TABLE E-1 Specimen Demographic Characteristics

| Specimen | Age *(yr)* | Segmental Level | Facet Fracture | Torque to Perch* *(Nm)* | Rotation to Perch* *(°)* |
|---|---|---|---|---|---|
| 1 | 65 | C6-C7 | No | 17.8 | 29.4 |
| 2 | 64 | C6-C7 | No | 16.1 | 27.6 |
| 3 | 65 | C6-C7 | No | 12.5 | 19.9 |
| 4 | 57 | C6-C7 | No | 12.7 | 32.1 |
| 5 | 60 | C6-C7 | Yes | 18.6 | 18.8 |
| Average of specimens with level C6-C7† | 62 ± 4 | | | 15.5 ± 2.9 | 25.6 ± 5.9 |
| 6 | 81 | C4-C5 | No | 9.7 | 24.3 |
| 7 | 48 | C4-C5 | No | 21.1 | 30.7 |
| 8 | 65 | C4-C5 | Yes | 23.5 | 21.3 |
| 9 | 60 | C4-C5 | Yes | 18.9 | 27.1 |
| Average of specimens with level C4-C5† | 64 ± 14 | | | 18.3 ± 6.0 | 25.9 ± 4.0 |
| Average of all specimens† | 63 ± 9 | | | 16.8 ± 4.4 | 25.7 ± 4.8 |

*These values are the maximum ones recorded to achieve a unilateral facet perch. †Values are given as the mean and the standard deviation.

TABLE E-2 Number of Specimens in Which Specific Soft-Tissue Structures Were Injured*

| Structure | Intact | Unilateral Injury†‡ | Bilateral Injury†‡ | Ipsilateral Injury | Contralateral Injury |
|---|---|---|---|---|---|
| Facet capsules | 0 | 9 (8) | 8 (3) | 8 | 9 |
| Anulus fibrosus | 0 | 9 (7) | 3 (2) | 6 | 6 |
| Nucleus pulposus | 2 | 7 (6) | 4 (3) | 5 | 6 |
| Ligamentum flavum | 1 | 8 (4) | 2 (1) | 6 | 4 |
| Anterior longitudinal ligament | 7 | 2 (2) | 0 | 2 | 0 |
| Posterior longitudinal ligament | 8 | 1 (0) | 0 | 0 | 1 |
| Interspinous ligament | 6 | 3 (0) | | | |
| Supraspinous ligament | 5 | 4 (0) | | | |

*Values are given as the numbers of specimens. †Values are given as the number of specimens, with the specimens in which the structures were completely disrupted in parentheses. ‡Stretched or disrupted structures were grouped as injured structures for purposes of data analysis.