**Supplementary Table 1** Clinical characteristics of knee OA patients and traumatic amputees.

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| --- | --- | --- | --- | --- |
|  | **Knee OA patients** | **Traumatic amputees** | **2** | ***P* value** |
| **Sex** |  |  | 0.00 | 1.000 |
| male | 10 (40.00%) | 4 (40.00%) |  |  |
| female | 15 (60.00%) | 6 (60.00%) |  |  |
| **Age range (years old)** |  |  | 0.08 | 0.960 |
| 50-59 | 10 (40.00%) | 4 (40.00%) |  |  |
| 60-69 | 9 (36.00%) | 4 (40.00%) |  |  |
| 70-79 | 6 (24.00%) | 2 (20.00%) |  |  |
| **Occupational types** |  |  | 1.57 | 0.905 |
| Government staff | 1 (4.00%) | 1 (10.00%) |  |  |
| Service personnel | 2 (8.00%) | 1 (10.00%) |  |  |
| Office staff | 6 (24.00%) | 3 (30.00%) |  |  |
| Housewife | 8 (32.00%) | 2 (20.00%) |  |  |
| Technician | 7 (28.00%) | 2 (20.00%) |  |  |
| Others | 1 (4.00%) | 1 (10.00%) |  |  |