



**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		
C5		
C6		
C7		
C8		
T1		
T2		
T3		
T4		
T5		
T6		
T7		
T8		
T9		
T10		
T11		
T12		
L1		
L2		
L3		
L4		
L5		
S1		
S2		
S3		
S4-5		
<b>RIGHT TOTALS</b>		

**UER**  
(Upper Extremity Right)

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

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

**LER**  
(Lower Extremity Right)

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

(VAC) Voluntary anal contraction (Yes/No)

**MOTOR SUBSCORES**

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

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

**LEFT**

**MOTOR KEY MUSCLES**

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

C2		
C3		
C4		
C5		
C6		
C7		
C8		
T1		
T2		
T3		
T4		
T5		
T6		
T7		
T8		
T9		
T10		
T11		
T12		
L1		
L2		
L3		
L4		
L5		
S1		
S2		
S3		
S4-5		
<b>LEFT TOTALS</b>		

**UEL**  
(Upper Extremity Left)

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

**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/dysesthesia  
NT = not testable

**SENSORY (SCORING ON REVERSE SIDE)**

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

**LEL**  
(Lower Extremity Left)

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

(DAP) Deep anal pressure (Yes/No)

**SENSORY SUBSCORES**

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

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

BCR Status  Present  Absent  Unknown

Cauda Equina Syndrome:  Yes  No  Unknown

**NEUROLOGICAL LEVELS**

Steps 1-5 for classification as on reverse

1. SENSORY 

R	L
<input type="text"/>	<input type="text"/>

2. MOTOR 

R	L
<input type="text"/>	<input type="text"/>

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
<input type="text"/>	<input type="text"/>

MOTOR 

R	L
<input type="text"/>	<input type="text"/>

**Other Neurological Deficit**

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