| Study | Experimental Total | Mean | SD | Control Total | Mean | SD | Standardised Mean Difference | SMD | 95%-CI | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| **Dosing = 1** | | | | | | | | | | |
| chen Y 2021 | 6 | 10.66 | 0.6200 | 6 | 7.01 | 0.7000 | | 5.09 | [2.39; 7.80] | 6.0% |
| Zhang M 2021 | 6 | 13.37 | 0.6500 | 6 | 6.81 | 0.4800 | | 10.59 | [5.37; 15.82] | 2.1% |
| Liu W 2020 | 8 | 8.65 | 0.3200 | 8 | 7.67 | 0.3400 | | 2.81 | [1.32; 4.29] | 11.7% |
| Wang J 1 2020 | 4 | 7.11 | 0.6100 | 8 | 4.19 | 0.5000 | | 5.03 | [2.33; 7.74] | 6.0% |
| Wang J 2 2020 | 4 | 7.11 | 0.6100 | 8 | 5.07 | 0.6800 | | 2.85 | [1.03; 4.68] | 9.6% |
| Random effects model | 28 | | | 36 | | | | 4.39 | [2.56; 6.21] | 35.3% |
| Heterogeneity: $I^2 = 63\%$, $\tau^2 = 2.5996$, $p = 0.03$ | | | | | | | | | | |
| **Dosing = 0** | | | | | | | | | | |
| Huang J 2020 | 10 | 16.24 | 0.7100 | 10 | 12.47 | 0.7300 | | 5.01 | [3.08; 6.95] | 9.1% |
| Jian Z 2021 | 16 | 17.14 | 1.6600 | 16 | 12.16 | 1.1000 | | 3.45 | [2.31; 4.58] | 14.1% |
| Tao Y 2019 | 20 | 14.01 | 0.8300 | 20 | 8.70 | 0.9300 | | 5.90 | [4.41; 7.40] | 11.6% |
| Ji W 2019 | 6 | 3.14 | 0.0900 | 6 | 2.68 | 0.0600 | | 5.55 | [2.65; 8.45] | 5.4% |
| Random effects model | 52 | | | 52 | | | | 4.81 | [3.50; 6.13] | 40.1% |
| Heterogeneity: $I^2 = 60\%$, $\tau^2 = 0.9866$, $p = 0.06$ | | | | | | | | | | |
| **Dosing = 2** | | | | | | | | | | |
| Jia X 2021 | 8 | 17.62 | 2.1900 | 8 | 10.53 | 1.1100 | | 3.86 | [2.05; 5.68] | 9.7% |
| Kang J 2019 | 3 | 16.60 | 2.0600 | 3 | 8.06 | 1.4900 | | 3.79 | [−0.01; 7.59] | 3.6% |
| Kang J 2020 | 8 | 21.50 | 1.6600 | 8 | 16.65 | 1.4000 | | 2.99 | [1.45; 4.52] | 11.3% |
| Random effects model | 19 | | | 19 | | | | 3.39 | [2.27; 4.51] | 24.6% |
| Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.75$ | | | | | | | | | | |
| **Random effects model** | **99** | | | **107** | | | | **4.20** | **[3.40; 4.99]** | **100.0%** |
| Heterogeneity: $I^2 = 51\%$, $\tau^2 = 0.8239$, $p = 0.02$ | | | | | | | | | | |
| Test for subgroup differences: $\chi^2_2 = 2.76$, df = 2 ($p = 0.25$) | | | | | | | | | | |

Fig S4. Forest plot summarizing the relationship between dose of treatment and motor function scores in preclinical models of SCI.0:100μg;1:200μg;2: unknown.