**Supplementary Materials**

Supplementary Table 1. Sample Sizes

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sample Size | Total RCTs | % | RCTs Rehabilitation | % | RCTs Medical/Surgical | % |
| **<20** | 119 | 18.0% | 59 | 25.7% | 60 | 13.9% |
| **21-40** | 142 | 21.5% | 71 | 30.9% | 71 | 16.4% |
| **41-60** | 121 | 18.3% | 40 | 17.4% | 81 | 18.8% |
| **61-100** | 125 | 18.9% | 29 | 12.6% | 96 | 22.2% |
| **101-300** | 114 | 17.2% | 27 | 11.7% | 87 | 20.1% |
| **301-500** | 27 | 4.1% | 4 | 1.7% | 23 | 5.3% |
| **501-900** | 6 | 0.9% | 0 | 0.0% | 6 | 1.4% |
| **>901** | 8 | 1.2% | 0 | 0.0% | 8 | 1.9% |
| **Total** | **662** |  | **230** |  | **432** |  |

ABBREVIATIONS: RCTs=Randomized Controlled Trials

Supplementary Table 2. Search Strategy

|  |  |  |
| --- | --- | --- |
| Database | Filters | Search Terms |
| MEDLINE | English | * Brain Inj\* OR Head Inj\* OR Traumatic Brain Injury OR TBI OR Acquired Brain Injury OR ABI OR Head Trauma OR Brain Trauma
* "randomized controlled trial" OR "randomised controlled trial" OR "clinical trial" OR randomized OR randomised OR rct OR random\* OR "double-blind" OR "single-blind" OR "placebo controlled" OR crossover OR sham OR placebo\* OR control\*
 |
| Scopus | English | * Brain Inj\* OR Head Inj\* OR Traumatic Brain Injury OR TBI OR Acquired Brain Injury OR ABI OR Head Trauma OR Brain Trauma
* "randomized controlled trial" OR "randomised controlled trial" OR "clinical trial" OR randomized OR randomised OR rct OR random\* OR "double-blind" OR "single-blind" OR "placebo controlled" OR crossover OR sham OR placebo\* OR control\*
 |
| PubMed | English /RCT | * Brain injury - TITLE; KEYWORDS; ABSTRACT (Brain Inj\* OR Head Inj\* OR Traumatic Brain Injury OR TBI OR Acquired Brain Injury OR ABI OR Head Trauma OR Brain Trauma)
* "randomized controlled trial" OR "randomised controlled trial" OR "clinical trial" OR "Randomized Controlled Trials as Topic"[mh] OR randomized OR randomised OR RCT OR random\* OR "double-blind" OR "single-blind" OR "placebo controlled" OR crossover OR sham[tiab] OR placebo\*[tiab] OR control\*[tiab]
 |
| EMBASE | English/RCT | * (Brain Inj\* OR Head Inj\* OR Traumatic Brain Injury OR TBI OR Acquired Brain Injury OR ABI OR Head Trauma OR Brain Trauma)

Searched lower terms with OR then combined with AND to brain injury terms.* Randomized Controlled Trial/
* exp Randomized Controlled Trials as Topic/
* Controlled Clinical Trial/
* exp Controlled Clinical Trials as Topic/
* "Controlled Clinical Trial (topic)"/
* Randomization/
* Random Allocation/
* Placebo/
* Control Group/
* (random\* or sham or placebo\*).ti,ab,hw,kf.
 |
| CINAHL | English | * (Brain Inj\* OR Head Inj\* OR Traumatic Brain Injury OR TBI OR Acquired Brain Injury OR ABI OR Head Trauma OR Brain Trauma)
* MH “Brain injuries+”

Combine with AND * (MH "Randomized Controlled Trials+") OR (MH "Clinical Trials+")
* crossover OR sham OR placebo\* OR control\*
 |
| PsycINFO | English | * (Brain Inj\* OR Head Inj\* OR Traumatic Brain Injury OR TBI OR Acquired Brain Injury OR ABI OR Head Trauma OR Brain Trauma)
* Exp Brain Injuries/

Searched lower terms with OR then combined with AND to brain injury terms.* Randomized Controlled Trial/
* exp Randomized Controlled Trials as Topic/
* Controlled Clinical Trial/
* exp Controlled Clinical Trials as Topic/
* "Controlled Clinical Trial (topic)"/
* Randomization/
* Random Allocation/
* Placebo/
* Control Group/

(sham or random\* or placebo).mp |