Table 1 The index of the collapsed vertebra, local kyphosis, and the adjacent structures

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 　 | 　 | first visit | 　 | 1 years later | 　 | 　 | 2 years later | 　 | 　 | 3years later | 　 | 　 | 4 years later | 　 | 　 | 5 years later | 　 | 　 | 6 years later | 　 | 　 | 7 years later | 　 |
| AA/A2(%) |  | 44.9  | ± | 27.8  |  | 35.0  | ± | 30.9  |  |  | 39.9  | ± | 22.7  |  |  | 45.5  | ± | 22.1  |  |  | 57.3  | ± | 26.2  |  |  | 62.3  | ± | 23.5  |  |  | 65.9  | ± | 24.7  |  |  | 69.8  | ± | 23.4 | \* |
| CA/C2(%) |  | 45.9  | ± | 27.0  |  | 26.6  | ± | 26.8  | \* |  | 33.1  | ± | 21.1  |  |  | 36.6  | ± | 25.4  |  |  | 50.9  | ± | 28.4  |  |  | 56.8  | ± | 29.2  |  |  | 55.8  | ± | 26.4  |  |  | 57.2  | ± | 22.5 |  |
| PA/P2(%) |  | 75.3  | ± | 20.4  |  | 68.0  | ± | 20.0  |  |  | 68.8  | ± | 34.7  |  |  | 67.5  | ± | 31.6  |  |  | 78.0  | ± | 30.6  |  |  | 76.5  | ± | 24.0  |  |  | 78.8  | ± | 20.0  |  |  | 83.6  | ± | 19.3 |  |
| A1/A2(%) |  | 97.2  | ± | 10.7  |  | 101.0  | ± | 9.1  |  |  | 99.9  | ± | 9.5  |  |  | 94.7  | ± | 7.1  |  |  | 98.6  | ± | 12.9  |  |  | 104.3  | ± | 20.4  |  |  | 102.1  | ± | 11.2  |  |  | 98.0  | ± | 13 |  |
| C1/C2(%) |  | 105.7  | ± | 7.0  |  | 114.8  | ± | 11.2  | \* |  | 117.4  | ± | 9.4  | \* |  | 112.5  | ± | 6.9  |  |  | 110.1  | ± | 5.3  |  |  | 111.0  | ± | 15.4  |  |  | 107.3  | ± | 7.3  |  |  | 97.3  | ± | 14 |  |
| P1/P2(%) |  | 101.8  | ± | 11.1  |  | 97.3  | ± | 9.9  |  |  | 98.0  | ± | 6.3  |  |  | 98.9  | ± | 6.5  |  |  | 100.0  | ± | 7.8  |  |  | 102.4  | ± | 16.6  |  |  | 102.3  | ± | 9.7  |  |  | 100.4  | ± | 11.3 |  |
| DD(%) |  | 118.9  | ± | 22.2  |  | 130.5  | ± | 21.6  | \* |  | 131.1  | ± | 25.5  | \* |  | 118.4  | ± | 15.5  |  |  | 119.1  | ± | 16.5  |  |  | 117.4  | ± | 27.3  |  |  | 116.8  | ± | 20.4  |  |  | 107.9  | ± | 20.2 | \* |
| LK(degree) | 8.3  | ± | 12.5  | 　 | 7.8  | ± | 16.2  | 　 | 　 | 2.7  | ± | 16.3  | 　 | 　 | -1.4  | ± | 12.4  | \* | 　 | -3.9  | ± | 12.5  | \* | 　 | -4.5  | ± | 13.7  | \* | 　 | -5.8  | ± | 14.2  | \* | 　 | -4.6  | ± | 12.2 | \* |
| average value ± one standard deviation |  |  |
| \*; Probability values of < 0.05 were considered statistically significant between first visit and relevant timing. |  |  |
| AA/A2; The ratio of the height of the anterior wall of the affected vertebra to that of the two above vertebra |  |  |
| CA/C2; The ratio of the height of the center of the affected vertebra to that of the two above vertebra |  |  |
| PA/P2; The ratio of the height of the posterior wall of the affected vertebra to that of two above vertebra |  |  |
| A1/A2; The ratio of the height of the anterior wall of the one above vertebra to that of the two above vertebra |  |  |
| C1/C2; The ratio of the height of the center of the one above vertebra to that of the two above vertebra |  |  |
| P1/P2; The ratio of the height of the posterior wall of the one above vertebra to that of the two above vertebra |  |  |
| DD; The ratio of the adjacent disc (D1) to the one above disc (D2) |  |  |
| LKA; Local kyphosis angle |  |  |