



Motor System

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ASIA Impairment Scale

Assessment scale for neurologic impairment after SCI

Grade	Description	Characteristics of Impairment
A	Complete	No sensory or motor function preserved
B	Incomplete	Sensory but no motor function preserved below injury level
C	Incomplete	Motor function preserved but majority of muscles below neurologic level have muscle grade <3
D	Incomplete	Motor function preserved but majority of muscles below neurologic level have muscle grade ≥ 3
E	Normal	Motor and sensory function normal

House-Brackmann Grade

Standardized scale for degree of facial nerve paralysis

Grade	Description	Characteristics
I	Normal	Normal facial function in all areas
II	Mild Dysfunction	Slight weakness and asymmetry on close inspection
III	Moderate Dysfunction	Obvious but not disfiguring asymmetry
IV	Moderate-Severe Dysfunction	Obvious weakness and/or disfiguring asymmetry
V	Severe	Barely perceptible motion
VI	Total Paralysis	No contraction

Frankel Function Grade

Grading patient functionality below level of SCI lesion

Grade	Description	Characteristics
A	Complete dysfunction	Both motor and sensory loss below injury level
B	Sensory only	Complete motor paralysis with preserved sensation below injury level
C	Incomplete motor function	Motor function present but of no practical use below injury level
D	Fair motor function	Motor function present with practical use below injury level
E	Normal function / Recovery	Free of neurologic symptoms

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to be Reviewed
by the Atlas Team





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