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SHORT PHYSICAL PERFORMANCE BATTERY PROTOCOL AND SCORE SHEET

All of the tests should be performed in the same order as they are presented in this protocol. Instructions to the participants are shown in bold italic and should be given exactly as they are written in this script.

1. BALANCE TESTS

The participant must be able to stand unassisted without the use of a cane or walker. You may help the participant to get up.

Now let's begin the evaluation. I would now like you to try to move your body in different movements. I will first describe and show each movement to you. Then I'd like you to try to do it. If you cannot do a particular movement, or if you feel it would be unsafe to try to do it, tell me and we'll move on to the next one. Let me emphasize that I do not want you to try to do any exercise that you feel might be unsafe.

Do you have any questions before we begin?

A. Side-by-Side Stand

- 1. Now I will show you the first movement.
- 2. (Demonstrate) I want you to try to stand with your feet together, side-by-side, for about 10 seconds.
- 3. You may use your arms, bend your knees, or move your body to maintain your balance, but try not to move your feet. Try to hold this position until I tell you to stop.
- 4. Stand next to the participant to help him/her into the side-by-side position.
- 5. Supply just enough support to the participant's arm to prevent loss of balance.
- 6. When the participant has his/her feet together, ask "Are you ready?"
- 7. Then let go and begin timing as you say, "Ready, begin."
- 8. Stop the stopwatch and say "Stop" after 10 seconds or when the participant steps out of position or grabs your arm.
- 9. If participant is unable to hold the position for 10 seconds, record result and go to the gait speed test.

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B. Semi-Tandem Stand

- 1. Now I will show you the second movement.
- 2. (Demonstrate) Now I want you to try to stand with the side of the heel of one foot touching the big toe of the other foot for about 10 seconds. You may put either foot in front, whichever is more comfortable for you.
- 3. You may use your arms, bend your knees, or move your body to maintain your balance, but try not to move your feet. Try to hold this position until I tell you to stop.
- 4. Stand next to the participant to help him/her into the semi-tandem position
- 5. Supply just enough support to the participant's arm to prevent loss of balance.
- 6. When the participant has his/her feet together, ask "Are you ready?"
- 7. Then let go and begin timing as you say "Ready, begin."
- 8. Stop the stopwatch and say "Stop" after 10 seconds or when the participant steps out of position or grabs your arm.
- 9. If participant is unable to hold the position for 10 seconds, record result and go to the gait speed test.

C. Tandem Stand

- 1. Now I will show you the third movement.
- 2. (Demonstrate) Now I want you to try to stand with the heel of one foot in front of and touching the toes of the other foot for about 10 seconds. You may put either foot in front, whichever is more comfortable for you.
- 3. You may use your arms, bend your knees, or move your body to maintain your balance, but try not to move your feet. Try to hold this position until I tell you to stop.
- 4. Stand next to the participant to help him/her into the tandem position.
- 5. Supply just enough support to the participant's arm to prevent loss of balance.
- 6. When the participant has his/her feet together, ask "Are you ready?"
- 7. Then let go and begin timing as you say, "Ready, begin."
- 8. Stop the stopwatch and say "Stop" after 10 seconds or when the participant steps out of position or grabs your arm.

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SCORING:			
A. Side-by-side-stand	d		
Held for 10 sec		If participant did not attempt test or failed, circle	why:
Not held for 10 sec	•	Tried but unable	1
Not attempted	•	Participant could not hold position unassisted	_
If O points, end Bal		Not attempted, you felt unsafe	3
ii o points, ena bat	ance lests	Not attempted, participant felt unsafe	4
		Participant unable to understand	-
Number of seconds he	ld if	instructions	5
less than 10 sec:		Other (specify)	6
		Participant refused	7
		·	
B. Semi-Tandem Stan	ıd		
Held for 10 sec	☐ 1 point		
Not held for 10 sec	□ 0 points		
Not attempted	☐ 0 points (circle reason	above)	
If O points, end Bal	ance Tests		
Number of seconds he	ld if less than 10 sec:	sec	
C. Tandem Stand			
	☐ 2 points		
Held for 10 sec	•		
Held for 3 to 9.99 sec	•		
Held for < than 3 sec	•		
Not attempted	☐ 0 points (circle reason	above)	
N	1d :f then 10		
number of seconds ne	eld if less than 10 sec:	sec	
D. Total Balance Tes	ts score(sum p	points)	
Comments:			

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2. GAIT SPEED TEST

Now I am going to observe how you normally walk. If you use a cane or other walking aid and you feel you need it to walk a short distance, then you may use it.

A. First Gait Speed Test

- 1. This is our walking course. I want you to walk to the other end of the course at your usual speed, just as if you were walking down the street to go to the store.
- 2. Demonstrate the walk for the participant.
- 3. Walk all the way past the other end of the tape before you stop. I will walk with you. Do you feel this would be safe?
- 4. Have the participant stand with both feet touching the starting line.
- 5. When I want you to start, I will say: "Ready, begin." When the participant acknowledges this instruction say: "Ready, begin."
- 6. Press the start/stop button to start the stopwatch as the participant begins walking.
- 7. Walk behind and to the side of the participant.
- 8. Stop timing when one of the participant's feet is completely across the end line.

B. Second Gait Speed Test

- 1. Now I want you to repeat the walk. Remember to walk at your usual pace, and go all the way past the other end of the course.
- 2. Have the participant stand with both feet touching the starting line.
- 3. When I want you to start, I will say: "Ready, begin." When the participant acknowledges this instruction say: "Ready, begin."
- 4. Press the start/stop button to start the stopwatch as the participant begins walking.
- 5. Walk behind and to the side of the participant.
- 6. Stop timing when one of the participant's feet is completely across the end line.

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GAIT S	SPEED TEST SCORING:					
	_					
Length	of walk test course: F	our meters 🗆	Three meters \square			
A Tim	o for Eirst Cait Spand 3	Tost (sos)				
1.	le for First Gait Speed 1 Time for 3 or 4 meters _	•				
2.	If participant did not at		d circle why:			
-•	Tried but unable	cempe test of faite	1			
	Participant could not wa	alk unassisted	2			
	Not attempted, you felt		3			
	Not attempted, participa		4			
	Participant unable to un	derstand instructior	ns 5			
	Other (Specify)		_ 6			
	Participant refused		7			
	Complete score sheet ar	nd go to chair stand	d test			
2 Aid	ls for first walk	Nono 🗖 Can	e □ Other □			
3. AIC	15 101 1115L Walk	None _ Can	e D Other D			
Comme	ents:					
	e for Second Gait Spee	• •				
1.	Time for 3 or 4 meters _		ما منحام بيامي			
2.	If participant did not at Tried but unable	tempt test or raile	4			
	Participant could not wa	alk unaccisted	1 2			
	Not attempted, you felt		3			
	Not attempted, participa		4			
	Participant unable to un		•			
	Other (Specify)		6			
	Participant refused		7			
3.	Aids for second walk	None \square	Cane □ Other □			
٥.	Alas for second watk	None	cane is other is			
What i	s the time for the faster	of the two walks?				
Record the shorter of the two times sec						
[If onl	[If only 1 walk done, record that time] sec					
If the	participant was unable t	o do the walk: 🗖 🕻) points			
For 4-	Meter Walk:		For 3-Meter Walk:			
	e is more than 8.70 sec:	☐ 1 point	If time is more than 6.52 sec:	□ 1 point		
	e is 6.21 to 8.70 sec:	☐ 2 points	If time is 4.66 to 6.52 sec:	□ 2 points		
	e is 4.82 to 6.20 sec:	☐ 3 points	If time is 3.62 to 4.65 sec:	☐ 3 points		
	e is less than 4.82 sec:	☐ 4 points	If time is less than 3.62 sec:	☐ 4 points		
T1 C11110	. 15 1035 than 7.02 300.	- + points	II time is tess thall sive see.	- 4 bours		

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3. CHAIR STAND TEST

Single Chair Stand

- 1. Let's do the last movement test. Do you think it would be safe for you to try to stand up from a chair without using your arms?
- 2. The next test measures the strength in your legs.
- 3. (Demonstrate and explain the procedure.) First, fold your arms across your chest and sit so that your feet are on the floor; then stand up keeping your arms folded across your chest.
- 4. **Please stand up keeping your arms folded across your chest.** (Record result).
- 5. If participant cannot rise without using arms, say "Okay, try to stand up using your arms." This is the end of their test. Record result and go to the scoring page.

Repeated Chair Stands

- 1. Do you think it would be safe for you to try to stand up from a chair five times without using your arms?
- 2. (Demonstrate and explain the procedure): Please stand up straight as QUICKLY as you can five times, without stopping in between. After standing up each time, sit down and then stand up again. Keep your arms folded across your chest. I'll be timing you with a stopwatch.
- 3. When the participant is properly seated, say: "Ready? Stand" and begin timing.
- 4. Count out loud as the participant arises each time, up to five times.
- 5. Stop if participant becomes tired or short of breath during repeated chair stands.
- 6. Stop the stopwatch when he/she has straightened up completely for the fifth time.
- 7. Also stop:
 - If participant uses his/her arms
 - After 1 minute, if participant has not completed rises
 - At your discretion, if concerned for participant's safety
- 8. If the participant stops and appears to be fatigued before completing the five stands, confirm this by asking "Can you continue?"
- 9. If participant says "Yes," continue timing. If participant says "No," stop and reset the stopwatch.

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	RING gle Chair Stand Test			
Α.	Safe to stand without help	YES □		NO □
В.	Results:			
	Participant stood without using arms		→ Go to Repeat	ted Chair Stand Test
	Participant used arms to stand		→ End test; sco	ore as 0 points
	Test not completed		→ End test; sco	ore as 0 points
C.	If participant did not attempt test or failed, circle w Tried but unable Participant could not stand unassisted Not attempted, you felt unsafe Not attempted, participant felt unsafe Participant unable to understand instructions Other (Specify) Participant refused	1 2 3 4 5		
Rep	eated Chair Stand Test			
Α.	Safe to stand five times	YES □		NO □
В.	If five stands done successfully, record time in secon	ıds.		
	Time to complete five stands sec			
C.	If participant did not attempt test or failed, circle we Tried but unable Participant could not stand unassisted Not attempted, you felt unsafe Not attempted, participant felt unsafe Participant unable to understand instructions Other (Specify) Participant refused	hy: 1 2 3 4 5 6 7		
Part If c If c	ring the Repeated Chair Test cicipant unable to complete 5 chair stands or complet hair stand time is 16.70 sec or more: hair stand time is 13.70 to 16.69 sec: hair stand time is 11.20 to 13.69 sec: hair stand time is 11.19 sec or less:	es stands i	n >60 sec:	☐ 0 points ☐ 1 points ☐ 2 points ☐ 3 points ☐ 4 points

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Scoring for Complete Shor	t Physical Performance B	Battery	
Test Scores Total Balance Test score	points		
Gait Speed Test score Chair Stand Test score	points points		
Total Score	points (sum of	points above)	