

Abbreviations

5-HT	5-hydroxytryptamine	CHEOPS	Children's Hospital of Eastern Ontario Pain Scale
AC	acromioclavicular	CIDP	chronic inflammatory demyelinating polyradiculoneuropathy
ACC	anterior cingulate cortex	CK	creatine kinase
ACMP	Access to Controlled Medicines Program	CLBP	chronic low back pain
ACR	American College of Rheumatology	CMT	Charcot–Marie–Tooth
ACT	acceptance and commitment therapy	CNS	central nervous system
AD	Alzheimer's disease	COMT	catechol-O-methyltransferase
ADA	Americans with Disabilities Act	CONSORT	Consolidated Standard of Reporting Trials
AHCPR	Agency for Health Care Policy and Research	COPM	Canadian Occupational Performance Measure
AIDS	acquired immunodeficiency syndrome	COX	cyclooxygenase
aINS	anterior insula	COX-2	cyclooxygenase-2
ALAT	alanine aminotransferase	CPG	clinical practice guidelines
ALP	alkaline phosphatase	CPNB	continuous peripheral nerve blockade
ANA	antinuclear antibody	CPS	chronic pain service
ANCA	antineutrophil cytoplasmic antibody	CPVI	Chronic Pain Values Inventory
ANS	autonomic nervous system	CQI	continuous quality improvement
anti-CCP	anti-cyclic citrullinated protein	CRP	C-reactive protein
AP	anteroposterior	CRPS	complex regional pain syndrome
APS	American Pain Society; or acute pain service	CSCI	continuous subcutaneous infusion
APTT	activated partial thromboplastin time	CSF	cerebrospinal fluid
ASA	American Society of Anesthesiologists	CSQ	Coping Strategies Questionnaire
ASAT	aspartate aminotransferase	CT	computed tomography
ASIS	anterior superior iliac spine	CUA	cost-utility analysis
AUC	area under the curve		
BAPQ	Bath Adolescent Pain Questionnaire	DA	dopamine
BDI	Beck Depression Inventory	DAPOS	Depression, Anxiety, and Positive Outlook Scale
BNF	British National Formulary	DASS	Depression, Anxiety and Stress Scale
BOLD	blood oxygen level dependent	DESS	Échelle Douleur Enfant San Salvador
BP	blood pressure	DLPFC	dorsolateral prefrontal cortex
BPI	Brief Pain Inventory	DNIC	diffuse noxious inhibitory control
CARF	Commission on Accreditation of Rehabilitation Facilities	DRG	dorsal root ganglion
CBF	cerebral blood flow	DSM	Diagnostic and Statistical Manual of Mental Disorders
CBT	cognitive-behavioral therapy	DTI	diffusion tensor imaging
CCBT	contextual cognitive-behavioral therapy	ECG	electrocardiogram
CCK	cholecystokinin	EDA	electrodermal activity
CCP	content, context, and process	EDTA	ethylenediaminetetraacetic acid
CEO	Chief Executive Officer	EEG	electroencephalography
CGH	cervicogenic headache	ELISA	enzyme-linked immunosorbent assay
CGRP	calcitonin gene-related peptide		

EMG	electromyogram	IPA	Impact on Participation and Autonomy
EOP	external occipital protuberance	IPG	abdominal implantable pulse generator
ERP	early receptor potential	IQ	intelligence quotient
ES	epidural space	IRB	institutional review board
ESI	epidural steroid injection	ITS	iontophoretic transdermal system
ESR	erythrocyte sedimentation rate	ITT	intention to treat
		i.v.	intravenous
FABQ	Fear-Avoidance Beliefs Questionnaire	i.v. PCA	intravenous patient-controlled opioid analgesia
FAS	Functional Activity Scale		
FBSS	failed back surgery syndrome	JCAHO	Joint Commission on Accreditation of Healthcare Organizations
FBT	fentanyl buccal tablets		
FDI	Functional Disability Inventory		
FEV	forced expiratory volume		
FLACC	Face, Legs, Arms, Cry, Consolability	LA	local anesthesia
fMRI	functional magnetic resonance imaging	LAAJ	lateral atlantoaxial joint
FPS	Faces Pain Scale	LBP	low back pain
FPS-R	Faces Pain Scale-Revised	LC	locus coeruleus
FT4	free thyroxine	LED	light-emitting diode
FVC	forced vital capacity	LFCN	lateral femoral cutaneous nerve
		LMWH	low molecular weight heparin
gammaGT	γ -glutamyl transferase	LOC	locus of control
GAN	greater auricular nerve	LOCF	last observation carried forward
GCP	Good Clinical Practice	LON	lesser occipital nerve
GI	gastrointestinal	LORT	technique of loss of resistance
GMP	good manufacturing practice	LP	lumbar puncture
GON	greater occipital nerve	LTP	long-term potentiation
HA	hyaluronic acid	M3G	morphine-3-glucuronide
HIV	human immunodeficiency virus	M6G	morphine-6-glucuronide
HIZ	high intensity zones	MAAS	Mindful Attention Awareness Scale
HLA	human leukocyte antigen	MB	medial branch
HMO	health maintenance organization	MCP	metacarpophalangeal
HPA	hypothalamic–pituitary–adrenal	MCTD	mixed connective tissue disease
HR	hazard ratio	MD	difference in means
HRV	heart rate variability	MDT	multidisciplinary teams
HSAN	hereditary sensory autonomic neuropathy	MEAC	minimum effective analgesic concentration
Hb	hemoglobin	MEC	minimum effective concentration
		MEG	magnetoencephalography
IASP	International Association for the Study of Pain	MHC	major histocompatibility complex
IBS	irritable bowel syndrome	mPFC	medial prefrontal cortex
ICD	International Classification of Diseases	MPI	multidimensional pain inventory
ICF	International Classification of Functioning, Disability and Health	MPO	myeloperoxidase
		MPQ	McGill Pain Questionnaire
IDET	intradiscal electrothermal therapy	MR	magnetic resonance
IDTA	intradiscal thermal annuloplasty	MRI	magnetic resonance imaging
IEC	independent ethics committee	MRS	magnetic resonance spectroscopy
IFN- γ	interferon-gamma	MST	morphine sulfate tablet
IHN	ilio-hypogastric nerve	mTh	medial thalamus
IIN	ilio-inguinal nerve		
IL-2	interleukin-2	NAA	N-acetyl aspartate
IL-6	interleukin 6	NACs	national advisory committees
i.m.	intramuscular	NCA	nurse-controlled analgesia
IMMPACT	Initiative on Methods, Measurement, and Pain Assessment	NCCPC	Non-Communicating Children's Pain Checklist
INCB	International Narcotic Control Board	NE	noradrenaline
INR	international normalized ratio	NFCS	Neonatal Facial Coding System

NGC	nucleus reticularis gigantocellularis	PPP	Pediatric Pain Profile
NH	natural history	PPPM	Parents' Postoperative Pain Measure
NHMRC	National Health and Medical Research Council	PPQ	Pediatric Pain Questionnaire
NHS	National Health Service	PR3	proteinase 3
NICE	National Institute for Health and Clinical Excellence	PRF	pulsed radiofrequency
NIH	National Institutes of Health	PRI	pain rating index
NMDA	<i>N</i> -methyl- <i>D</i> -aspartic acid	PSIS	posterior superior iliac spine
NNH	number needed to harm	PTSD	posttraumatic stress disorder
NNT	number needed to treat	QALY	quality-adjusted life years
NPY	neuropeptide Y	QI	quality improvement
NRD	nucleus reticularis dorsalis	QRC	qualified rehabilitation counselor
NRS	numerical rating scale	QST	quantitative sensory testing
NSAID	nonsteroidal anti-inflammatory drug	QoL	quality of life
OA	osteoarthritis	RA	rheumatoid arthritis
OBT	operant behavioral therapy	rACC	rostral anterior cingulate cortex
ODI	Oswestry Disability Index	RCT	randomized controlled trial
OR	odds ratio	RD	risk difference
OrbF	orbitofrontal cortex	RF	radiofrequency; or rheumatoid factor
OTC	over the counter	ROM	range of motion
OTFC	oral transmucosal fentanyl citrate	RR	risk ratio
PACU	Post Anesthesia Care Unit	RSD	reflex sympathetic dystrophy
PAD	peptidylarginine deiminase	RVM	rostral ventromedial medulla
PAG	periaqueductal gray	SAA	serum amyloid A
PAR	pain relief scale	SCM	sterno-cleidomastoid
PASS	Pain Anxiety Symptoms Scale	SCS	spinal cord stimulation
PBCL	Procedure Behavior Check List	SDT	signal detection theory
PBRS-R	Procedure Behavioral Rating Scale-Revised	SEP	somatosensory-evoked potential
PCA	patient-controlled analgesia	SF-36	Short-Form 36
PCC	percutaneous cervical cordotomy	SF-MPQ	Short-Form McGill Pain Questionnaire
PCEA	patient-controlled epidural analgesia	SLE	systemic lupus erythematosus
PCINA	patient-controlled intranasal analgesia	SLR	straight leg raise
PCQ	Pain Coping Questionnaire	SMD	standardized mean difference
PCS-C	Pain Catastrophizing Scale for Children	SMK	Sluifjter–Metha
PCTS	patient-controlled transdermal system	SMP	sympathetically maintained pain
PDA	personal digital assistants	SNAG	sustained natural apophyseal glides
PDPH	postdural puncture headache	SNL	superior nuchal line
PET	positron emission tomography	SNS	sympathetic nervous system
PFC	prefrontal cortices	SOPA	Survey of Pain Attitudes
PGIC	Patients Global Impression of Change	SPC	superior parietal cortex
PGP	protein gene product	SPID	summed pain intensity difference
PHN	postherpetic neuralgia	SpO ₂	oxygen saturation
PHODA	Photograph Series of Daily Activities	SPTLC1	serine palmitoyl transferase long chain base subunit 1
PID	pain intensity difference	SS	spinal stenosis
PIPP	Premature Infant Pain Profile	SSNRI	specific serotonin- and noradrenaline-reuptake inhibitors
PNS	peripheral nerve stimulator	SSRI	specific serotonin-reuptake inhibitors
POMS	Profile of Mood States	STAI	State Trait Anxiety Inventory
PONV	postoperative nausea and vomiting	TCA	tricyclic antidepressants
POQ	Patient Outcome Questionnaire	TENS	transcutaneous electrical nerve stimulation
POQ-VA	Pain Outcome Questionnaire-VA	THA	triamcinolone hexacetonide
PP	per protocol	TM	trapezius muscles
PPG	photoplethysmography		
PPI	present pain intensity; or proton pump inhibitor		

TMD	temporomandibular pain and dysfunction	VCUG	voiding cystourethrogram
TNF α	tumor necrosis factor-alpha	VIP	vasoactive intestinal peptide
TON	third occipital nerve	VRS	verbal rating scale
TOTPAR	total pain relief		
TSH	thyroid-stimulating hormone	WAD	whiplash-associated disorder
TSK	Tampa Scale for Kinesiophobia	WHO	World Health Organization
		WMA	World Medical Association
US	ultrasound	WMD	weighted mean difference
VA	Veterans Administration	WOMAC	Western Ontario and MacMaster universities
VAS	visual analog scale		