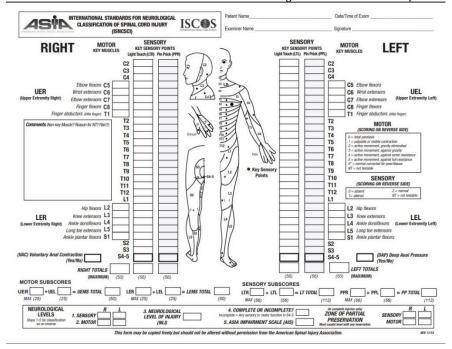
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Additional file 2 International Standards for Neurological Classification of Spinal Cord Injury (ISNSCI) scoring sheet



specific position 5 = Inormal, active movement, ful ROM against grawly and full resistance in a functional muscle position expected from an otherwise unimprased porson or better for the consistence of the consistence of the consistence or many full resistance for the consistence or many of identified rehibiting fuctions (i.e. pain, disusely were not present ROM). The most testable (ii. et al. to immobilization, severe pains such that operations the grant of the consistence of 3-50% of the normal ROM). Sensory Grading When to Test Non-Key Muscles: Elbow: Pronation C6 Wrist: Rexion Finger: Flexion at proximal joint, extension. C7 Thumb: Flexion, extension and abduction in plane of thumb Hip. External rotation L3 Hip. External rotation L4 Kinee Persion Andide: Investion and evention Toe: MP and P extersion

Hallux and Toe: DIP and PIP flexion and abduction L5

superser or vaulet commission
 active movement, full argue of motion (ROM) with gravity eliminated
 active movement, full ROM against gravity
 active movement, full ROM against gravity and moderate resistance in a muscle specific position.

Muscle Function Grading

ASIA Impairment Scale (AIS)

- B = Sensory Incomplete. Sensory but not mater function is preserved below the neurological level and includes the sacra segments 54-5 light touch or pin prick at 54-5 or deep analyzersaule; AND or mother function is preserved more than three levels below the motor level on either side of the body.
- C = Motor Incomplete. Motor function is preserved a contraction of security second sec
- $$\label{eq:D} \begin{split} D &= Motor \, Incomplete. \, \text{Motor incomplete status as del} \\ &\text{above, with at least half that or more) of key muscle function below the single NLI having a muscle grade <math>\geq 3$$
 .
- E = Normal. If sensation and motor function as tested with the ISNCSCI are graded as normal in all segments, and the patient had prior deficits, then the AIS grade is E. Someone without an initial SCI does not receive an AIS grade.



Steps in Classification

. Determine ASIA Impairment Scale (AIS) Grade:
Is injury Complete?
If YES, AIS=A and can record
ZPP (lowest dermatone or myotome
on each side with some preservation)

Is injury Motor Complete? If YES, AIS=B

Are at least half (half or more) of the key muscles below the cal level of injury graded 3 or better?



If sensation and motor function is normal in all segments, AIS=E
Note: AIS E is used in folion-up testing when an individual with a obcurrentel
SC has recovered normal function. If at intall testing or deficits we found, the
individual is neurologically intact; the ASIA Impairment Scale does not apply.