

**Huntington Study Group Unified Huntington's Disease Rating Scale 99**

**Ocular Pursuit**

- 0 = complete  
 1 = jerky  
 2 = interrupted/full range  
 3 = incomplete range  
 4 = cannot pursue
- Horizontal 1a  Vertical 1b

**Saccade Initiation**

- 0 = normal  
 1 = increased latency  
 2 = suppressible blinks/head movements to initiate  
 3 = unsuppressible head movements  
 4 = cannot initiate
- Horizontal 2a  Vertical 2b

**Saccade Velocity**

- 0 = normal  
 1 = mild slowing  
 2 = moderate slowing  
 3 = severely slow, full range  
 4 = incomplete range
- Horizontal 3a  Vertical 3b

**Dysarthria**

- 0 = normal  
 1 = unclear, no need to repeat  
 2 = must repeat  
 3 = mostly incomprehensible  
 4 = mute
- 4

**Tongue Protrusion**

- 0 = normal  
 1 = <10 seconds  
 2 = <5 seconds  
 3 = cannot fully protrude  
 4 = cannot beyond lips
- 5

**Finger Taps**

- 0 = normal (15/5sec)  
 1 = mild slowing or reduction in amp.  
 2 = moderately impaired. may have occasional arrests (7-10/15sec)  
 3 = severely impaired. Frequent hesitations and arrests  
 4 = can barely perform
- Right 6a  Left 6b

**Pronate/Supinate**

- 0 = normal  
 1 = mild slowing/irregular  
 2 = moderate slowing and irregular  
 3 = severe slowing and irregular  
 4 = cannot perform
- Right 7a  Left 7b

**Luria (Fist-Hand-Palm)**

- 0 = >4 in 10 seconds without cues  
 1 = <4 in 10 sec. without cues  
 2 = >4 in 10 sec. with cues  
 3 = <4 in 10 sec. with cues  
 4 = cannot perform
- 8

**Rigidity-arms**

- 0 = absent  
 1 = slight or only with activation  
 2 = mild/moderate  
 3 = severe, full range of motion  
 4 = severe with limited range
- Right 9a  Left 9b

**Bradykinesia**

- 0 = normal  
 1 = minimally slow  
 2 = mildly but clearly slow  
 3 = moderately slow  
 4 = marked slowing, long delays in initiation
- 10

**Maximal Dystonia**

- 0 = absent  
 1 = slight/intermittent  
 2 = mild/common or moderate/intermittent  
 3 = moderate/common  
 4 = marked/prolonged
- 11a trunk   
 11b RUE   
 11c LUE   
 11d RLE   
 11e LLE

**Maximal Chorea**

- 0 = absent  
 1 = slight/intermittent  
 2 = mild/common or moderate/intermittent  
 3 = moderate/common  
 4 = marked/prolonged
- 12a face   
 12b BOL   
 12c trunk   
 12d RUE   
 12e LUE   
 12f RLE   
 12g LLE

**Gait**

- 0 = normal narrow base  
 1 = wide base, and/or slow  
 2 = wide base, walks with difficulty  
 3 = walks with assistance  
 4 = cannot attempt
- 13

**Tandem Walking**

- 0 = normal for 10 steps  
 1 = 1-3 deviations  
 2 = >3 deviations  
 3 = cannot complete  
 4 = cannot attempt
- 14

**Retropulsion Pull Test**

- 0 = normal  
 1 = recovers spontaneously  
 2 = would fall if not caught  
 3 = tends to fall spontaneously  
 4 = cannot stand
- 15

**Weight (kg)**

16

**Diagnosis Confidence Level**

- To what degree are you confident that this person meets the operational definition of the unequivocal presence of an otherwise unexplained extrapyramidal movement disorder (eg, chorea, dystonia, bradykinesia, rigidity) in a subject at risk for HD?
- 0 = normal (no abnormalities)  
 1 = non-specific motor abnormalities (less than 50% confidence)  
 2 = motor abnormalities that may be signs of HD (50-89% confidence)  
 3 = motor abnormalities that are likely signs of HD (90-98% confidence)  
 4 = motor abnormalities that are unequivocal signs of HD (≥99% confidence)
- 17

**Motor Examiner**

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Name: \_\_\_\_\_

Date: \_\_\_\_\_

Total Motor Score: \_\_\_\_\_

Gender/age at onset of affected parent: \_\_\_\_\_

Year first sx: \_\_\_\_\_

What was 1st sx? \_\_\_\_\_

Year of dx: \_\_\_\_\_

CAG allele counts: \_\_\_\_\_

Medications: \_\_\_\_\_