**Supplementary Material 7. Flow diagram showing the flow of information through the different stages of the systematic review with meta-analysis.**



**Retention test**: Ninety-five studies were excluded because they did not have a retention test, or the latter was assessed less than one hour after the end of practice (eligibility criteria) [1-95].

**No appropriate motor task**: Nineteen studies were excluded because they did not use an appropriate motor task/method to assess motor learning [96-114].

**No appropriate study design**: Thirteen studies used a study design that did not meet the inclusion criteria [115-127].

**No appropriate population**: Two studies used deep brain stimulation [128, 129], one study included a control group with neurological conditions [130], and another study had a control group with an age that differed significantly from the PD group [131].

**No control/PD group**: Four studies were excluded due to the lack of control/PD group [132-135].

**Other reasons**: Four studies were excluded for other reasons [136-139] (e.g., duplicated data).

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