**Table S1**: ANOVA tables for the explanatory variables for number of marrow particles and cellularity using logistic regression. Colon denotes an interaction.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Variable** | **Df** | **Deviance** | **Resid. Df** | **Resid. Dev** | **P-value** |
| **Particles** | Aspiration | 1 | 14.6 | 440 | 421 | 0.000132 |
| Disease | 5 | 5.88 | 435 | 415 | 0.318 |
| RN | 4 | 10.5 | 431 | 405 | 0.0333 |
| Aspiration:Disease | 5 | 0.98 | 426 | 404 | 0.964 |
| (Residuals) |  |  | 441 | 436 |  |
| **Cellularity** | Aspiration | 1 | 20.2 | 440 | 407 | 6.80E-06 |
| Disease | 5 | 6.04 | 435 | 401 | 0.302 |
| RN | 4 | 5.9 | 431 | 395 | 0.207 |
| Aspiration:Disease | 5 | 4.08 | 426 | 391 | 0.538 |
| (Residuals) |  |  | 441 | 427 |  |

**Table S2**: ANOVA table for the explanatory variables for VAS intensity score using a multiple linear model. Colon denotes an interaction.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Df** | **Sum Sq** | **Mean Sq** | **F-value** | **P-value** |
| Aspiration | 1 | 174 | 174 | 31.6 | 3.39E-08 |
| Disease | 5 | 18 | 3.6 | 0.655 | 0.658 |
| RN | 4 | 42.3 | 10.6 | 1.92 | 0.106 |
| Age | 1 | 22.4 | 22.4 | 4.07 | 0.0442 |
| Sex | 1 | 8.14 | 8.14 | 1.48 | 0.224 |
| Aspiration:Disease | 5 | 17 | 3.39 | 0.617 | 0.687 |
| (Residuals) | 423 | 2330 | 5.5 |  |  |