

**Supplemental Data table 3. Body and Organ Weights**

| Treatment                     | --            | -+             | +-             | ++             | p=   |
|-------------------------------|---------------|----------------|----------------|----------------|------|
| <b>Body weight (Kg)</b>       | 63.3 +/-1.7   | 65.7 +/- 3.0   | 65.7 +/-3.3    | 60.7 +/-1.3    | 0.43 |
| <b>Heart Wt (g)</b>           | 271.5 +/-11.3 | 275.4 +/-21.7  | 261.7 +/-14.8  | 232.7 +/-9.8   | 0.18 |
| <b>Lung Wt (g)</b>            | 415.7 +/-21.7 | 431.6 +/-21.3  | 466.8 +/-16.8  | 456.7 +/-14.2  | 0.21 |
| <b>Spleen Wt (g)</b>          | 244.2 +/-18.8 | 223.4 +/-56.1  | 226.5 +/-28.3  | 216.7 +/-46.8  | 0.96 |
| <b>Right Kidney Wt (g)</b>    | 106.5 +/-6.6  | 105.8 +/-8.5   | 113.5 +/-7.7   | 108.0 +/-6.4   | 0.87 |
| <b>Left Kidney Wt (g)</b>     | 108.7 +/-7.9  | 105.0 +/-5.8   | 115.2 +/-6.6   | 111.0 +/-9.1   | 0.82 |
| <b>Liver wt (g)</b>           | 1236 +/-60.6  | 1221.2 +/-56.5 | 1238.3 +/-71.9 | 1319.3 +/-73.8 | 0.72 |
| <b>Heart wt/body wt ratio</b> | 4.3 +/-0.1    | 4.2 +/-0.3     | 3.9 +/-0.1     | 3.8 +/-0.1     | 0.29 |

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**Intravenous followed by Xray Fused with MRI Guided Transendocardial Mesenchymal Stem Cell Injection Improves Contractility Reserve in a Swine Model of Myocardial Infarction**

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