Subject ID: Test Date:
Time test started:
Before 12pm
12pm-4pm
After 4pm
How was the assessment completed?
In person
Virtual (Audio \& Video)
A. BULBAR

Ask the patient to "cough as hard as you can, three times". Accept the strongest attempt.
A3. Cough score:
$0.0=$ Normal

0.5
$1.0=$ Depressed
1.5
$2.0=$ Totally or nearly absent

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 words understandable
1.5
$2.0=$ Moderate (most words not understandable)
2.5
$3.0=$ Severe (no or almost no useful speech)
Sub-Total BULBAR: [Calculated - Score=A3 + A4, Range 0-5]
B. UPPER LIMB COORDINATION

## B1. Finger-to-Finger Test

B1a. Right score: $\quad 0.0=\operatorname{Normal}(0-0.5 \mathrm{~cm})$

|  | 0.5 <br> $1.0=$ Mild oscillations of finger $(0.5-2 \mathrm{~cm})$ <br> 1.5 |
| :--- | :--- |
| B1b. Left score: $2.0=$ Moderate oscillations of finger $(2-6 \mathrm{~cm})$ <br>  2.5 <br>  $3.0=$ Severe oscillations of finger (greater than 6.0 cm$)$ and/or elbows require contact <br> with body or surface, unable to perform task  |  |

## B2. Nose-Finger Test

B2a. Right score:
$0=$ None
1 = Mild (less than 2 cm . amplitude)
$2=$ Moderate ( $2-6 \mathrm{~cm}$. amplitude or persisting through movement)
3 = Severe (greater than 6 cm . and persisting through movement)
4 = Too poorly coordinated to perform task


| B3. Dysmetria Test |
| :--- |
| B3a. Right score: |
|  |
| B3b. Left score: |

$0=$ None (no misses)
$1=$ Mild ( $1-2$ misses)
$2=$ Moderate (misses $3-5$ times)
$3=$ Severe (misses $6-8$ times)
$4=$ Too poorly coordinated to perform task


## Modified Friedreich Ataxia Rating Scale (mFARS) - Data Collection Worksheet

## E. UPRIGHT STABILITY

| Ea. Is the subject barefoot? | $\square$ | Barefoot (preferred) | $\square$ |
| :--- | :--- | :--- | :--- |
| Footwear |  |  |  |
| Eb. Indicate if AFOs [plastic brace] are used: | $\square$ | Yes | $\square$ |
| Ec. Test performed on carpet? | $\square$ | Yes | $\square$ |

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 open

If the participant cannot perform the first stance test (feet apart 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 none of the other stance tests are attempted with max score of 4 applied for all trials of all tests ( $2 b, 3 a, 3 b$, and 5 ). Tandem stance should still be attempted.
E2a1. Trial one score: $\quad 0=1$ minute or longer

|  |
| :---: |
| E2a2. Trial two score: |

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
4 = Less than 15 sec . or needs hands held by assistant/device or cannot
E2a3. Trial three score: assume start position.
 [Calculated - E2a1+E2a2+E2a3/3, Range 0-4]

E2b1. Trial one score: $\quad 0=1$ minute or longer

E2b2 Trial two score:
1 = Less than 1 minute, greater than 45 seconds


E2b3. Trial three score:
$\square$

## E2b. Average:

## [Calculated E2b1+E2b2+E2b3/3, Range 0-4]

## E3a. Stance feet together, eyes open

If the participant cannot assume the relevant position for 3 (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: | 1 |
| :--- | :--- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

E3a. Average
$0=1$ 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
4 = Less than 15 sec . or needs hands held by assistant/device
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| E3b. Stance feet together, eyes closed |  |
| :---: | :---: |
| E3b1. Trial one score: | $0=1$ minute or longer <br> 1 = Less than 1 minute, greater than 45 seconds |
|  |  |
| E3b2. Trial two score: $2=$ Less than 45 seconds, greater than 30 seconds |  |
| 3 = Less than 30 seconds, greater than 15 seconds |  |
| E3b3. Trial three score: 4 = Less than 15 sec . or needs hands held by assistant/device |  |
| E3b. Average: [Calculated E3b1+E3b2+E3b3/3, Range 0-4] |  |
| Which foot was in front during the tandem stance? $\quad \square$ Right $\quad \square \quad$ Left |  |
| E4. Tandem Stance |  |
| E41. Trial one score: $0=1$ minute or longer |  |
| 1 = Less than 1 minute, greater than 45 seconds |  |
| E42. Trial one score: $2=$ Less than 45 seconds, greater than 30 seconds |  |
| 3 = Less than 30 seconds, greater than 15 seconds |  |
| E43. Trial one score: $4=$ Less than 15 sec . or needs hands held by assistant/device |  |
|  |  |
| E4. Average [Calculated E41+E42+E43/3, Range 0-4] |  |
| E5. Stance on Dominant Foot |  |
| E51. Trial one score: $0=1$ minute or longer |  |
| 1 = Less than 1 minute, greater than 45 seconds |  |
| E52. Trial two score: $2=$ Less than 45 seconds, greater than 30 seconds |  |
| 3 = Less than 30 seconds, greater than 15 seconds |  |
| E53. Trial three score: | 4 = Less than 15 sec . or needs hands held by assistant/device |
|  |  |
| E5. Average [Calculated E51+E52+E53/3, Range 0-4] |  |
| 6 Tandem Walk |  |
| 6. Tandem walk score: $0=$ Normal (able to tandem walk 8 or greater sequential steps) |  |
| $1=$ Able to tandem walk greater than 4 sequential steps, but less than 8 |  |
|  |  |  |
| 3 = Too poorly coordinated to attempt task. |  |
| 7 Gait |  |
| 7. Gait score: $\quad 0=$ 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) |  |
| Sub-Total Upright Stability: | [Calculated - Score $=E 1+E 2 a+E 2 b+E 3 a+E 3 b+E 4+E 5+E 6+E 7$, <br> y: Range 0-36] |
| Total mFARS score: | [Calculated - Score = Sub-totals A. Bulbar + B. Upper limb + C. <br> Lower limb + E. Upright stability, Range 0-93] |

