Appendix 1 Searching keywords

SCI related

1. Spinal cord injury

2. SCI

3. Spinal cord ischemia

4. Spinal cord vascular diseases

5. Spinal cord neoplasm

6. Spinal cord disease

7. Spinal cord compression

8. Spinal cord laceration

9. Myelopathy

10. Spinal tumor

11. Spinal damage

12. Spinal trauma

13. Spinal fracture

Robot related

14. Robot

15. Robot assisted gait training
16. Exoskeleton
17. Body weight supported treadmill training
18. BWSTT
19. Locomat
20. Lokomat
21. Orthotic
22. Orthosis

**Spasticity related**

23. Spasticity
24. Hypertone
25. Spasm
26. Clonus

**Pain related**

27. Pain
28. Chronic pain
29. Musculoskeletal pain
30. Neurological pain

31. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13
|   |   |
|---|---|
| 1 | 32. 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 |
| 2 | 33. 23 or 24 or 25 or 26 |
| 3 | 34. 27 or 28 or 29 or 30 |
| 4 | 35. 31 and 32 and 33 and 34 |
Appendix 2 Funnel plots and Egger’s test of (A) VAS for non RCTs, (B) 6MWT for RCTs, (C) 6MWT for non RCTs, (D) 10MWT for RCTs, (E) 10MWT for non RCTs, (F) TUG for non RCTs, (G) WISCI for RCTs, (H) LEMS for RCTs, (I) LEMS for non RCTs,

A. VAS for non RCTs

Egger's regression intercept

|                |          |
|----------------|----------|
| Intercept      | 5.41823  |
| Standard error | 0.28015  |
| 95% lower limit (2-tailed) | 1.89963 |
| 95% upper limit (2-tailed) | 8.97756 |
| t-value        | 19.34057 |
| df             | 1.00000  |
| P-value [1-tailed] | 0.01644 |
| P-value [2-tailed] | 0.03269 |
B. 6MWT for RCTs

![Funnel Plot of Standard Error by Difference in means](image)

Egger's regression intercept

|                | Value  |
|----------------|--------|
| Intercept      | 2.07918|
| Standard error | 5.16789|
| 95% lower limit (2-tailed) | -20.15645|
| 95% upper limit (2-tailed)  | 24.31491|
| t-value        | 0.40233|
| df             | 2.00000|
| P-value (1-tailed) | 0.36318|
| P-value (2-tailed) | 0.72637|
C. 6MWT for non RCTs

Funnel Plot of Standard Error by Difference in means

Egger's regression intercept

|                | Value    |
|----------------|----------|
| Intercept      | 2.12231  |
| Standard error | 0.68563  |
| 95% lower limit (2-tailed) | -0.82771 |
| 95% upper limit (2-tailed)   | 5.07233  |
| t-value         | 3.09542  |
| df              | 2.00000  |
| P-value (1-tailed) | 0.04522 |
| P-value (2-tailed)   | 0.09043  |
D. 10MWT for RCTs

![Funnel Plot of Standard Error by Difference in means]

**Egger's regression intercept**

| Parameter                  | Value  |
|----------------------------|--------|
| Intercept                  | 0.31210|
| Standard error             | 0.27530|
| 95% lower limit (2-tailed) | -0.87242|
| 95% upper limit (2-tailed) | 1.49663|
| t-value                    | 1.13389|
| df                         | 2.00000|
| P-value (1-tailed)         | 0.18726|
| P-value (2-tailed)         | 0.37453|
E. 10MWT for non RCTs

**Egger's regression intercept**

| Parameter               | Value   |
|-------------------------|---------|
| Intercept               | 2.51721 |
| Standard error          | 0.00036 |
| 95% lower limit (2-tailed) | -0.28449 |
| 95% upper limit (2-tailed) | 5.31891 |
| t-value                 | 2.85329 |
| d | 3.00000 |
| P-value (1-tailed)      | 0.02231 |
| P-value (2-tailed)      | 0.06461 |
Egger's regression intercept

|                |               |
|----------------|---------------|
| Intercept      | -4.39574      |
| Standard error | 1.98369       |
| 95% lower limit (2-tailed) | -29.60090 |
| 95% upper limit (2-tailed)   | 20.80943     |
| t-value         | 2.21534       |
| df              | 1.00000       |
| P-value (1-tailed) | 0.13494  |
| P-value (2-tailed)    | 0.26387    |
G. WISCI for RCTs

Funnel Plot of Standard Error by Difference in means

Egger's regression intercept

|                  |        |
|------------------|--------|
| Intercept        | -3.80748 |
| Standard error   | 5.46069 |
| 95% lower limit (2-tailed) | -73.19217 |
| 95% upper limit (2-tailed) | 65.57720 |
| t-value          | 0.69725 |
| df               | 1.00000 |
| P-value (1-tailed)| 0.30619 |
| P-value (2-tailed)| 0.61238 |
H. LEMS for RCTs

Egger’s regression intercept

|                | Value       |
|----------------|-------------|
| Intercept      | -0.81089    |
| Standard error | 0.47637     |
| 95% lower limit (2-tailed) | -6.97132 |
| 95% upper limit (2-tailed)   | 5.24954     |
| t-value        | 1.70011     |
| df             | 1.00000     |
| P-value (1-tailed) | 0.16924 |
| P-value (2-tailed)    | 0.33649     |
I. LEMS for non RCTs

![Funnel Plot of Standard Error by Difference in means]

**Egger’s regression intercept**

|                | Value     |
|----------------|-----------|
| Intercept      | 1.18206   |
| Standard error | 1.05544   |
| 95% lower limit (2-tailed) | -12.22859 |
| 95% upper limit (2-tailed)  | 14.59270  |
| t-value        | 1.11996   |
| df             | 1.00000   |
| P-value (1-tailed) | 0.23201   |
| P-value (2-tailed)   | 0.46401   |