

General Autonomic Function

Cardiovascular	Scoring	Condition	Definitions	Score
Heart Rate	Normal (2)		61-99 bpm	
Supine _____ bpm	Altered (1)	Bradycardia	≤ 60 bpm	
		Tachycardia	≥ 100 bpm	
		Arrhythmias §		
Seated _____ bpm	Not Tested (NT): indicate reason other comments:			
Systolic BP	Normal (2)		91-139 mmHg	
Supine _____ mmHg	Altered (1)	Supine Hypotension	SBP ≤ 90 mmHg	
		Orthostatic Hypotension	Fall ≥ 20 mmHg within 10 minutes*	
		Neurogenic Shock	within 30 days of injury; heart rate ≤ 60 bpm; SBP ≤ 90 mmHg	
Seated _____ mmHg	Not Tested (NT): indicate reason, other comments:	Autonomic Dysreflexia**	increase in SBP > 20 mmHg above baseline	
		Supine Hypertension	≥ 140 mmHg	
Diastolic BP	Normal (2)		61-89 mmHg	
Supine _____ mmHg	Altered (1)	Supine Hypotension	≤ 60 mmHg	
		Orthostatic Hypotension	Fall ≥ 10 mmHg within 10 minutes*	
		Supine Hypertension	≥ 90 mmHg	
Seated _____ mmHg	Not Tested (NT): indicate reason other comments:			

§ define the arrhythmia; * within 3 minutes, but delayed orthostatic hypotension; within 10 minutes, may be more common in the SCI population. ** self-report "within the past 7-days, unanticipated i.e., not in response to known intervention (e.g., medication).

Thermoregulation	Scoring	Conditions	Definitions	Score
Core Body Temp**	Normal (2)	Normal	36.4-37.6 °C (97.5-99.7 °F)	
_____ °C or _____ °F	Altered (1)	Subnormal	35.1-36.3 °C (95.1-97.4 °F)	
_____ °C or _____ °F		Elevated	37.7-37.9°C (99.8-100.3 °F)	
_____ °C or _____ °F		Hypothermia	≤35°C (≤95°F)	
		Hyperthermia	≥38.0°C (≥100.4°F)	
	Not Tested (NT): indicate reason, other comments:			

** Under ambient conditions: 20-25°C (68-77°F); 30-50% relative humidity; wearing single-layer, indoor garments; after 10-minutes of rest; no acute illness or infection

continued

Sudomotor*	Scoring	Conditions	Definitions	Score
	Normal (2)	Normal sweating	Sweating on all skin surfaces	
		Indicate the condition(s) met if scored as (1)		
	Altered (1)	Hypohidrosis	Diminished sweating above NLI Diminished sweating below NLI	
		Hyperhidrosis	Excessive sweating above NLI Excessive sweating below NLI	
	Absent (0)	Anhidrosis	No sweating above or below NLI	
Not Tested (NT): indicate reason, other comments:				

* Record sweating responses to high ambient heat or exercise only. Do not record sweating associated with AD, OH, or mental stress.

Broncho-pulmonary System	Findings	Conditions	Definition	Score
	Normal (2)			
		Invasive ventilation	24 hours/day	
	Altered (1)	Partial invasive ventilatory support	< 24 hours/day	
		Impaired voluntary respiration not requiring ventilatory support	Continuous Positive Airway Pressure (CPAP) for sleep apnea	
Not Tested (NT): indicate reason, other comments:				

Forced Vital Capacity (FVC)
supine ____ seated ____
abdominal binder: YES ____ NO ____
mL ____; kg ____; mL/kg ____

Total Score General Autonomic Section

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Sacral Autonomic Function

Bladder Emptying Method
 Frequency
 Timing
 Voluntarily Yes _____ No _____

System/Organ	Scoring	Anticipated Function (based on ISNCSCI)	Anticipated Functional Score	Patient Reported Score
Awareness bladder fullness	Normal (2)	Any level injury with normal sensation in the T11-L2 and S3-S5 dermatomes		
	Altered (1)	Any level injury with partial preservation of sensation in the T11-L2 and/or S3-S5 dermatomes		
	Absent (0)	NLI at or above T9 no sensation below		

Not Tested (NT): indicate reason, other comments

Ability to prevent bladder leakage	Normal (2)	Individuals with normal sensation and motor function in the S3-S5 dermatomes		
	Altered (1)	Individuals with partial sensation and motor function in the S3-S5 dermatomes		
	Absent (0)	No motor function at the S3-5 dermatomes		

Not Tested (NT): indicate reason, other comments:

Bowel Emptying Method
 Frequency
 Timing
 Voluntarily Yes _____ No _____

Awareness of bowel fullness	Normal (2)	Normal sensation and motor function in the S3-S5 dermatomes		
	Altered (1)	Partial preservation of sensation or motor function in the S3-S5 dermatomes		
	Absent (0)	No sensation or motor function in the S3-5 dermatomes		

Not Tested (NT): indicate reason, other comments:

System/Organ	Scoring	Anticipated Function (based on ISNCSCI)	Anticipated Functional Score	Patient Reported Score
Ability to prevent bowel leakage	Normal (2)	Individuals with normal sensation and motor function in the S3-S5 dermatomes		
	Altered (1)	Individuals with partial sensation and motor function in the S3-S5 dermatomes		
	Absent (0)	No motor function at the S3-5 dermatomes		
	Not Tested (NT): indicate reason, other comments:			
Psychogenic arousal	Normal (2)	Normal sensation and reflex motor function at T11-L2		
	Altered (1)	Partial sensation and motor reflex function at T11-L2		
	Absent (0)	No sensation or reflex motor function at T11-L2		
	Not Tested (NT): indicate reason, other comments:			
Reflex genital arousal	Normal (2)	Normal sensation and reflex function at S3-5		
	Altered (1)	Partial sensation and/or motor reflex function at S3-S5		
	Absent (0)	No sensation or motor function at S3-S5 and absent sacral reflex		
	Not Tested (NT): indicate reason, other comments:			
Orgasm	Normal (2)	Intact S3-5 sensation and or motor function with any degree of preserved sacral reflexes		
	Altered (1)	No S3-5 sensation or motor function and preserved sacral reflexes		
	Absent (0)	No S3-5 sensation or motor function and absent sacral reflexes		
	Not Tested (NT): indicate reason, other comments:			
Ejaculation	Normal (2)	Normal T11-12 sensation and sacral reflexes		
	Altered (1)	Diminished sensation at T11-12 dermatomes and normal sacral reflexes		
	Absent (0)	No sensation at T11-12 dermatomes and absent sacral reflexes		
	Not Tested (NT): indicate reason, other comments:			
Total Score Sacral Autonomic Section				