

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

Patient Name _____ Date/Time of Exam _____

Examiner Name _____ Signature _____

RIGHT

MOTOR KEY MUSCLES

Elbow flexors C5

Wrist extensors C6

Elbow extensors C7

Finger flexors C8

Finger abductors (little finger) T1

Hip flexors L2

Knee extensors L3

Ankle dorsiflexors L4

Long toe extensors L5

Ankle plantar flexors S1

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

SENSORY KEY SENSORY POINTS

Light Touch (LTR) Pin Prick (PPR)

C2

C3

C4

T2

T3

T4

T5

T6

T7

T8

T9

T10

T11

T12

L1

S2

S3

S4-5

LEFT

MOTOR KEY MUSCLES

Elbow flexors C5

Wrist extensors C6

Elbow extensors C7

Finger flexors C8

Finger abductors (little finger) T1

Hip flexors L2

Knee extensors L3

Ankle dorsiflexors L4

Long toe extensors L5

Ankle plantar flexors S1

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

SENSORY KEY SENSORY POINTS

Light Touch (LTL) Pin Prick (PPL)

C2

C3

C4

T2

T3

T4

T5

T6

T7

T8

T9

T10

T11

T12

L1

S2

S3

S4-5

• Key Sensory Points

RIGHT TOTALS (MAXIMUM)

UETR (MAX 25) + UEL (25) = UEMS TOTAL (50)

LETR (MAX 25) + LEL (25) = LEMS TOTAL (50)

LEFT TOTALS (MAXIMUM)

UETR (MAX 25) + UEL (25) = UEMS TOTAL (50)

LETR (MAX 25) + LEL (25) = LEMS TOTAL (50)

MOTOR SUBSCORES

UETR (MAX 25) + UEL (25) = UEMS TOTAL (50)

LETR (MAX 25) + LEL (25) = LEMS TOTAL (50)

SENSORY SUBSCORES

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

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

NEUROLOGICAL LEVELS

1. SENSORY R L

2. MOTOR R L

3. NEUROLOGICAL LEVEL OF INJURY (NLI)

4. COMPLETE OR INCOMPLETE? (In injuries with absent motor OR sensory function in S4-5 only)

5. ASIA IMPAIRMENT SCALE (AIS)

6. ZONE OF PARTIAL PRESERVATION

Sensory R L

Motor R L

7. ZONE OF PARTIAL PRESERVATION

Sensory R L

Motor R L

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Figure 1.

The dermatome chart per the International Standards for Neurological Classification of Spinal Cord Injury worksheet.¹

(<https://asia-spinalinjury.org/international-standards-neurological-classification-sci-isncsci-worksheet/>).