

Supplementary File S1. Search strategy for PubMed

No.	Search terms
#1	dual-task [MeSH Terms]
#2	multi-task [MeSH Terms]
#3	dual-task [Title/Abstract]
#4	multi-task [Title/Abstract]
#5	#1 OR #2 OR #3 OR #4
#6	limb function [MeSH Terms]
#7	muscle function [MeSH Terms]
#8	motor function [MeSH Terms]
#9	exercise function [MeSH Terms]
#10	balance [MeSH Terms]
#11	postural control [MeSH Terms]
#12	balance control [MeSH Terms]
#13	physical performance [MeSH Terms]
#14	limb function [Title/Abstract]
#15	muscle function [Title/Abstract]
#16	motor function [Title/Abstract]
#17	exercise Function [Title/Abstract]
#18	balance [Title/Abstract]
#19	postural control [Title/Abstract]
#20	balance control [Title/Abstract]
#21	physical performance [Title/Abstract]
#22	#6 OR #7 OR #8 OR #9 OR #10 #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21

#23	cognition [MeSH Terms]
#24	cognitive function [MeSH Terms]
#25	cognition [Title/Abstract]
#26	cognitive function [Title/Abstract]
#27	#23 OR #24 OR #25 OR #26
#28	frail elderly [MeSH Terms]
#29	frail older adults [MeSH Terms]
#30	sarcopenia [MeSH Terms]
#31	frail elderly [Title/Abstract]
#32	frail older adults [Title/Abstract]
#33	sarcopenia [Title/Abstract]
#34	#28 OR #29 OR #30 OR #31 OR #32 OR #33

The search strategy will be modified as required for other electronic databases.