

Supplementary File 1

PubMed search strategy

#1 ("Brain Injuries"[Mesh:NoExp] OR "Brain Hemorrhage, Traumatic"[Mesh] OR "Brain Injuries, Traumatic"[Mesh:NoExp] OR "Brain Injury, Chronic"[Mesh] OR "Brain Contusion"[Mesh] OR Brain injur*[tiab] OR stroke*[tiab] OR brain infarct*[tiab] OR brain damage*[tiab] OR head injur*[tiab] OR cerebrovascular accident*[tiab] OR cerebral infarct*[tiab] OR brain lesion*[tiab] OR ischemic lesion*[tiab] OR cerebral ischemia*[tiab] OR cerebral ischaemia*[tiab] OR poststroke[tiab] OR cerebral vasc*[tiab] OR cerebrovasc*[tiab] OR cva[tiab] OR SAH[tiab] OR diffuse axonal injury[Mesh])

#2 ("Therapy, Computer-Assisted"[Mesh:NoExp] OR "Memory Disorders/rehabilitation"[Mesh:NoExp] OR "Cognition Disorders/rehabilitation"[Mesh:NoExp] OR "Cognitive Dysfunction/rehabilitation"[Mesh:NoExp] OR ((computer*[tiab] AND (cognitive training*[tiab] OR cognitive intervention*[tiab]))) OR computer-based*[tiab] OR computer game*[tiab] OR computer* training[tiab] OR computer* rehabilitation[tiab] OR video gam*[tiab] OR cognitive rehabilitat*[tiab] OR function training*[tiab] OR brain gam*[tiab] OR brain training*[tiab] OR serious gam*[tiab] OR virtual reality[tiab] OR VR training*[tiab] OR cognitive retraining*[tiab] OR cognitive remediation*[tiab] OR restorative training*[tiab] OR restorative approach*[tiab] OR Cogpack[tiab] OR Lumosity[tiab] OR Cogniplus[tiab] OR Cogmed[tiab] OR RehaCom[tiab] OR metacognitive strateg*[tiab] OR cognitive strateg*[tiab] OR strategy training*[tiab] OR compensatory strateg*[tiab] OR compensatory training*[tiab] OR compensatory approach*[tiab] OR goal management training*[tiab] OR time pressure management*[tiab] OR attention training*[tiab] OR attention strateg*[tiab] OR memory training*[tiab] OR memory strateg*[tiab] OR (executive function*[tiab]) AND training*[tiab]) OR EF training*[tiab] OR (executive function*[tiab] AND strateg*[tiab]) OR EF strateg*[tiab] OR flexibility training*[tiab] OR processing speed training*[tiab] OR processing speed strateg*[tiab] OR working memory training*[tiab] OR WM training*[tiab] OR reasoning training*[tiab] OR mental training*[tiab] OR neurocognitive training*[tiab] OR neuropsychological training*[tiab] OR cognitive intervention*[tiab] OR cognitive training*[tiab] OR cognitive rehabilitation*[tiab] OR neuropsychological intervention*[tiab])

#3 ("extremities"[Mesh] OR "muscles"[Mesh])

#4 #1 AND #2 NOT #3

PsycInfo search strategy

#1 exp brain injuries/ or (brain injur* or stroke* or brain infarct* or brain damage* or head injur* or cerebrovascular accident* or cerebral infarct* or brain lesion* or ischemic lesion* or cerebral ischemia* or cerebral ischaemia* or poststroke* or cerebral vasc* or cerebrovasc* or cva or SAH or diffuse axonal injur*).ti,ab,id.

#2 exp Brain training/ or exp Computer training/ or exp Cognitive rehabilitation/ or exp Computer games/ or exp Virtual Reality/ or exp memory training/ or exp neuropsychological rehabilitation/ or ((c omputer* and (cognitive training* or cognitive intervention*)) or computer-based* or computer game* or computer training* computerized training* or computerised training* or computer assisted cognitive rehabilitation* or video gam* or (cognitive adj3 rehabilitat*) or (function adj2 training*) or (cognitive adj3 retraining*) or (restorative adj3 training*) or (restorative adj3 approach*) or (cognitive adj3 remediation*) or brain gam* or brain training* or serious gam* or virtual reality or VR training* or Cogpack or Lumosity or Cogniplus or Cogmed or RehaCom or (metacognitive adj3 strateg*) or (cognitive adj3 strateg*) or (strategy adj3 training*) or (compensatory adj2 strateg*) or (compensatory adj2 training*) or compensatory approach* or goal management training* or time pressure management* or attention training* or attention strateg* or memory training* or memory strateg* or (executive function* adj3 training*) or EF training* or (executive function* adj3 strateg*) or EF strategy* or flexibility training* or processing speed training* or (processing speed adj3 strateg*) or working memory training* or WM training* or reasoning training* or mental training* or visuospatial proces* or fatigue or neurocognitive training* or neuropsychological training* or cognitive intervention* or cognitive training* or neuropsychological intervention*).ti,ab,id.

#3 #1 AND #2

#4 limit #3 to "therapy (maximizes sensitivity)"

#5 exp motor performance/ or exp motor processes/ or exp muscles/ or exp drugs/

#6 #4 NOT #5

#7 limit #6 to ((dutch or english) and yr="1990 -Current")