

Unified Dystonia Rating Scale (UDRS) Revised

I. Duration Factor

- 0 none
- 0.5 occasional (< 25% of the time); predominantly submaximal
- 1.0 occasional (< 25% of the time); predominantly maximal
- 1.5 Intermittent (25-50% of the time); predominantly submaximal
- 2.0 Intermittent (25-50% of the time); predominantly maximal
- 2.5 Frequent (50-75% of the time); predominantly submaximal
- 3.0 Frequent (50-75% of the time); predominantly maximal
- 3.5 Constant (> 75% of the time); predominantly submaximal
- 4.0 Constant (> 75% of the time); predominantly maximal

2. Motor Severity Factor

EYES AND UPPER FACE

- 0. none
- 1. mild: increased blinking and/or slight forehead wrinkling ($\leq 25\%$ maximal intensity)
- 2. moderate: eye closure without squeezing and/or pronounced forehead wrinkling ($> 25\%$ but $\leq 50\%$ maximal intensity)
- 3. severe: eye closure with squeezing, able to open eyes within 10 seconds and/or marked forehead wrinkling ($> 50\%$ but $\leq 75\%$ maximal intensity)
- 4. eye closure with squeezing, unable to open eyes within 10 seconds and/or intense forehead wrinkling ($> 75\%$ maximal intensity)

LOWER FACE

- 0 none
- 1 mild: grimacing of lower face with minimal distortion of mouth ($\leq 25\%$ maximal)
- 2 moderate: grimacing of lower face with moderate distortion of mouth ($> 25\%$ but $\leq 50\%$ maximal)
- 3 severe: marked grimacing with severe distortion of mouth ($> 50\%$ but $\leq 75\%$ maximal)
- 4 extreme: intense grimacing with extreme distortion of mouth ($> 75\%$ maximal)

JAW AND TONGUE

- 0 none
- 1 mild: jaw opening and/or tongue protrusion $\leq 25\%$ of possible range
or
forced jaw clenching without bruxism
- 2 moderate: jaw opening and/or tongue protrusion $> 25\%$ but $\leq 50\%$ of possible range
or
forced jaw clenching with mild bruxism secondary to dystonia
- 3 severe: jaw opening and /or tongue protrusion $> 50\%$ but $\leq 75\%$ of possible range
or
forced jaw clenching with pronounced bruxism secondary to dystonia
- 4 extreme: jaw opening and/or tongue protrusion $> 75\%$ of possible range or forced jaw clenching with inability to open mouth

LARYNX

- 0 none
- 1 mild: barely detectable hoarseness and/or choked voice and/or occasional voice breaks
- 2 moderate: obvious hoarseness and/or choked voice and/ or frequent voice breaks
- 3 severe: marked hoarseness and/or choked voice and/or continuous voice breaks
- 4 extreme: unable to vocalize

NECK

- 0 none
- 1 mild: movement of head from neutral position $\leq 25\%$ of possible normal range
- 2 moderate: movement of head from neutral position $> 25\%$ but $\leq 50\%$ of possible normal range
- 3 severe: movement of head from neutral position $> 50\%$ but $\leq 75\%$ of possible normal range
- 4 extreme: movement of head from neutral position $> 75\%$ of possible normal range

SHOULDER AND PROXIMAL ARM (Right and Left)

- 0 none
- 1 mild: movement of shoulder or upper arm $\leq 25\%$ of possible normal range
- 2 moderate: movement of shoulder or upper arm 25% but $\leq 50\%$ of possible normal range
- 3 severe: movement of shoulder or upper arm 50% but $\leq 75\%$ of possible normal range
- 4 extreme: movement of shoulder or upper arm 75% of possible normal range

DISTAL ARM AND HAND INCLUDING ELBOW (Right and Left)

- 0 none
- 1 mild: movement of distal arm or hand $\leq 25\%$ of possible normal range
- 2 moderate: movement of distal arm or hand 25% but $\leq 50\%$ of possible normal range
- 3 severe: movement of distal arm or hand 50% but $\leq 75\%$ of possible normal range
- 4 extreme: movement of distal arm or hand 75% of possible normal range

PELVIS AND PROXIMAL LEG (Right and Left)

- 0 none
- 1 mild: tilting of pelvis or movement of proximal leg or hip $\leq 25\%$ of possible normal range
- 2 moderate: tilting of pelvis or movement of proximal leg or hip 25% but $\leq 50\%$ of possible normal range
- 3 severe: tilting of pelvis or movement of proximal leg or hip 50% but $\leq 75\%$ of possible normal range
- 4. extreme: tilting of pelvis or movement of proximal leg or hip 75% of possible normal range

DISTAL LEG AND FOOT INCLUDING KNEE (Right and Left)

- 0 none
- 1 mild: movements of distal leg or foot $\leq 25\%$ of possible normal range
- 2 moderate: movements of distal leg or foot 25% but $\leq 50\%$ of possible normal range
- 3 severe: movements of distal leg or foot 50% but $\leq 75\%$ of possible normal range
- 4 extreme: movements of distal leg or foot 75% of possible normal range

TRUNK

- 0 none
- 1 mild: bending of trunk $\leq 25\%$ of possible normal range
- 2 moderate: bending of trunk 25% but $\leq 50\%$ of possible normal range
- 3 severe: bending of trunk $> 50\%$ but $\leq 75\%$ of possible normal range
- 4 extreme: bending of trunk $> 75\%$ of possible normal range