Supplementary Online Content

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eTable 1. Follow-up Duration for Patients
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This supplementary material has been provided by the authors to give readers additional information about their work.
**Table 1.** Follow-up Duration for Patients

| Years since Osseointegration | Years Followed | Count | Deceased |
|------------------------------|----------------|-------|----------|
| 10              | 10             | 3     |          |
|                 | 9              | 2     |          |
| 9               | 9              | 11    |          |
|                 | 8              | 4     |          |
|                 | 7              | 2     |          |
|                 | 3              | 1     | 1        |
|                 | 1              | 1     | 1        |
| 8               | 8              | 14    |          |
|                 | 7              | 3     |          |
|                 | 6              | 1     |          |
|                 | 4              | 1     |          |
|                 | 3              | 1     |          |
| 7               | 7              | 21    |          |
|                 | 6              | 8     |          |
|                 | 5              | 5     |          |
|                 | 4              | 1     |          |
|                 | 3              | 1     |          |
|                 | 2              | 1     |          |
|                 | 1              | 1     | 1        |
| 6               | 6              | 35    |          |
|                 | 5              | 15    | 3        |
|                 | 4              | 5     |          |
|                 | 3              | 2     | 1        |
|                 | 2              | 2     |          |
|                 | 1              | 2     |          |
|                 | 0              | 1     |          |
| 5               | 5              | 49    | 1        |
|                 | 4              | 10    | 2        |
|                 | 3              | 4     |          |
|                 | 2              | 8     |          |
|                 | 1              | 4     |          |
|                 | 0              | 4     | 1        |
| 4               | 4              | 53    |          |
|                 | 3              | 10    |          |
|                 | 2              | 10    |          |
|   | 1 | 3 |
|---|---|---|
|   | 0 | 5 |
| 3 | 3 | 51 | 1 |
|   | 2 | 10 | 1 |
|   | 1 | 5  | 1 |
|   | 0 | 1  |   |
| 2 | 2 | 40 | 2 |
|   | 1 | 11 | 1 |
|   | 0 | 4  | 1 |
| 1 | 1 | 39 | 1 |
|   | 0 | 6  |   |
| 0 | 0 | 14 |   |
# eTable 2. Binary Logistic Regression Analysis Results: Likelihood of Mortality

| Category                   | Simple (Single Category) Regression | Multiple (All Categories) Regression |
|----------------------------|-------------------------------------|-------------------------------------|
|                            | p-Value | Odds Ratio | 95% conf. interval | p-Value | Odds Ratio | 95% conf. interval |
| Gender                     |         |            |                  |         |            |                  |
| Male                       | (control) | (control) | (control) | (control) | (control) | (control) |
| Female                     | 0.126   | .35        | .09 - 1.35       | .168    | .415       | .11 - 1.46       |
| Level                      |         |            |                  |         |            |                  |
| Femur                      | (control) | (control) | (control) | (control) | (control) | (control) |
| Tibia                      | .358    | 1.55       | .61 - 3.93       | .085    | 2.39       | .89 - 6.42       |
| Side                       |         |            |                  |         |            |                  |
| Left                       | (control) | (control) | (control) | (control) | (control) | (control) |
| Right                      | .624    | 1.28       | .48 - 3.43       | .332    | 1.65       | .60 - 4.53       |
| Bilateral                  | .916    | .91        | .16 - 5.12       | .94     | .93        | .13 - 6.71       |
| Etiology                   |         |            |                  |         |            |                  |
| Trauma                     | (control) | (control) | (control) | (control) | (control) | (control) |
| Infection                  | .014    | 3.87       | 1.31 - 11.40     | .004    | 5.95       | 1.78 - 19.89     |
| Cancer                     | .587    | .47        | .03 - 7.01       | .687    | .51        | .02 - 13.65      |
| Vascular                   | .015    | 4.73       | 1.35 - 16.56     | .069    | 3.99       | .90 - 17.75      |
| Deformity                  | .800    | 1.43       | .09 - 22.51      | .822    | 1.41       | .07 - 28.55      |
| Other                      | .934    | 1.11       | .09 - 14.14      | .560    | 1.94       | .21 - 18.14      |
| Postoperative Debridement   |         |            |                  |         |            |                  |
| No                         | (control) | (control) | (control) | (control) | (control) | (control) |
| Yes                        | .656    | 1.34       | .37 - 4.94       | .344    | 1.79       | .54 - 6.01       |
| Years Amputation to Implantation | .418  | .98        | .94 - 1.02       | .414    | .98        | .93 - 1.03       |
| Age (years)                | .302    | 1.02       | .99 - 1.04       | .34     | 1.02       | .98 - 1.05       |
| Weight (kg)                | .957    | 1.00       | .98 - 1.02       | .74     | 1.00       | .97 - 1.02       |

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**eTable 3. Cox Proportional Hazards Model of Mortality Risk**

| Category                          | Individual Category Cox | All Categories Cox |
|-----------------------------------|-------------------------|--------------------|
|                                  | p-Value | Hazard Ratio | 95% conf. interval | p-Value | Hazard Ratio | 95% conf. interval |
| Years Amputation to Osseointegration | .073    | .95          | .90 - 1.00         | .055    | .95          | .90 - 1.00         |
| Age                               | .002    | 1.06         | 1.02 - 1.09        | .001    | 1.02         | 1.02 - 1.09        |
| Weight                            | .11     | 1.02         | 1.00 - 1.04        | .187    | .99          | .99 - 1.04         |