ONLINE APPENDIX 1

Note: This is Online Appendix 1 of James, B., Mashola, M.K. & Mothabeng, D.J., 2022, 'Determining the management of pain in people with spinal cord injury by physiotherapists in South Africa', South African Journal of Physiotherapy 78(1), a1767. https://doi.org/10.4102/sajp.v78i1.1767

TABLE 1-A1: Search strategy for MEDLINE (PubMed). Search conducted on May 20, 2022.

Search number	Query	Results
8	#7 AND Humans [species]	21
7	#5 AND #6	25
6	#3 AND #4	751
5	#1 AND #2	13,112
4	"south africa"[Text Word] AND ("south africa"[MeSH Terms] OR ("South"[All Fields] AND "Africa"[All Fields]) OR "south africa"[All Fields])	61,321
3	"physical therapy modalities" [MeSH Terms] OR "physical therapy modalities" [MeSH Terms] OR ("physical therapy modalities" [MeSH Terms] OR ("physical" [All Fields] AND "therapy" [All Fields] AND "modalities" [All Fields]) OR "physical therapy modalities" [All Fields] OR "physiotherapies" [All Fields] OR "physiotherapy" [All Fields]) OR ("physical therapy modalities" [MeSH Terms] OR ("physical" [All Fields] AND "therapy" [All Fields] AND "modalities" [All Fields]) OR "physical therapy modalities" [All Fields] OR ("physical" [All Fields]) AND "therapy" [All Fields]) OR "physiotherapeutic" [All Fields] OR "physiotherapeutics" [All Fields]) OR ("physiotherapeutical" [All Fields]) OR ("therapeutical" [All Fields]) OR "therapeutical" [All Fields] OR "therapeutics" [All Fields]) OR "therapeutics" [All Fields]) OR "therapeutics" [All Fields] OR "therapeutics" [All Fields]) OR "therapeutics" [All Fields] OR "therapeutics" [All Fields] OR "therapeutics" [All Fields] OR "therapy" [All Fields] OR "therapy" [All Fields]] OR "therapy" [All Fields] OR "therapy" [All Fields]] OR "therapys" [All Fields]]	11,236,989
2	"Spinal Cord Injuries"[MeSH Terms] OR "Spinal Injuries"[MeSH Terms] OR "Spinal Cord Injuries"[All Fields] OR "spinal cord injury"[All Fields] OR "spinal injury"[All Fields] OR "Spinal Injuries"[All Fields] OR "sci"[Text Word]	112,678
1	"pain management"[MeSH Terms] OR "pain"[MeSH Terms] OR "pain"[All Fields] OR "pain management"[All Fields] OR "pain intervention"[All Fields] OR "pain interventions"[All Fields] OR "pain treatment"[All Fields] OR "pain treatments"[All Fields]	946,268

Please specify the number of years of Q6 Online survey experience as a qualified physiotherapist. Q1 Age Q2 Gender Q7 Please specify the number of years of Male experience in the field of spinal cord injury. Female Q3 Please select your most appropriate job Please specify your post graduate qualification description as a Physiotherapist. and field of practice. (Write n/a if not applicable) Clinician Academic Roughly how many spinal cord injury patients Other with pain do you treat in a month? Q4 Please select your current province of practice. Q10 Do you have any special interest in pain management in people with spinal cord injury? Limpopo Yes Mpumalanga No Gauteng Please specify your most-used treatment North-West modality to treat pain in People With Spinal Cord Injury (Write the modality name in full) Kwazulu-Natal Free State Q11b Do you select the treatment modality according to any of the following criteria? Northern Cape Yes No Eastern Cape O Type of pain (neuropathic / nociceptive) Western Cape Onset of pain (sudden / gradual) Q5 Please select your current area of employment. Duration of pain (acute / chronic) Public tertiary/academic hospital Location of pain (above the level of injury Public specialised rehabilitation hospital / below the level of injury) Public Secondary/District hospital Intensity of the pain (mild / severe) Public Primary hospital /clinic Pain interference with daily activities Private hospital Pain interference with overall mood Private specialized rehabilitation hospital Pain interference with sleep Private practice Cost of treatment modality University **Duration of treatment modality**

Other

	Yes	No	Q13a Please specify your third most-use modality to treat pain in People With Spina			
Patients' preference	0	0	(Write the modality name in full)			
Other treatments the patients receive, including the past medical history	0	C	Q 13b Do you select the treatment moda	lity acc	ording	
Do you consider various psychosocial			to any of the following criteria?		J. W	
factors while deciding the treatment. (e.g. cultural considerations, depression,		0		Yes	No	
lifestyle factors)			Type of pain (neuropathic / nociceptive)	0	0	
12a. Please specify your second most-umodality to treat pain in People With Spina		atment	Onset of pain (sudden / gradual)	0	C	
Injury (Write the modality name in full)			Duration of pain (acute / chronic)	0	0	
Q12b Do you select the treatment modal	lity acco	ording	Location of pain (above the level of injury / below the level of injury)	C	C	
to any of the following criteria?	Yes	No	Intensity of the pain (mild / severe)	0	O	
Type of pain (neuropathic/nociceptive)	C	C	Pain interference with daily activities	0	0	
Onset of pain (sudden/gradual)	0	0	Pain interference with overall mood	0	O	
Duration of pain (acute/chronic)	0	C	Pain interference with sleep	0	O	
Location of pain (above the level of injury/below the level)		0	Cost of treatment modality	0	C	
Intensity of pain(mild/severe)		C	Duration of treatment modality	0	0	
Pain interference with daily activities		0	Patients' preference	0	0	
Pain interference with overall mood		C	Other treatments the patients receive including the past medical history	0	O	
Pain interference with sleep		O	Do you consider various psychosocial factors while deciding the treatment?	0	O.	
Cost of treatment modality		0	(e.g., cultural considerations, depression, lifestyle factors)			
Duration of treatment modality		0	Q14 Please specify any other modalities that you have not mentioned above. Kindly	-		
Patient's preference		0	of the modality. (Write n/a if not applicable			
Other treatments the patients receive, including the past medical history		0	O15 What is your actimated duration (+aa\ af	
Do you consider various psychosocial factors while deciding the treatment. (e.g. cultural considerations ,depression, life style factors)	С	С	Q15 What is your estimated duration (in minutes) of each pain treatment session when treating People with Spinal Cord Injury?			
			Q16 Is your pain management dictated If yes please specify.	by a pro	otocol?	

spina	I to treat the following pain conditions patients with al cord injury. te the modality name in full)	other conservative treatment(s) (e.g. patient education, postural correction, etc) for managing pain in people with spinal cord injury?		
	Acute nociceptive pain	Please specify.		
	Chronic nociceptive pain	Q 19 Please specify the outcome measures (e.g. VAS)		
	Acute neuropathic pain	that you use to assess the effectiveness of the pain treatment.		
	Chronic neuropathic pain			

Treatments suggested per treatment type by the physiotherapists

Type of pain	Suggested treatment
Acute	Craniosacral therapy
Nociceptive pain	Cryotherapy (specific five minutes on and five minutes off)
	Dry needling
	Education
	Electrotherapy
	Pulsed Ultrasound
	TENS
	Ergonomics
	Positioning
	Equipment
	Exercises
	Stretching exercises
	stabilizing exercises
	active and passive movements
	active functional exercises
	movement impairment corrective exercises (such as muscle length correction and joint mobility
	facilitation)
	Heat Therapy (hot packs)
	Joint mobilisations
	Massage
	Medication
	Analgesics
	Myofascial release
	Neural tissue mobilisation
	Neural tissue mobilisation
	Soft tissue mobilisation
Chronic	Aqua/hydrotherapy Aqua/hydrotherapy
Nociceptive Pain	Breathing and relaxation exercises
	Cognitive behavioural therapy
	Craniosacral therapy
	Deformity correction
	Electrotherapy
	TENS monotherapy
	TENS combination treatment [†]
	Interferential therapy
	Shockwave therapy
	Exercises
	Stretching exercises
	Cardiovascular exercises
	Passive movements
	movement impairment corrective exercises (such as muscle length correction and joint mobility facilitation)
	Graded activity
	Joint mobilisation
	Massage Medication
	Anti-depressants
	Myofascial release
	Neural tissue mobilisation
	Neural tissue mobilisation Neural tissue mobilisation
	Soft tissue mobilisation
	Neurodynamics Pain neuroscience education
	Thermotherapy

Acute	Cryotherapy
neuropathic	Desensitization and sensory stimulation techniques
pain	Electrotherapy
	TENS
	Interferential therapy
	Laser therapy
	Exercises
	Stretching exercises
	stabilizing exercises
	active and passive movements
	active functional exercises
	movement impairment corrective exercises (such as muscle length correction and joint mobility facilitation)
	Interface release
	Joint mobilisations
	Medication
	Myofascial release
	Neural tissue mobilisation
	Neural tissue mobilisation
	Soft tissue mobilisation
	Pain education
	Spinal manipulation
	Thermotherapy
Chronic	Acutouch
neuropathic	Breathing exercises
pain	Cognitive behavioural therapy
	Deformity/ postural correction
	Desensitization
	Dry needling
	Electrotherapy
	TENS
	Interferential therapy
	Exercises
	Stretching exercises
	movement impairment corrective exercises
	Postural correction
	Graded activity
	Hydrotherapy
	Myofascial release
	Joint mobilisation
	Pain education
	Medication
	Psychology referral
	Self-management strategies
	Self-efficacy Rain management programs (unchasified)
	Pain management programs (unspecified)
	Thermotherapy Tissue mobilisation
	Neural tissue mobilisation
	Soft tissue mobilisation
	Sort disac mosmisation