

Supplementary material: Full search strategy for all databases, including filters and limits

A systematic search in Embase, PubMed, Scopus and Cochrane. was conducted which combine the 3 MeSH terms and their relevant synonyms:

1. Stroke
2. Virtual Reality
3. Rehabilitation

Synonyms within each concept will be combined using **OR**, and the three concepts will be combined using **AND**. Searches will be conducted in title, abstract, and keyword fields and adapted for each database. Limits will be applied where appropriate (e.g., Human, Adult (Age 19+)).

Database	Stroke	Virtual reality	Rehabilitation
Embase	stroke; cerebrovascular accident; CVA; cerebral infarct*; cerebrovascular apoplexy; posterior choroidal artery infarction; subcortical infarction	augmented reality; virtual reality; mixed reality; computer simulation; comput* mode; in silico mode	rehabilitation; physical therapy; cognitive training; neurorehabilitation; treatment outcome*; clinical eff*; rehab* outcome*
PubMed	stroke; cerebral infarct*; cerebrovascular accident*; CVA; cerebrovascular apoplexy; posterior choroidal artery infarction; subcortical infarction	augmented reality; computer simulation; virtual reality; mixed reality; comput* mode; in silico mode	rehabilitation; physical therapy; cognitive training; treatment outcome*; neurophysiotherapy; clinical eff*; treatment eff*; rehab* outcome*

Scopus	stroke; cerebrovascular accident; cerebral infarct*; CVA; cerebrovascular apoplexy; posterior choroidal artery infarction; subcortical infarction	augmented reality; virtual reality; mixed reality; computer simulation; comput* mode; in silico mode	rehabilitation; physical therapy; cognitive training; treatment outcome*; neurorehabilitation; clinical eff*; rehab* outcome*
Cochrane	stroke; cerebral infarct*; cerebrovascular accident*; CVA; cerebrovascular apoplexy; posterior choroidal artery infarction; subcortical infarction	augmented reality; mixed reality; virtual reality; computer simulation; comput* mode; in silico mode	rehabilitation; physical therapy; cognitive training; neurorehabilitation; treatment outcome*; clinical eff*; rehab* outcome*