Supplementary file A

Table S1. Mortality rates during the modeling of CTEPH.

|  |  |
| --- | --- |
| MS injection number | the number of dead animals |
| 1 | 8 |
| 2 | 5 |
| 3 | 5 |
| 4 | 4 |
| 5 | 3 |
| 6 | 3 |
| 7 | 9 |
| 8 | 7 |
| total | 44 |

MS – microspheres

Table S2. Hematological parameters in rat CTEPH model.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week after the last administration of MS** | **WBC (x109/L)** | **Lymph (x109/L)** | **Mon (x109/L)** | **Gran (x109/L)** | **RBC (x1012/L)** | **HGB (g/L)** | **HCT (%)** | **MCV (fL)** | **MCH (pg)** | **MCHC (g/L)** | **PLT (x109/L)** |
| CTEPH | | | | | | | | | | | |
| 0 | 11.7 ± 4.6 | 5.8 ± 3.0 | 0.4 ± 0.2 | 5.6 ± 2.5 | 11.5 ± 1.2 | 183 ± 22 | 61.0 ± 7.0 | 53.0 ± 1.8 | 15.9 ± 0.6 | 300 ± 3 | 653 ± 117 |
| 1 | 17.0 ± 5.1 | 11.5 ± 3.5 | 0.5 ± 0.2 | 4.9 ± 1.7 | 8.8 ± 1.0 | 147 ±18 | 48.3 ± 5.9 | 53.6 ± 7.8 | 16.5 ± 0.6 | 303 ± 4 | 816 ± 262 |
| 3 | 23.8 ± 14.5 | 12.9 ± 12.6 | 1.3 ± 0.7 | 9.6 ± 5.1 | 8.6 ± 1.4 | 139 ± 26 | 49.3 ± 8.7 | 57.3 ± 2.1 | 16.1 ± 0.9 | 282 ± 9 | 608 ± 305 |
| 4 | 19.4 ± 5.5 | 12.0 ± 5.1 | 0.8 ± 0.6 | 6.6 ± 4.8 | 10.1 ± 1.4 | 170 ± 27 | 56.9 ± 8.6 | 56.3 ± 2.4 | 16.8 ± 0.9 | 299 ± 8 | 607 ± 221 |
| 5 | 21.9 ± 9.4 | 12.7 ± 4.6 | 1.4 ± 0.9 | 8.3 ± 5.3 | 9.0 ± 0.4 | 141 ± 10 | 51.8 ± 2.7 | 59.2 ± 4.1 | 15.8 ± 1.2 | 278 ± 14 | 630 ± 214 |
| 6 | 21.5 ± 4.9 | 15.4 ± 3.7 | 0.8 ± 0.4 | 5.3 ± 1.8 | 8.6 ± 0.4 | 144 ± 6 | 54.1 ± 1.7 | 62.9 ± 1.7 | 16.6 ± 0.9 | 266 ± 12 | 651 ± 166 |
| 18 | 12.0 ± 3.1 | 7.9 ± 2.2 | 0.4 ± 0.1 | 3.8 ± 1.2 | 8.9 ± 0.3 | 153 ± 4 | 54.8 ± .1.0 | 61.6 ± 1.8 | 17.1 ± 0.8 | 279 ± 2 | 695 ± 97 |
| Controls | | | | | | | | | | | |
| 0 | 10.7 ± 2.6 | 7.8 ± 2.2 | 0.3 ± 0.1 | 2.6 ± 0.4 | 9.2 ± 0.7 | 164 ± 9 | 55.0 ± 2.8 | 60.3 ± 2.3 | 17.9 ± 0.6 | 298 ± 3 | 869 ± 164 |
| 1 | 10.2 ± 2.2 | 7.3 ± 2.4 | 0.4 ± 0.1 | 2.5 ± 0.6 | 9.4 ± 0.5 | 168 ± 10 | 57.1 ± 2.6 | 60.7 ± 2.5 | 17.8 ± 0.9 | 295 ± 5 | 826 ± 117 |
| 3 | 10.1 ± 2.8 | 7.5 ± 3.1 | 0.3 ± 0.2 | 2.3 ± 0.2 | 9.3 ± 0.5 | 166 ± 9 | 54.2 ± 2.4 | 58.3 ± 2.3 | 17.8 ± 0.7 | 307 ± 8 | 790 ± 198 |
| 4 | 8.0 ± 3.5 | 5.9 ± 2.7 | 0.2 ± 0.1 | 1.9 ± 0.3 | 9.6 ± 0.6 | 168 ± 11 | 58.4 ± 2.1 | 60.8 ± 2.6 | 17.5 ± 0.8 | 290 ± 6 | 816 ± 132 |
| 5 | 9.3 ± 1.7 | 6.4 ± 2.2 | 0.3 ± 0.2 | 2.6 ± 0.4 | 9.5 ± 0.4 | 163 ± 6 | 54.7 ± 2.8 | 57.6 ± 2.2 | 17.2 ± 0.6 | 296 ± 4 | 787 ± 146 |
| 6 | 11.1 ± 2.2 | 7.2 ± 2.8 | 0.4 ± 0.2 | 3.5 ± 0.6 | 10.3 ± 0.6 | 172 ± 6 | 58.6 ± 3.1 | 56.9 ± 2.7 | 16.7 ± 0.9 | 297 ± 5 | 752 ± 177 |
| 18 | 11.3 ± 4.8 | 7.8 ± 4.1 | 0.3 ± 0.2 | 3.2 ± 0.8 | 9.9 ± 0.3 | 174 ± 7 | 58.2 ± 2.7 | 58.9 ± 2.1 | 17.6 ± 0.6 | 299 ± 2 | 768 ± 156 |

MS – microspheres; WBC – white blood cells; Lymph – lymphocytes; Mon – monocytes; Gran – granulocytes; RBC – red blood cells; HGB – hemoglobin; HCT – hematocrit; MCV – mean corpuscular volume; MCH – mean corpuscular hemoglobin; MCHC – mean corpuscular hemoglobin concentration; PLT – platelets.