

Unified Dystonia Rating Scale (UDRS)

Factor/area	Criteria
Duration	
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
Motor severity	
Eyes and upper face	
0	None
1	Mild: increased blinking or slight forehead wrinkling ($\leq 25\%$ maximal intensity)
2	Moderate: eye closure without squeezing or pronounced forehead wrinkling ($>25\%$ but $\leq 50\%$ maximal intensity)
3	Severe: eye closure with squeezing, able to open eyes within 10 seconds or marked forehead wrinkling ($>50\%$ but $\leq 75\%$ maximal intensity)
4	Extreme: eye closure with squeezing, unable to open eyes within 10 seconds 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 or tongue protrusion $\leq 25\%$ of possible range or forced jaw clenching without bruxism
2	Moderate: jaw opening 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 or tongue protrusion $>75\%$ of possible range or forced jaw clenching with inability to open mouth
Larynx	
0	None
1	Mild: barely detectable hoarseness or choked voice or occasional voice breaks
2	Moderate: obvious hoarseness or choked voice or frequent voice breaks
3	Severe: marked hoarseness or choked voice 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

Factor/area	Criteria
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