Subject ID:	Test Da	ate:	
Time test started:	Before 12pm □	12pm - 4pm	□ After 4pm
To the extent possible, seque	TION: rate each item o ential subject examinati	ons should be carried	□ Virtual (Audio & Video) ect status during examination. out at the same time of the day. er feels an item falls between two
Ask patient to cough as hard		s. Accept the stronges	at attempt.
A3. Cough score:	0.0 = Normal		
	0.5		
	1.0 = Depressed		
·	1.5		
	2.0 = Totally or nearly	absent	
A4. Speech Ask the patient to read or repeat the sentences. A "The President lives in the White House." B "The traffic is heavy today."			
A4. Speech score:	0.0 = Normal		
	0.5 1.0 = Mild (all or most 1.5 2.0 = Moderate (most 2.5 3.0 = Severe (no or all		able)
Sub-Total BULBAR: [Ca	alculated - Score=A3	·	,
B. UPPER LIMB COORDII			
B1. Finger-to-Finger Test Assist participant into a position of shoulder abduction so that elbows reach the horizontal plane. Elbows are at 75-90 degrees of flexion and hands are 25 cm from the sternum. While supporting their arms, have them touch their index fingers together and then move them 2.5 cm apart. Ask them to hold this position and remove your support. Downward drift of elbows is allowed. Observe for 10 seconds. Score amplitude of finger oscillations. If elbows require contact with body or surface, then they score a 3.0.			
B1a. Right score:	0.0 = Normal (0 - 0.5)	cm)	
	0.5		
	1.0 = Mild oscillations	of finger (0.5- 2 cm)	
	1.5		
B1b. Left score:	2.0 = Moderate oscilla	tions of finger (2-6 cm)	
	2.5	ns of finger (greater tha	an 6.0 cm) and/or elbows require

B2. Nose-Finger Test		
		ant and test 3 nose-finger-nose trials; assess participant's finger
	Assess kinetic or inte 0 = None	ention tremor during and towards the end of the movement.
B2a. Right score:		0
	•	n 2 cm. amplitude)
	•	6 cm. amplitude or persisting through movement)
B2b. Left score:	3 = Severe (great	ter than 6 cm. and persisting through movement)
	4 = Too poorly co	oordinated to perform task
B3. Dysmetria Test	# - # #	
	-	ach out and touch the tip of examiner's index finger as it moves nd forth from participant's chin to examiner's finger. The
		ld be about 50% distance from the full reach of the patient's arm.
		es the participant to touch his/her finger as it moves in a
		of the square. Test is performed at a fast pace. The examiner
		the accuracy of the movement. Assess dysmetria, tip of finger is
	ners DIP joint (i.e., ir	naccuracy of reaching the target – examiner's finger). There is no
penalty for tremor.	0 - None (ne mie	200)
B3a. Right score:	0 = None (no mis	,
	1 = Mild (1 - 2 mi)	•
	2 = Moderate (mi	•
B3b. Left score:	3 = Severe (misses 6-8 times)	
	4 = Too poorly co	ordinated to perform task
D4 David Alfanos etia a Massa		
B4. Rapid Alternating Move		, so their ference is 15 cm shows the thigh and ference in a
		so their forearm is 15 cm above the thigh and forearm in a earm pronation/supination and explain that the movement is like
		and forth. Cue participant that they should not brace their elbow
		nt to practice as you count out loud. Instruct participant to
		a full supination and pronation movement. Use a stopwatch to
		keeps count and says "go" and "stop." Assess rate, rhythm, body
	•	seconds then 0.5 is added to the score.
B4a. Right score:	0.0 = Normal	1
		0.5
		1.0 = Mild (slightly irregular or slowed) wrist and elbow
time in s	seconds:	remain in relatively fixed position away from torso
B4b. Left score:		1.5
		2.0 = Moderate (irregular and slowed) or participant
		compensates by bracing elbow on their trunk or there is
		noted elbow excursion during maneuver
. time in s	seconds:	2.5

3.0 = Too poorly coordinated to perform task.

B5. Finger Taps (index finger tip-to-thumb crease)

Stopwatch required. Position participant with shoulder abducted to horizontal plane and elbows flexed at 75 to 90 degrees. Ask the participant to tap on the thumb crease (DIP joint) with the tip of their index finger with a movement amplitude of at least 1.0 cm. Demonstrate 15 reps as fast as possible. Demonstrate an excursion of at least 1 cm. Cue participant that you will tell them when to start and stop and they should perform task as quickly as possible. Use stopwatch to measure time as you count for the participant. The examiner keeps count and says "go" and "stop." Each miss of the thumb crease is distinguished as a mistake. If time > 6 seconds, add 1 to score.

B5a. Right	0 = Normal.
	1 = Mild (misses 1-3 times)
time in seconds:	2 = Moderate (misses 4-9 times)
B5b. Left	3 = Severe (misses 10-15 times)
	4 = Cannot perform the task and/or unable to maintain start position
time in seconds:	
Sco	culated – bre=B1a+B1b+B2a+B2b+B3a+B3b+B4a+B4b+B5a+B5b, lige 0-36]

C. LOWER LIMB COORDINATION

Participant is in a supine position on the plinth with their head elevated for visualization of the lower extremities. The participant should lie with knees extended and kneecaps/toes pointing upward. If the participant has difficulty transferring to an exam table/chair this can be done in their adapted seating system with a small stool place in front for their legs to be extended out in front of them with feet supported.

C1. Heel Along Shin Slide

Demonstrate this maneuver by lifting the participant's lower leg and guiding it through movement of the heel down the shin. Cue them to watch their heel, touch heel to the opposite leg (just under kneecap), slide heel on the tibia to the ankle, take heel off ankle, place heel down onto plinth or stool, and bring heel back to the contralateral shin- just below patella. Ask them to repeat 3 cycles of this movement at moderate speed- one second per excursion of hip flexion or extension. Assessing contact with shin and smoothness of the movement.

C1a. Right score:	0 = Normal (stay on shin).
	1 = Mild (abnormally slow, tremulous but contact maintained)
	2 = Moderate (goes off shin a total of 3 or fewer times during 3 cycles)
C1b. Left score:	3 = Severe (goes off shin 4 or more times during 3 cycles)
	4 = Too poorly coordinated to perform task.

C2. Heel-to-Shin Tap

The participant identifies a comfortable spot on their mid-shin as target. Under visual control, participant taps heel on the target on the opposite shin 8 times on each side from about 15-25 cm above from the shin, one at a time. Examiner keeps count and says "go" and "stop." The number of times the heel misses the selected spot is assessed.

C2a. Right score:	0 = Normal (stays on target)	
	1 = Mild (misses shin 2 or less times)	
	2 = Moderate (misses shin 3-5 times)	
C2b. Left score:	 3 = Severe (misses shin greater than 5 times) 4 = Too poorly coordinated to perform task or cannot assume start position due to contractures or other impairments. 	

Sub-Total Lower Limb Coordination: [Calculated – Score=C1a+C1b+C2a+C2b, Range 0-16]

E. UPRIGHT STABILITY	
Ea. Is the subject barefoot?	□ Barefoot (preferred) □ Footwear
Eb. Indicate if AFOs [plastic	brace] are used: ☐ Yes ☐ No
Ec. Test performed on carpe	et? No
	d position on the edge of the plinth or chair with back unsupported. If participant is
	I adapted seating device, see if they can scoot forward a few inches so that back
	1-2 inches of space between the edge of seating platform and the back of their sit with 90 degrees of hip flexion and 90 degrees of knee flexion. The participant
	nest so hands rest on their elbows. If a participant cannot sit unsupported in the
	core of a 4. Place examiner in front of participant and have an assistant stand
•	cipant to assist if participant begins to lose their balance. Observe for 30
seconds.	O - Normal
E1. Sitting Posture score:	0 = Normal
	1 = Mild oscillations of head/trunk without touching chair back or side
	2 = Moderate oscillations of head/trunk; needs contact with chair back or side for stability
	3 = Severe oscillations of head/trunk; needs contact with chair back or
	side for stability
	4 = Requires moderate to maximal support of one to two people, or
	cannot assume start position.
E2a. Stance feet apart, eyes	
	I border of their feet 20cm apart with toes pointing forward along a horizontal tape
	should be on the horizontal line. The participant will have their arms and hands by
	r choosing during testing with visual gaze fixed at a spot of their choosing. participant that you will be timing their ability to stand in this position. Have an
	ch side of the participant to catch them if they lose their balance. Use a stopwatch
up to 3 attempts. As soon as the	participant is able to exceed 60 seconds (on the first or second trial), no
	d score of zero is recorded for the remaining trial(s).
	m the first stance test (feet apart eyes open) without assistance (holding
	en a score of 4 is given for all 3 trials of this test and none of the other h max score of 4 applied for all trials of all tests (2b, 3a, 3b, and 5). Tandem
stance should still be attempted	
Participant can seek support in	n between trials; holding on to the table, chair or examiner.
E2a1. Trial one score:	0 = 1 minute or longer
	1 = Less than 1 minute, greater than 45 seconds
E2a2. Trial two score:	2 = Less than 45 seconds, greater than 30 seconds
	3 = Less than 30 seconds, greater than 15 seconds
50.0 T 1.14	4 = Less than 15 sec. or needs hands held by assistant/device or cannot
E2a3. Trial three score:	assume start position.
F2a Average [Cal	culated = F2a1+F2a2+F2a3/3 Range 0-41

E2b. Stance feet apart, eyes closed

Stopwatch required. Inform the participant that they are going to do the same standing task but with their eyes closed. When participant feels ready, say "go" to have them close eyes. Have the examiner and an assistant stand on each side of participant to watch their eyes and assist if participant begins to sway. Stop timing if the participant blinks or opens eyes. Use a stopwatch to measure up to 3 attempts

As soon as the participant is able to exceed 60 seconds (on the first or second trial), no subsequent trials are required and score of zero is recorded for the remaining trial(s).

E2b1. Trial one score:	0 = 1 minute or longer
	1 = Less than 1 minute, greater than 45 seconds
E2b2 Trial two score:	2 = Less than 45 seconds, greater than 30 seconds
	3 = Less than 30 seconds, greater than 15 seconds
E2b3. Trial three score:	4 = Less than 15 sec. or needs hands held by assistant/device

E2b. Average: [Calculated E2b1+E2b2+E2b3/3, Range 0-4]

E3a. Stance feet together, eyes open

Participant is to stand with medial border of feet touching at both the MTP joints and heels. If the participant is "knock-kneed" or has other orthopedic issue that prevents feet from touching at front and back then having feet touching at one location is sufficient. The participant will have their arms and hands by their sides or in a position of their choosing during testing with visual gaze fixed at a spot of their choosing. Stopwatch required. Instruct the participant that you will be timing their ability to stand in this position. Have the examiner and an assistant stand on each side of participant to assist if participant begins to sway. Use a stopwatch to measure up to 3 attempts.

As soon as the participant is able to exceed 60 seconds (on the first or second trial), no subsequent trials are required and score of zero is recorded for the remaining trial(s).

If the participant cannot assume the relevant position for 3a (feet together eyes open) without assistance (holding examiner or table or walker) then a score of 4 is given for all 3 trials of this test and 3b). Tandem stance should still be attempted.

E3a1. Trial one score:

0 = 1 minute or longer

1 = Less than 1 minute, greater than 45 seconds

2 = Less than 45 seconds, greater than 30 seconds

3 = Less than 30 seconds, greater than 15 seconds

E3a3. Trial three score:

4 = Less than 15 sec. or needs hands held by assistant/device

E3a. Average [Calculated - E3a1+E3a2+E3a3/3, Range 0-4]

E3b. Stance feet together eyes closed

Stopwatch required. Inform the participant that they are going to do the same standing task but with their eyes closed. When participant feels ready, say "go" to have them close eyes. Have examiner and an assistant stand on each side of participant to watch their eyes and assist if participant begins to sway. Stop timing if the participant blinks or opens eyes. Use a stopwatch to measure up to 3 attempts. As soon as the participant is able to exceed 60 seconds (on the first or second trial), no subsequent trials are required and score of zero is recorded for the remaining trial(s).

E3b. Average: [0	Calculated E3b1+E3b2+E3b3/3, Range 0-4]
E3b3. Trial three score:	4 = Less than 15 sec. or needs hands held by assistant/device
	3 = Less than 30 seconds, greater than 15 seconds
E3b2. Trial two score:	2 = Less than 45 seconds, greater than 30 seconds
	1 = Less than 1 minute, greater than 45 seconds
E3b1. Trial one score:	0 = 1 minute or longer
remaining mar(s).	

Which foot was in front during tandem stance? Right E4. Tandem Stance Assist participant into a tandem stance position with their dominant foot in back and non-dominant foot in front. The dominant foot is the one they feel they balance the best upon when asked to stand on one leg. The toe of the dominant foot should touch the heel of the non-dominant foot. Stopwatch required. Instruct the participant that you will be timing their ability to stand in this position. Have examiner and an assistant stand on each side of participant to assist if participant begins to lose their balance. Use a stopwatch to measure up to 3 attempts. As soon as the participant is able to exceed 60 seconds (on the first or second trial), no subsequent trials are required and score of zero is recorded for the remaining trial(s). E41. Trial one score: 0 = 1 minute or longer			
	1 = Less than 1 minute, greater t	han 45 seconds	3
E42. Trial one score:	2 = Less than 45 seconds, greate	er than 30 seco	nds
	3 = Less than 30 seconds, greate	er than 15 seco	nds
E43. Trial one score:	4 = Less than 15 sec. or needs h	ands held by as	ssistant/device
E4. Average	[Calculated E41+E42+E43/3, Ra	ange 0-4]	
position. Heel should be seventiming their ability to stand on a side of participant to assist if put the participant is able to exceed score of zero is recorded for the E51. Trial one score: E52. Trial two score:	the stance by flexing hip of non-dominal eral inches off the floor. Stopwatch recome foot. With examiner in front of paratricipant begins to sway. Use a stopped 60 seconds (on the first or second the remaining trial(s). 0 = 1 minute or longer 1 = Less than 1 minute, greater to the seconds of the second of the seconds of the second of the seconds o	quired. Instruct the ticipant, have an watch to measure trial), no subseque han 45 seconds er than 30 seconds ands held by as	ne participant that you will be a assistant stand behind or on e up to 3 attempts. As soon as went trials are required and
E5. Average E6 Tandem Walk	[Calculated E51+E52+E53/3, Ra	ange 0-4]	
Participant will tandem walk at least 8 steps in a straight line. Performed in hallway or long room with no furniture within reach of 1m/3ft and no loose carpet. Demonstrate task for the participant, specifying how the heel and toe touch with each step. The heel of the front foot should touch the toes of the foot in back as they take steps. Arms can be extended for more balance. Always do this test on the same surface/location (bare floor). Instruct participant to begin in a tandem stance and then to begin walk with at least 8 steps. Examiner and assistant can walk close to participant for safety if needed. Count the number of steps completed in a single trial. Score based on number of steps. E6. Tandem walk score: 0 = Normal (able to tandem walk 8 or greater sequential steps)			
	1 = Able to tandem walk greater	•	
	2 = Can tandem walk, but fewer	•	- · · · · · · · · · · · · · · · · · · ·
	3 = Too poorly coordinated to att	emnt task	

E7 Gait

Standing with or without an assistive walking device. Performed in hallway or long room with no furniture within reach of 1m/3ft and no loose carpet. Observe participant walking at a typical pace in one direction for 8 meters or 25 feet participant. Scoring based on amount of ataxia and if assistive devices are required.

E7. Gait score:	0 = Normal
	1 = Mild ataxia/veering/difficulty in turning; no cane/other support needed to
	be safe
	2 = Walks with definite ataxia; may need intermittent support/examiner
	needs to walk with participant for safety
	3 = Moderate ataxia / veering / difficulty turning; walking requires
	cane/holding onto examiner with one hand for safety
	4 = Severe ataxia/veering; walker or both hands of examiner needed
	5 = Cannot walk even with assistance (wheelchair bound)
	[Calculated - Score =E1+E2a+E2b+E3a+E3b+E4+E5+E6+E7,
Sub-Total Upright Stabili	ty: Range 0 - 36]
	[Calculated - Score =Sub-Totals A. Bulbar + B. Upper limb + C.
Total mFARS score:	Lower limb+ E. Upright stability, Range 0-93]