

SUPPLEMENTARY DIGITAL MATERIAL 1

1. Search Strategy for PubMed

((((((((((((((stroke*[MeSH Terms]) OR ("cerebral apoplexy"[Title/Abstract])) OR ("cerebrovascular accident*" [Title/Abstract])) OR (apoplexy[MeSH Terms])) OR ("cerebral stroke"[Title/Abstract])) OR ("ischemic stroke"[Title/Abstract])) OR ("cerebrovascular disease"[Title/Abstract])) OR (CVA*[Title/Abstract])) OR ("Brain Vascular Accident*" [Title/Abstract])) OR ("Acute Cerebrovascular Accident*" [Title/Abstract])) OR ("cerebral hemorrhage"[Title/Abstract])) OR ("cerebral infarction"[Title/Abstract])) OR ("brain infarction"[Title/Abstract])) AND (((((((((((("Exoskeleton device"[MeSH Terms]) OR (Robotics[MeSH Terms])) OR (exoskelet*[Title/Abstract])) OR (End-effector*[Title/Abstract])) OR (robot*[Title/Abstract])) OR (Lokomat[Title/Abstract])) OR (G-EO system[Title/Abstract])) OR (RAGT[Title/Abstract])) OR ("lower limb rehabilitation robot"[Title/Abstract])) OR ("gait training"[Title/Abstract])) OR (Gait-trainer*[Title/Abstract])) OR ("lower limb robot"[Title/Abstract])) OR ("rehabilitation robot"[Title/Abstract])) OR ("rehabilitative robot"[Title/Abstract])) AND (((((((((((((((((((((((((((("gait parameter*" [Title/Abstract]) OR ("pace parameter*" [Title/Abstract])) OR ("Gait analys*" [Title/Abstract])) OR (gait[MeSH Terms])) OR (movement[MeSH Terms])) OR (movement[Title/Abstract])) OR ("postural balance"[Title/Abstract])) OR (postural balance[MeSH Terms])) OR (walking[MeSH Terms])) OR (ambulation[Title/Abstract])) OR (walk*[Title/Abstract])) OR (deambulation[Title/Abstract])) OR (temporal-spatial[Title/Abstract])) OR (time-space[Title/Abstract])) OR (spatial-temporal[Title/Abstract])) OR (time[Title/Abstract])) OR (temporal[Title/Abstract])) OR (spatial[Title/Abstract])) OR (space[Title/Abstract])) OR (geospatial[Title/Abstract])) OR (kinematic*[Title/Abstract])) OR (kinematics[Title/Abstract])) OR

("dynamic parameter"[Title/Abstract])) OR ("Motion analys*"[Title/Abstract])) OR (2-D[Title/Abstract])) OR (3-D[Title/Abstract])) OR ("Three dimensional"[Title/Abstract])) OR ("Two dimensional"[Title/Abstract])) OR (Force[Title/Abstract])) OR (kinetic*[Title/Abstract])) OR (dynamic*[Title/Abstract])) OR (dissymmetry*[Title/Abstract])) OR ("Biomechanical phenomena"[Title/Abstract])) OR ("Biomechanical phenomena"[MeSH Terms])) OR ("gait analysis"[MeSH Terms])) OR (gait analysis[Title/Abstract]))

2. Search Strategy for Embase

Order	Search terms
#1	'stroke'/exp
#2	'cerebral apoplexy':ti,ab,kw
#3	'cerebrovascular accident*':ti,ab,kw
#4	'apoplexy'/exp
#5	'cerebral stroke':ti,ab,kw
#6	'ischemic stroke':ti,ab,kw
#7	'cerebrovascular disease':ti,ab,kw
#8	cva*:ti,ab,kw
#9	'brain vascular accident*':ti,ab,kw
#10	'acute cerebrovascular accident*':ti,ab,kw
#11	'cerebral hemorrhage':ti,ab,kw
#12	'cerebral infarction':ti,ab,kw
#13	'brain infarction':ti,ab,kw
#14	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13
#15	'exoskeleton device'/exp
#16	'robotics'/exp
#17	'exoskelet*':ti,ab,kw
#18	'end-effector*':ti,ab,kw
#19	'robot*':ti,ab,kw
#20	'lokomat':ti,ab,kw
#21	'g-eo system':ti,ab,kw
#22	'ragt':ti,ab,kw
#23	'lower limb rehabilitation robot':ti,ab,kw

#24	'gait training':ti,ab,kw
#25	'gait-trainer*':ti,ab,kw
#26	'lower limb robot':ti,ab,kw
#27	'lower limb robot':ti,ab,kw
#28	'rehabilitation robot':ti,ab,kw
#29	'rehabilitative robot':ti,ab,kw
#30	#15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29
#31	'gait parameter*':ti,ab,kw
#32	'pace parameter*':ti,ab,kw
#33	'gait analys*':ti,ab,kw
#34	'gait'/exp
#35	'movement'/exp
#36	'movement':ti,ab,kw
#37	'postural balance':ti,ab,kw
#38	'postural balance'/exp
#39	'walking'/exp
#40	'ambulation':ti,ab,kw
#41	'walk*':ti,ab,kw
#42	'deambulation*':ti,ab,kw
#43	'temporal-spatial':ti,ab,kw
#44	'time-space':ti,ab,kw
#45	'spatial-temporal':ti,ab,kw
#46	'time':ti,ab,kw
#47	'temporal':ti,ab,kw
#48	'spatial':ti,ab,kw
#49	'space':ti,ab,kw
#50	'geospatial':ti,ab,kw
#51	'kinematic*':ti,ab,kw
#52	'kinematics':ti,ab,kw
#53	'dynamic parameter':ti,ab,kw
#54	'motion analys*':ti,ab,kw
#55	'2-d':ti,ab,kw
#56	'3-d':ti,ab,kw
#57	'three dimensional':ti,ab,kw
#58	'two dimensional':ti,ab,kw
#59	'force':ti,ab,kw
#60	'kinetic*':ti,ab,kw
#61	'dynamic*':ti,ab,kw
#62	'dissymmetry*':ti,ab,kw
#63	'biomechanical phenomena':ti,ab,kw
#64	'biomechanical phenomena'/exp

#65	'gait analysis'/exp
#66	'gait analysis':ti,ab,kw
#67	#31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #49 OR #50 OR #51 OR #52 OR #53 OR #54 OR #55 OR #56 OR #57 OR #58 OR #59 OR #60 OR #61 OR #62 OR #63 OR #64 OR #65 OR #66
#68	#14 AND #30 AND #67

3. Search Strategy for Cochrane Library

Order	Search terms
#1	MeSH descriptor:[Stroke]explode all trees
#2	("cerebral apoplexy"):ti,ab,kw
#3	("cerebrovascular accident"):ti,ab,kw
#4	("cerebral stroke"):ti,ab,kw
#5	("ischemic stroke"):ti,ab,kw
#6	("cerebrovascular disease"):ti,ab,kw
#7	(CVA*):ti,ab,kw
#8	("Brain Vascular Accident"):ti,ab,kw
#9	("Acute Cerebrovascular Accident"):i,ab,kw
#10	("cerebral hemorrhage"):ti,ab,kw
#11	("cerebral infarction"):ti,ab,kw
#12	("brain infarction"):ti,ab,kw
#13	#1 or#2 or#3 or#4 or#5 or#6 or#7 or#8 or#9 or#10 or #11 or#12
#14	MeSH descriptor:[Exoskeleton Device]explode all trees
#15	MeSH descriptor:[Robotics]explode all trees
#16	(exoskelet*):ti,ab,kw
#17	(End-effector*):ti,ab,kw
#18	(robot*):ti,ab,kw
#19	(Lokomat):ti,ab,kw
#20	(G-EO system):ti,ab,kw
#21	(RAGT):ti,ab,kw
#22	("lower limb rehabilitation robot"):ti,ab,kw
#23	("gait training"):ti,ab,kw
#24	(Gait-trainer*):ti,ab,kw

#25	("lower limb robot"):ti,ab,kw
#26	("rehabilitation robot"):ti,ab,kw
#27	("rehabilitative robot"):ti,ab,kw
#28	#14 or #15 or#16 or#17 or#18 or#19 or#20 or#21 or#22 or#23 or#24 or#25 or#26 or#27
#29	("gait parameter"):ti,ab,kw
#30	("pace parameter"):ti,ab,kw
#31	("Gait analysis"):ti,ab,kw
#32	MeSH descriptor:[Gait]explode all trees
#33	MeSH descriptor:[Movement]explode all trees
#34	(movement):ti,ab,kw
#35	("postural balance"):ti,ab,kw
#36	MeSH descriptor:[Postural Balance]explode all trees
#37	MeSH descriptor:[Walking]explode all trees
#38	(ambulation):ti,ab,kw
#39	(walk*):ti,ab,kw
#40	(deambulation):ti,ab,kw
#41	(temporal-spatial):ti,ab,kw
#42	(time-space):ti,ab,kw
#43	(spatial-temporal):ti,ab,kw
#44	(time):ti,ab,kw
#45	(temporal):ti,ab,kw
#46	(spatial):ti,ab,kw
#47	(space):ti,ab,kw
#48	(geospatial):ti,ab,kw
#49	(kinematic*):ti,ab,kw
#50	(kinematics):ti,ab,kw
#51	dynamic parameter):ti,ab,kw
#52	Motion analysis):ti,ab,kw
#53	("2-D"):ti,ab,kw
#54	("3-D"):ti,ab,kw
#55	("Three dimensional"):ti,ab,kw
#56	("Two dimensional"):ti,ab,kw
#57	(Force):ti,ab,kw
#58	(kinetic*):ti,ab,kw
#59	(dynamic"):ti,ab,kw
#60	(dissymmetry*):ti,ab,kw
#61	("Biomechanical phenomena"):ti,ab,kw
#62	MeSH descriptor:[Biomechanical Phenomena]explode all trees
#63	MeSH descriptor:[Gait Analysis]explode all trees

#64	#29 or#30 or#31 or#32 or#33 or#34 or#35 or#36 or#37 or#38 or#39 or#40 or#41 or#42 or#43 or#44 or#45 or#46 or#47 or#48 or#49 or#50 or #51 or#52 or#53 or#54 or#55 or#56 or#57 or #58 or#59 or#60 or#61 or#62 or#63
#65	#13 and #28 and #64