SCI

Spinal cord injury

Key muscles by level

C5 | elbow flexion
C6 | wrist extension
C7 | elbow extension
C8 | finger flexion
T1 | finger abduction

L2 | hip flexion
L3 | knee extension
L4 | ankle dorsiflexion
L5 | great toe extension
S1 | ankle plantarflexion

ISNCSCI

Light touch and pinprick by dermatome
Motor key muscles graded 0 to 5 per side
Neurological level of injury

ASIA Impairment Scale

A | Complete: no sensory or motor function preserved in S4 to S5.
B | Sensory incomplete: sensory preserved below injury including S4 to S5, no motor function below injury.
C | Motor incomplete: most key muscles below injury graded less than 3.
D | Motor incomplete: at least half of key muscles below injury graded 3 or more.
E | Normal.

Zone of partial preservation: dermatomes and myotomes below the level that still have some function.

For clinical review by Andrea: the AIS grade wording is simplified. Confirm it against the 2019 booklet before use.

Source: International Standards for Neurological Classification of Spinal Cord Injury (ISNCSCI), ASIA, 2019 revision.

Education only. Not a medical record and not a substitute for facility policy.