## Supplementary Tables

**Supplementary Table 1.** The percentages (mean ± SD) of the pre-transection five-toe spread distance were measured over time between negative control, hWJ-MSC, and hADSC groups.

| | Negative control (%) | hWJ-MSC (%) | hADSC (%) |
|---|---|---|---|
| POD 1 | 51.3 ± 5.1 | 51.4 ± 5.3 | 48.4 ± 2.7 |
| POD 7 | 57.6 ± 4.0 | 68.0 ± 4.7 | 66.8 ± 2.7 |
| POD 14 | 59.6 ± 3.5 | 70.1 ± 3.8 | 67.7 ± 3.7 |
| POD 21 | 70.6 ± 6.6 | 84.9 ± 8.9 | 71.3 ± 4.9 |
| POD 28 | 67.0 ± 1.4 | 86.5 ± 2.1 | 78.2 ± 8.7 |
| POD 40 | 66.3 ± 4.9 | 86.9 ± 7.5 | 79.6 ± 8.7 |
| POD 51 | 69.2 ± 6.9 | 84.7 ± 7.3 | 82.3 ± 6.2 |
| POD 56 | 66.6 ± 1.5 | 84.6 ± 6.3 | 82.3 ± 6.1 |
| POD 65 | 62.1 ± 2.9 | 82.4 ± 9.2 | 79.5 ± 6.3 |
| POD 72 | 54.6 ± 6.9 | 83.5 ± 8.6 | 80.4 ± 5.7 |
| POD 88 | 52.7 ± 5.6 | 87.7 ± 8.6 | 83.5 ± 5.6 |
| POD 97 | 53.2 ± 5.7 | 86.2 ± 9.5 | 83.6 ± 3.2 |

**Supplementary Table 2.** The gait angles (mean ± SD) were measured over time between negative control, hWJ-MSC, and hADSC groups.

| | Negative control (Degree) | hWJ-MSC (Degree) | hADSC (Degree) |
|---|---|---|---|
| POD 0 | 128.4 ± 3.4 | 126.5 ± 5.6 | 129.8 ± 2.4 |
| POD 7 | 68.9 ± 3.4 | 68.0 ± 5.8 | 65.5 ± 10.6 |
| POD 44 | 59.1 ± 10.8 | 92.4 ± 20.6 | 77.5 ± 10.3 |
| POD 72 | 64.4 ± 16.6 | 89.7 ± 19.7 | 77.5 ± 12.7 |
| POD 109 | 69.6 ± 10.3 | 93.6 ± 12.7 | 93.0 ± 16.7 |
| POD 166 | 68.8 ± 10.4 | 92.4 ± 12.5 | 84.7 ± 10.4 |
| POD 204 | 59.1 ± 9.8 | 98.6 ± 14.7 | 94.6 ± 14.5 |
| POD 236 | 58.5 ± 9.3 | 106.8 ± 14.9 | 82.8 ± 6.4 |
| POD 277 | 48.2 ± 4.4 | 99.9 ± 11.7 | 83.4 ± 16.7 |
| POD 293 | 43.3 ± 7.2 | 101.9 ± 15.7 | 88.6 ± 19.5 |

**Supplementary Table 3.** The percentages (mean ± SD) of the pre-transection five-toe spread distance were measured over time between negative control, hWJ-MSC-L, hWJ-MSC-M and hWJ-MSC-H groups.

| | Negative control (%) | hWJ-MSC-L (%) | hWJ-MSC-M (%) | hWJ-MSC-H (%) |
|---|---|---|---|---|
| POD 4 | 54.9 ± 8.0 | 58.2 ± 2.4 | 57.3 ± 5.7 | 57.8 ± 6.1 |
| POD 7 | 58.5 ± 3.9 | 67.4 ± 10.3 | 75.1 ± 4.7 | 75.0 ± 6.2 |
| POD 21 | 75.6 ± 6.6 | 81.1 ± 14.7 | 86.0 ± 9.7 | 91.9 ± 4.8 |
| POD 37 | 81.8 ± 10.5 | 83.2 ± 13.3 | 86.3 ± 9.0 | 90.9 ± 5.5 |
| POD 50 | 71.2 ± 9.4 | 83.5 ± 14.0 | 83.4 ± 10.7 | 93.6 ± 8.0 |
| POD 76 | 59.0 ± 10.8 | 83.1 ± 14.3 | 84.1 ± 9.9 | 91.8 ± 6.3 |
| POD 110 | 53.4 ± 5.9 | 78.4 ± 18.0 | 79.7 ± 17.0 | 92.8 ± 15.1 |

**Supplementary Table 4.** The percentages (mean ± SD) of the pre-transection five-toe spread distance were measured over one year between negative control, hWJ-MSC, and hADSC groups.

| | Negative control (%) | hWJ-MSC (%) | hADSC (%) |
|---|---|---|---|
| POD 1 | 49.6 ± 5.4 | 48.2 ± 4.2 | 48.4 ± 2.7 |
| POD 28 | 67.0 ± 1.4 | 86.5 ± 2.1 | 78.2 ± 8.7 |
| POD 65 | 62.1 ± 2.9 | 84.4 ± 5.3 | 79.5 ± 6.3 |
| POD 97 | 52.8 ± 4.0 | 89.1 ± 7.7 | 83.6 ± 3.2 |
| POD 107 | 53.4 ± 4.2 | 85.0 ± 10.4 | 80.4 ± 6.9 |
| POD 166 | 48.3 ± 2.6 | 82.4 ± 11.6 | 70.0 ± 9.1 |
| POD 204 | 46.3 ± 5.1 | 79.7 ± 13.9 | 75.8 ± 7.3 |
| POD 235 | 47.0 ± 5.0 | 78.9 ± 12.2 | 74.2 ± 7.5 |
| POD 277 | 47.2 ± 6.6 | 77.6 ± 12.5 | 71.8 ± 10.1 |
| POD 293 | 48.0 ± 7.5 | 77.1 ± 14.0 | 69.7 ± 8.3 |
| POD 360 | 46.4 ± 5.6 | 78.1 ± 13.1 | 69.3 ± 8.1 |