Appendix 1: Grading System for Severity of Pediatric Motor Deficit

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Amount of Deficit | Shoulder | Elbow | Wrist | Fingers | Thumb |
| Grade 2 Mild/Moderate | WNL/mild limitation in flexion or abduction | WNL/mild limitation in extension | WNL/mild limitation in extension | WNL/mild limitation in extension | WNL/mild limitation in lateral abduction |
| Grade 3 Moderate | Moderate limitation flexion or abduction | Moderate limitation in extension | Moderate limitation in extension | Moderate limitation in extension | Moderate limitation in lateral abduction |
| Grade 4 Moderately Severe | Severe limitation in flexion or abduction, but >30° | Severe limitation in extension | Severe limitation in extension | Severe limitation in extension | Severe limitation in lateral abduction  |
| Grade 5A Severe | ≤ 30° flexion or abduction | Initiation of flexion or extension | Initiation of movement  | Initiation of movement  | Initiation of movement  |
| Grade 5B Very Severe | ≤ 30° flexion or abduction | Initiation of flexion or extension | No initiation of movement | No initiation of movement | No initiation of movement |

Mild – Limitation of < ⅓ to just below normal range

Moderate – Limitation of between ⅓ and ½ of normal range

Severe A – Limitation of >½ of normal range but can initiate movement

Severe B – No initiation of movement

Overall grade used to characterize a child’s deficit is dictated by the joint at which the deficit is greatest.

Abbreviation: WNL, within normal limits