

## Appendix 1 Full Search Strategy in All Searched Databases

Keywords:

Population:

(stroke or “cerebrovascular accident\*” or “cerebro vascular accident\*” or “cerebral vascular event\*” or cva or cve) OR (stroke [MeSh] (where possible) OR

(“spinal cord injur\*” or “spinal injur\*” or sci) OR (spinal cord injuries [MeSH]) (where possible) OR

(“brain injur\*” or “head injur\*” or “traumatic brain injur\*” or “acquired brain injur\*” or tbi) OR (brain injuries [MeSh]) (where possible) OR

(“multiple sclerosis” or ms) OR (multiple sclerosis [MeSh]) (where possible) OR

(disability\* or disabled) OR (disabilities [MeSh])(where possible) AND

Intervention (action): “Modified Tardieu Scale” AND

Outcome: (spasticity or hypertonia or spasm) OR (spasticity [MeSh]) (where possible)

Pubmed/Medline:

Number	Search
#1	“Modified Tardieu Scale” [Text Word]
#2	"Stroke"[Text Word] OR "cerebrovascular accident*" [Text Word] OR "cerebro vascular accident*" [Text Word] OR "cva"[Text Word] OR "cerebral vascular event*" [Text Word] OR "cve"[Text Word] OR "Stroke"[MeSH Terms]
#3	"Brain Injuries"[MeSH Terms] OR "brain injur*" [Text Word] OR "head injur*" [Text Word] OR "traumatic brain injur*" [Text Word] OR "acquired brain injur*" [Text Word] OR "tbi"[Text Word] OR "abi"[Text Word]
#4	"Spinal Cord Injuries"[MeSH Terms] OR "spinal cord injur*" [Text Word] OR "sci"[Text Word] OR "spinal injur*" [Text Word]
#5	"Multiple Sclerosis"[MeSH Terms] OR "Multiple Sclerosis"[Text Word] OR "ms"[Text Word]
#6	"disabilit*" [Text Word] OR "disabled"[Text Word] OR "Disability Studies"[MeSH Terms] OR "Physician Impairment"[MeSH Terms]
#7	#2 OR #3 OR #4 OR #5 OR #6
#8	"Muscle Spasticity"[MeSH Terms] OR "spasticity"[Text Word] OR "hypertonia"[Text Word] OR "spasm"[Text Word]
#9	#1 AND # 7 AND #8
#10	Limits: End date: 2020.12.31

## CINAHL PLUS:

Number	Search Terms	Search options
S1	TX“Modified Tardieu Scale”	Search modes: Boolean/Phrase Expanders: Apply equivalent subjects
S2	TX stroke or "cerebrovascular accident*" or "cerebro vascular accident*" or cva or “cerebral vascular event*” or cve	
S3	(MH “Stroke+”)	
S4	S1 OR S2	
S5	TX “spinal cord injur*” or sci or “spinal injur*”	
S6	(MH “Spinal Cord Injuries+”) OR (MH “ Spinal Injuries+”)	
S7	S5 OR S6	
S8	TX “Brain injur*” or “head injur*” or “traumatic brain injur*” or “acquired brain injur*” or tbi or abi	
S9	(MH “Brain Injuries”)	
S10	S8 OR S9	
S11	TX “Multiple sclerosis” or ms	
S12	(MH “Multiple Sclerosis+”)	
S13	S11 OR S12	
S14	TX Disabilit* or disabled	
S15	(MH “Disability Management”) OR (MH “Disability Evaluation+”)	
S16	S14 OR 15	
S17	S4 OR S7 OR S10 OR S13 OR 16	
S18	TX Spasticity or hypertonia or spasm	
S19	(MH “Muscle Spasticity”)	
S20	S18 OR S19	
S21	S1 AND S17 AND S20	
S22	Limit: Publication Year: -2020	

## EMBASE:

Number	Searches
1	“Modified Tardieu Scale” .tw.
2	(stroke or "cerebrovascular accident*" or "cerebro vascular accident*" or cva or "cerebral vascular event*" or cve).tw.
3	stroke.mp. or exp cerebrovascular accident/
4	2 OR 3
5	("spinal cord injur*" or "spinal injur*" or sci).tw.
6	spinal cord injury.mp. or exp spinal cord injury/
7	5 OR 6
8	("brain injur*" or "head injur*" or "traumatic brain injur*" or "acquired brain injur*" or tbi or abi).tw.
9	brain injury.mp. or exp brain injury/
10	8 OR 9
11	("multiple sclerosis" or ms).tw.
12	multiple sclerosis.mp. or exp multiple sclerosis/
13	11 OR 12
14	(disabilit* or disabled).tw.
15	exp disability/
16	14 OR 15
17	4 OR 7 OR 10 OR 13 OR 16
18	(spasticity or hypertonia or spasm).tw.
19	spasticity.mp. or exp spasticity/
20	18 OR 19
21	1 AND 17 AND 20 Limits: Specific year range: to 2020

## Cochrane Library:

Number	Search	Limits/Filters
#1	All text “Modified Tardieu Scale”	
#2	MeSH descriptor: [Stroke] explode all trees	
#3	All text-Stroke or “cerebrovascular accident*” or “cerebro vascular accident*” or “cerebral vascular event*” or cva or cve	
#4	#2 or #3	
#5	MeSH descriptor: [Spinal Cord Injuries] explode all trees OR [Spinal injuries] explode all trees	
#6	All text “spinal cord injur*” or “spinal injur*” or sci	
#7	#5 OR #6	
#8	MeSH descriptor: [Brain injuries] explode all trees	
#9	All text “brain injur*” or “head injur*” or “traumatic brain injur*” or “acquired brain injur*” or tbi or abi	
#10	#8 or #9	
#11	MeSH descriptor: [Multiple Sclerosis] explore all trees	
#12	All text “multiple sclerosis” or ms	
#13	#11 OR #12	
#14	MeSH descriptor: [Disability Evaluation] explode all trees	
#15	All text Disabilit* or disabled	
#16	#14 OR #15	
#20	#4 OR #7 OR #10 OR #13 OR #16	
#21	MeSH descriptor: [Muscle spasticity] explode all trees	
#22	All text Spasticity or hypertonia or spasm	
#23	#21 or #23	
#24	#23 AND #20 AND #1	Limit: with Cochrane library publication date to Dec 2020

## Web of Science:

Set	Search
#1	ALL=("Modified Tardieu Scale")
#2	ALL=(Stroke or "cerebrovascular accident*" or "cerebro vascular accident*" or "cerebral vascular event*" or cva or cve)
#3	ALL=("spinal cord injur*" or "spinal injur*" or sci)
#4	ALL=("brain injur*" OR "head injur*" OR "traumatic brain injur*" OR "acquired brain injur*" OR tbi OR abi )
#5	ALL=("multiple sclerosis" OR ms)
#6	ALL=(disabilit* or disabled)
#7	#2 OR #3 OR #4 OR #5 OR #6
#8	ALL=(spasticity OR hypertonia OR spasm)
#9	#1 AND #7 AND #8
#10	Exclude—publication years(2021)

## PEDro:

Abstract & Title: "Modified Tardieu Scale" "Spasticity"

Subdiscipline: neurology

When Searching: Match all search terms (AND)