

# NEUROSTATUS SCORING

Scoring Sheet for a standardised, quantified neurological examination and assessment of Kurtzke's Functional Systems and Expanded Disability Status Scale in Multiple Sclerosis

STUDY NAME

PERSONAL INFORMATION

Patient

Date of Birth (04-Jun-1980)   -     -

Centre Nr/Country

Name of EDSS rater

Date of Examination   -     - 2 0

SYNOPSIS

1. Visual	<input type="text"/>	<sup>1</sup>	Ambulation Score	<input type="text"/>
2. Brainstem	<input type="text"/>			
3. Pyramidal	<input type="text"/>		EDSS Step	<input type="text"/>
4. Cerebellar	<input type="text"/>			
5. Sensory	<input type="text"/>			
6. Bowel/Bladder	<input type="text"/>	<sup>1</sup>	Signature	<input type="text"/>
7. Cerebral	<input type="text"/>			

## 1. VISUAL (OPTIC) FUNCTIONS

OPTIC FUNCTIONS	OD	OS	Scotoma	<input type="text"/>	<input type="text"/>
Visual acuity <input type="checkbox"/> CC <input type="checkbox"/> SC	<input type="text"/>	<input type="text"/>	* Disc pallor	<input type="text"/>	<input type="text"/>
Visual fields	<input type="text"/>	<input type="text"/>	FUNCTIONAL SYSTEM SCORE	<input type="text"/>	<input type="text"/>

## 2. BRAINSTEM FUNCTIONS

CRANIAL NERVE EXAMINATION	
Extraocular movements (EOM) impairment	<input type="text"/>
Nystagmus	<input type="text"/>
Trigeminal damage	<input type="text"/>
Facial weakness	<input type="text"/>
Hearing loss	<input type="text"/>
Dysarthria	<input type="text"/>
Dysphagia	<input type="text"/>
Other cranial nerve functions	<input type="text"/>
FUNCTIONAL SYSTEM SCORE	<input type="text"/>

## 3. PYRAMIDAL FUNCTIONS

REFLEXES	R	> <	L
Biceps	<input type="text"/>	<input type="text"/>	<input type="text"/>
Triceps	<input type="text"/>	<input type="text"/>	<input type="text"/>
Brachioradialis	<input type="text"/>	<input type="text"/>	<input type="text"/>
Knee	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ankle	<input type="text"/>	<input type="text"/>	<input type="text"/>
Plantar response	<input type="text"/>	<input type="text"/>	<input type="text"/>
Cutaneous reflexes	<input type="text"/>	<input type="text"/>	<input type="text"/>
* Palmomental reflex	<input type="text"/>	<input type="text"/>	<input type="text"/>
LIMB STRENGTH	R	L	
Deltoid	<input type="text"/>	<input type="text"/>	
Biceps	<input type="text"/>	<input type="text"/>	
Triceps	<input type="text"/>	<input type="text"/>	
Wrist/finger flexors	<input type="text"/>	<input type="text"/>	
Wrist/finger extensors	<input type="text"/>	<input type="text"/>	
Hip flexors	<input type="text"/>	<input type="text"/>	
Knee flexors	<input type="text"/>	<input type="text"/>	
Knee extensors	<input type="text"/>	<input type="text"/>	
Plantar flexion (feet/toes)	<input type="text"/>	<input type="text"/>	
Dorsiflexion (feet/toes)	<input type="text"/>	<input type="text"/>	
* Position test UE, pronation	<input type="text"/>	<input type="text"/>	
* Position test UE, downward drift	<input type="text"/>	<input type="text"/>	
* Position test LE, sinking	<input type="text"/>	<input type="text"/>	
* Able to lift only one leg at a time (grade in °)	<input type="text"/>	<input type="text"/>	
* Walking on heels	<input type="text"/>	<input type="text"/>	
* Walking on toes	<input type="text"/>	<input type="text"/>	
* Hopping on one foot	<input type="text"/>	<input type="text"/>	
SPASTICITY			
Arms	<input type="text"/>	<input type="text"/>	
Legs	<input type="text"/>	<input type="text"/>	
Gait	<input type="text"/>	<input type="text"/>	
OVERALL MOTOR PERFORMANCE	<input type="text"/>		
FUNCTIONAL SYSTEM SCORE	<input type="text"/>		

CC = corrected      \* = optional part of the examination  
 SC = without correction      <sup>1</sup> = converted FS Score

#### 4. CEREBELLAR FUNCTIONS

CEREBELLAR EXAMINATION			
Head tremor			
Truncal ataxia			
	R	L	
Tremor/dysmetria UE			
Tremor/dysmetria LE			
Rapid alternating movements UE impairment			
Rapid alternating movements LE impairment			
Tandem walking			
Gait ataxia			
Romberg test			
Other, e. g. rebound			
FUNCTIONAL SYSTEM SCORE			

#### 5. SENSORY FUNCTIONS

SENSORY EXAMINATION		R	L		
Superficial sensation UE					
Superficial sensation trunk					
Superficial sensation LE					
Vibration sense UE					
Vibration sense LE					
Position sense UE					
Position sense LE					
* Lhermitte's sign					
* Paraesthesiae UE					
* Paraesthesiae trunk					
* Paraesthesiae LE					
FUNCTIONAL SYSTEM SCORE					

#### 6. BOWEL/ BLADDER FUNCTIONS

Urinary hesitancy/retention		Bowel dysfunction	
Urinary urgency/incontinence		* Sexual dysfunction	
Bladder catheterisation		FUNCTIONAL SYSTEM SCORE	<input type="text"/> → <input type="text"/> <sup>1</sup>

#### 7. CEREBRAL FUNCTIONS

MENTAL STATUS EXAMINATION			
° Depression		Decrease in mentation	
° Euphoria		+ Fatigue	
FUNCTIONAL SYSTEM SCORE			

#### AMBULATION

Distance reported by patient (in meters)		Assistance	
Time reported by patient (in minutes)		Distance measured (in meters)	
AMBULATION SCORE			

\* = optional part of the examination

<sup>1</sup> = converted FS Score

° Depression and Euphoria are not taken into consideration for FS and EDSS calculation.

+ Because fatigue is difficult to evaluate objectively, in some studies it does not contribute to the Cerebral FS score or EDSS step. Please adhere to the study's specific instructions.

UE = upper extremities

LE = lower extremities