



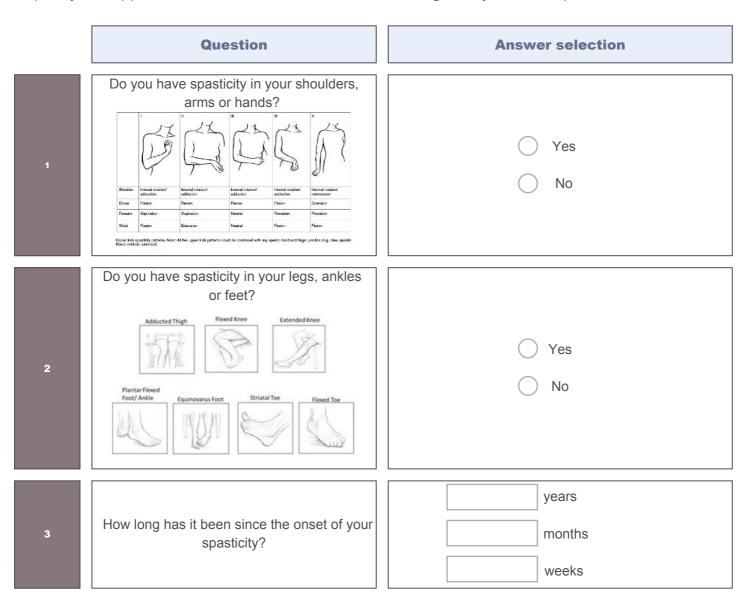


## Management of Spasticity After Stroke: Checklist for people with lived experience

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The Management of Spasticity After Stroke Checklist has been developed to assist patients and their caregivers in managing spasticity. Spasticity is a condition in which there is an abnormal increase in muscle tone or stiffness of muscle, which might interfere with movement, speech, or be associated with discomfort or pain. Some spasticity may also be useful in certain muscle groups as an alternative to muscle voluntary activation to provide support in transfers or standing, for example. Spasticity is usually caused by damage to the central nervous system, within the brain or spinal cord. It is frequent amongst stroke survivors and usually manifests itself a few weeks to a few months after the stroke. There is effective treatment for this condition, therefore it is important to get patients referred to a spasticity specialist once symptoms are noticed.

This activity is part of the World Stroke Academy Life After Stroke project, that aims to improve the quality of support and educational material available globally on the topic of Life After Stroke.



		Left side	Right side	
		Face	Face	
		Shoulder	Shoulder	
		Elbow	Elbow	
		Arm	Arm	
		Forearm	Forearm	
4	Which part of your body is affected by spasticity? Check all that apply:	Wrist	Wrist	
		Fingers	Fingers	
		Upper leg/thigh	Upper leg/thigh	
		Knee	Knee	
		Ankle	Ankle	
		Toes	Toes	
		○ Yes		
		Painful segment (lengthy period of pain >1min)		
		Pain at rest		
		Pain when passively mobilized		
		□ Forearm         □ Forearm           □ Wrist         □ Wrist           □ Fingers         □ Fingers           □ Upper leg/thigh         □ Upper leg/thigh           □ Knee         □ Knee           □ Ankle         □ Ankle           □ Toes         □ Toes           □ Painful segment (lengthy period of pain >1min)         □ Pain at rest		
5	Do you feel pain due to spasticity? Other type of discomfort?	Burning p	ain	
		Freezing pain		
		Numb pain		
		Heavines	SS	
		○ No		

6	Do you feel fatigue due to spasticity?	Yes		
	Do you reer rangue due to spasticity:	O No		
7	Do you have anomal bacques of anosticity?	Yes		
	Do you have spasms because of spasticity?	O No		
	Do you have contractures in the spastic limb, even when using another limb, or when	○ Yes		
8	someone else slowly moves your affected limb? (eg. restricted range of movement even when mobilizing your limb passively and slowly)	○ No		
	Does spasticity limit your ability to care for yourself or to perform other activities of daily living?			
	- Hygiene	○ Yes ○ No		
	- Grooming	◯ Yes ◯ No		
9	- Dressing	○ Yes ○ No		
	- Feeding	○ Yes ○ No		
	- Using the toilet	○ Yes ○ No		
	- Using splints	○ Yes ○ No		
	Does spasticity limit your mobility ?			
	- Walking	○ Yes ○ No		
10	- Transfer (from one flat surface to another)	○ Yes ○ No		
	- Standing	○ Yes ○ No		
	- Falls	○ Yes ○ No		
	Does spasticity limit any other activity or participation?			
11	- Sleeping	○ Yes ○ No		
	- Leisure activities	○ Yes ○ No		
	- Driving	○ Yes ○ No		
	- Employment	○ Yes ○ No		

		Oral medication	on
		Baclofen	○ Yes ○ No
	What are your treatments for spasticity?	Tizanidin	○ Yes ○ No
		Benzodiazepins	○ Yes ○ No
		Gabapentin/pregabalin	○ Yes ○ No
		Botulinum toxin injection  Every how many months?	○ Yes ○ No
12	How many days weekly?		
12		Splinting /orthotics	○ Yes ○ No
		Casting	○ Yes ○ No
		Intrathecal baclofen	○ Yes ○ No
		Surgery	○ Yes ○ No
		Neurosurgery	○ Yes ○ No
		Orthopaedic surgery	○ Yes ○ No
	How many days weekly?	Stretching - self / by a carer / by a profession	al
		Range of motion exercises - self / by a carer / by a professional	
13		Task training exercises - self / by a carer / by a profession	
		Grab/release	
		Reaching	
		Manual/bimanual tasks	
		Tranfers	
		Balance	
		Walking	

13	How many days weekly?	Strength training exercises - self / by a carer / by a professional  Physical modalities - self / by a carer / by a professional  Heat  Cold  Electrical stimulation  Magnetic stimulation	
	How compliant are you to the spasticity treatments?		
	STRETCHING	Fully compliant	
		Mostly compliant	
		Fairly non-compliant	
	EXERCISING	Completely non-compliant	
		Fully compliant	
		Mostly compliant	
		Fairly non-compliant	
		Completely non-compliant	
14	TASK TRAINING	Fully compliant	
		Mostly compliant	
		Fairly non-compliant	
		Completely non-compliant	
	MEDICATIONS	Fully compliant	
		Mostly compliant	
		Fairly non-compliant	
		Completely non-compliant	
	ORTHOSIS USAGE	Fully compliant	
		Mostly compliant	
		Fairly non-compliant	
		Completely non-compliant	

Are you considering, or have you ever considered discontinuing your current spasticity medication?

$\bigcirc$	A. I am currently considering discontinuing it.
$\bigcirc$	B. I have considered discontinuing it in the past.
	C. I have proven considered discontinuing it

How important were the following factors in your considering discontinuing your spasticity medication?

[score 0 (unimportant) – 3 (important) for each]

C. I have never considered discontinuing it.				
	0 (Unimportant)	1 (Somewhat important)	2 (Important)	3 (Very Important)
Jnable to easily attend the treatment clinic				
Financial costs of treatment are too great				
Other logistical reason [please specify]				
I experienced side effects from the treatment				
I feel the treatment has never been effective enough				
I feel the treatment was effective at first, out now it is not effective enough				
I feel the treatment is painful/unpleasa nt to administer				
My doctor feels the treatment is not working				
My doctor feels the treatment has worked and now I no longer need it				
I am going to receive a different medicine instead				
I am going to receive a surgical treatment instead				
I am going to receive a physiotherapy alone instead (ie. no medicine)				
Another reason for considering discontinuing your spasticity medication				

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		1
		Difficulty to access a spasticity specialist
		Yes
		○ No
		Difficulty to perform positioning/exercises
		Difficulty to perform positioning/exercises  Yes  No
16	Yes	Yes
	What barriers to spasticity management have you	Lack of access to occupational or physical therapy  Yes
	faced, if any?	
		○ No
		Others, please state:

## **Treatment options for spasticity:** 1. NONPHARMACOLOGIC TREATMENT OF SPASTICITY Stretching Fitting of splints/braces and serial casting Thermotherapy Neuromuscular electrical stimulation (NEMS) Functional electrical stimulation of upper and lower extremity Kinesiotherapy (PT/OT) Muscle strengthening Task training Aerobic training Use of robotics Use of virtual reality 2. PHARMACOLOGIC TREATMENT OF SPASTICITY Oral medications (Baclofen, Tizanidine, Dantrolene, Diazepam) Phenol/alcohol neurolysis Botulinum toxin Intrathecal baclofen Cryoneurolisis 3. SURGICAL TREATMENT OF SPASTICITY

## D. OUROIONE TREATMENT OF OF NOTION

- Orthopedic procedures
- Neurosurgical procedures

## References

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