a minimum of 12in	= 1	_____
b. Foot clearance			Prosthesis Sound
	Foot does not completely clear floor without deviation	= 0	
	Foot completely clears floor without marked deviation	= 1	_____
16. Step continuity.	Stopping or discontinuity between steps (stop & go gait)	= 0	Prosthesis Sound
	Steps appear continuous	= 1	_____
17. Turning: 1800 turn when returning to chair.	Unable to turn, requires intervention to prevent falling	= 0	
	Greater than 3 steps but completes task without intervention	= 1	
	No more than 3 continuous steps with or without assistive aid	= 2	_____
18. Variable cadence: walk a distance of 12ft fast as safely as possible 4 times. (Speeds may vary from slow to fast and fast to slow, varying cadence.)	Unable to vary cadence in a controlled manner	= 0	
	Asymmetrical increase in cadence controlled manner	= 1	
	Symmetrical increase in speed in a controlled manner	= 2	_____
19. Stepping over obstacle: place a movable box of 4in. in height in the walking path.	Cannot step over the box	= 0	
	Catches foot, interrupts stride	= 1	
	Steps over without interrupting stride	= 2	_____
20. Stairs (must have at least 2 steps): try to go up and down these stairs without holding on to the railing. Don't hesitate to permit pt to hold on to rail. Safety first, if examiner feels that any risk in involved omit and score as 0.	Ascending		
	Unsteady, cannot do	= 0	
	One step at a time, or must hold on to railing or device	= 1	
	Steps over step, does not hold onto the railing or device	= 2	_____
	Descending		
	Unsteady, cannot do	= 0	
	One step at a time, or must hold on to railing or device	= 1	
	Steps over step, does not hold onto the railing or device	= 2	_____
21. Assistive device selection: add points for the use of an assistive device if used for 2 or more items. If testing without prosthesis use of appropriate assistive device is mandatory.	Bed bound	= 0	
	Wheelchair	= 1	
	Walker	= 2	
	Crutches (axillary or forearm)	= 3	
	Cane (straight or quad)	= 4	
	None	= 5	_____

	AMPPro	AMPnoPro
K0	N/A	0-8
K1	15-26	9-20
K2	27-36	21-28
K3	37-42	29-36
K4	43-47	37-43

Total Score **0** /47 K level = _____

Trial ☺ no prosthesis ☺ with prosthesis Observer _____

Date _____ Abbreviation: PF, partial foot; TT, transtibial; KD, knee disarticulation;

TF, transfemoral; HD, hip disarticulation; Pt, patient.

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