**TABLE S4.** Results of meta regression analysis.

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| --- |
| Meta regression analysis on the results of SOD |
| \_ES | Coefficient | Std. err | t | p＞|t| | [95% conf. interval] |
| Gender distribution | -2.67 | 1.17 | -2.28 | 0.056 | -5.44 0.10 |
| Ischemia duration | 1.97 | 1.40 | 1.41 | 0.202 | -1.34 5.28 |
| Reperfusion duration | -1.11  | 1.16  | -0.96  | 0.371  | -3.85 1.63 |
| Dosage | -1.18  | 1.61  | -0.73  | 0.487  | -4.98 2.62 |
| Treatment time | 0.51  | 1.60  | 0.32  | 0.760  | -3.27 4.29 |
| Rat species | -2.43 | 1.93 | -1.26 | 0.297 | -8.56 3.71 |
| Meta regression analysis on the results of MDA |
| \_ES | Coefficient | Std. err | t | p＞|t| | [95% conf. interval] |
| Gender distribution | 2.02  | 5.74  | 0.35  | 0.732  | -10.62 14.65 |
| Ischemia duration | -1.35  | 3.37  | -0.40  | 0.696  | -8.78 6.07 |
| Reperfusion duration | -.62  | 3.09  | -0.20  | 0.844  | -7.41 6.17 |
| Dosage | -1.73  | 2.78  | -0.62  | 0.546  | -7.85 4.392 |
| Route | -.148  | 2.37  | -0.06  | 0.951  | -5.36 5.06 |
| Treatment time | 1.67  | 3.11  | 0.54  | 0.603  | -5.19 8.52 |
| Rat species | 5.43 | 3.86 | 1.41 | 0.187 | -3.07 13.92 |
| Meta regression analysis on the results of LDH |
| \_ES | Coefficient | Std. err | t | p＞|t| | [95% conf. interval] |
| Gender distribution | -5.15  | 17.15  | -0.30  | 0.768  | -41.70 31.39 |
| Ischemia duration | -14.09  | 8.95  | -1.57  | 0.136  | -33.16 4.99 |
| Reperfusion duration | -15.56  | 6.85  | -2.27  | 0.038  | -30.17 -0.96 |
| Dosage | 2.25  | 5.10  | 0.44  | 0.666  | -8.62 13.11 |
| Route | 12.01  | 5.27 | 2.28  | 0.038  | 0.78 23.24  |
| Treatment time | -1.29  | 2.78  | -0.46  | 0.649  | -7.22 4.64 |
| Experiment type | 5.27  | 8.89  | 0.59  | 0.562  | -13.67 24.22 |
| Rat species | 11.27 | 7.61 | 1.48 | 0.159 | -4.95 27.48 |
| Meta regression analysis on the results of CK-MB |
| \_ES | Coefficient | Std. err | t | p＞|t| | [95% conf. interval] |
| Gender distribution | -2.88  | 5.72  | -0.50  | 0.636  | -17.59 11.82 |
| Ischemia duration | 1.81 | 4.390 | 0.41 | 0.698 | -9.48 13.09 |
| Reperfusion duration | -.177 | 3.72 | -0.05  | 0.964  | -9.73 9.38 |
| Dosage | -6.51  | 3.47 | -1.87 | 0.120 | -15.44 2.42 |
| Route | -1.64  | 2.65  | -0.62  | 0.564  | -8.46 5.18 |
| Treatment time | 1.27  | 4.05  | 0.31  | 0.767  | -9.15 11.68 |
| Rat species | 3.48 | 3.66 | 0.95 | 0.385 | -5.92 12.88 |
| Meta regression analysis on the results of myocardial infarct size |
| \_ES | Coefficient | Std. err | t | p＞|t| | [95% conf. interval] |
| Gender distribution | 7.01  | 7.07  | 0.99  | 0.341  | -8.40 22.41 |
| Ischemia duration | 0.40  | 6.36  | 0.06  | 0.951  | -13.47 14.26384 |
| Reperfusion duration | 0.82 | 3.78  | 0.22  | 0.833  | -7.43 9.06 |
| Dosage | 1.84  | 2.68  | 0.69  | 0.506  | -4.01 7.68 |
| Route | -0.48  | 2.45  | -0.19  | 0.849  | -5.82 4.87 |
| Treatment time | 0.34 | 2.13 | 0.16  | 0.876  | -4.31 4.99 |
| Experiment type | 5.47  | 7.22  | 0.76  | 0.463  | -10.26 21.20 |
| Rat species | 5.64 | 5.05 | 1.12 | 0.286 | -5.36 16.64 |