



INTERNATIONAL STANDARDS FOR NEUROLOGICAL
CLASSIFICATION OF SPINAL CORD INJURY
(ISNCSCI)



Date of Exam _____ Time of Exam _____

Examiner Name _____ Signature _____

☐ PT ☐ Spine Surgeon ☐ Physiatrist ☐ CNS ☐ Other (specify): _____

RIGHT

MOTOR
KEY MUSCLES

SENSORY

KEY SENSORY POINTS
Light Touch (LT) Pin Prick (PP)

C2
C3
C4

Elbow flexors C5
Wrist extensors C6
Elbow extensors C7
Finger flexors C8
Finger abductors (little finger) T1

UER

(Upper Extremity Right)

Comments (Non-key Muscle? Reason for NT? Pain?):

T2
T3
T4
T5
T6
T7
T8
T9
T10
T11
T12
L1

Hip flexors L2
Knee extensors L3
Ankle dorsiflexors L4
Long toe extensors L5
Ankle plantar flexors S1

LER

(Lower Extremity Right)

S2
S3
S4-5

(VAC) Voluntary anal contraction
(Yes/No) ☐

RIGHT TOTALS
(MAXIMUM)

(50)

(56)

(56)

MOTOR SUBSCORES

UER ☐ + UEL ☐ = UEMS TOTAL ☐
MAX (25) (25) (50)

LER ☐ + LEL ☐ = LEMS TOTAL ☐
MAX (25) (25) (50)

SENSORY SUBSCORES

LTR ☐ + LTL ☐ = LT TOTAL ☐
MAX (56) (56) (112)

PPR ☐ + PPL ☐ = PP TOTAL ☐
MAX (56) (56) (112)

SENSORY

KEY SENSORY POINTS
Light Touch (LT) Pin Prick (PP)

C2
C3
C4

Elbow flexors C5
Wrist extensors C6
Elbow extensors C7
Finger flexors C8
Finger abductors (little finger) T1

UEL

(Upper Extremity Left)

T2
T3
T4
T5
T6
T7
T8
T9
T10
T11
T12
L1

MOTOR
(SCORING ON REVERSE SIDE)
0 = total paralysis
1 = palpable or visible contraction
2 = active movement, gravity eliminated
3 = active movement, against gravity
4 = active movement, against some resistance
5 = active movement, against full resistance
5+ = normal corrected for pain/disease
NT = not testable

SENSORY
(SCORING ON REVERSE SIDE)

0 = absent 2 = normal
1 = altered NT = not testable

Hip flexors L2
Knee extensors L3
Ankle dorsiflexors L4
Long toe extensors L5
Ankle plantar flexors S1

LEL

(Lower Extremity Left)

S2
S3
S4-5

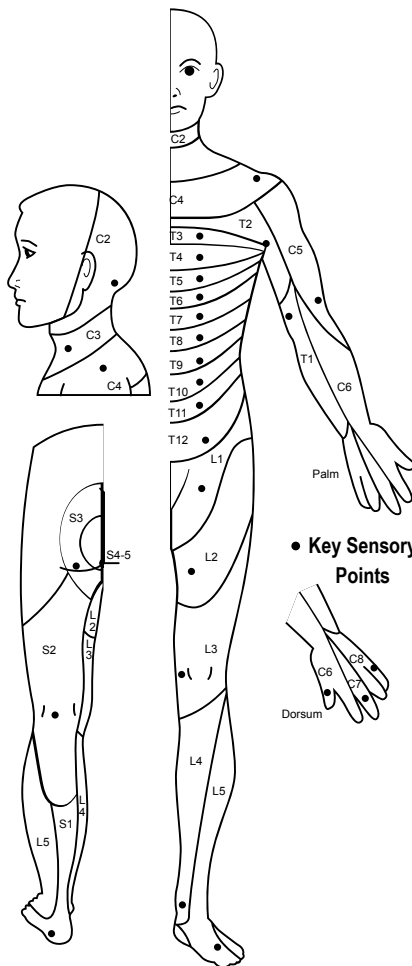
(DAP) Deep anal pressure
(Yes/No) ☐

LEFT TOTALS
(MAXIMUM)

(50)

(56)

(56)



• Key Sensory
Points

**NEUROLOGICAL
LEVELS**

Steps 1-5 for classification
as on reverse

1. SENSORY ☐ R ☐ L
2. MOTOR ☐ R ☐ L

3. NEUROLOGICAL
LEVEL OF INJURY ☐
(NLI)

4. COMPLETE OR INCOMPLETE? ☐
Incomplete = Any sensory or motor function in S4-5

5. ASIA IMPAIRMENT SCALE (AIS) ☐
(In complete injuries only)
**ZONE OF PARTIAL
PRESERVATION**
Most caudal level with
any innervation

SENSORY ☐ R ☐ L
MOTOR ☐ R ☐ L

Other Neurological Deficit

☐ Myelopathy
☐ Periph. nerve injury NO cord injury
☐ Periph. nerve injury with cord injury
☐ None
☐ Unknown