**S5 Table. Effect on ROS production, lipid peroxidation, protein carbonylation and Co-enzymes Qs levels in liver, kidney, heart and brain in absence (Pb-acetate) and presence of AEIA (AEIA + (Pb-acetate) in mice.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Parameters** | **Gr** | **Liver** | **Kidney** | **Heart** | **Brain** | **Testes** |
| **ROS production****(nmol DCF/min/ mg of protein)** | I | 22.6 ± 1.7 | 27.1 ± 2.2 | 21.2 ± 1.2 | 23.5 ± 1.3 | 20.5 ± 1.7 |
| II | 58.6 ± 3.9# | 65.3 ± 3.1# | 51.1 ± 2.3# | 47.1 ± 2.8# | 54.3 ± 2.4# |
| III | 28.5 ± 2.7\*\* | 35.4 ± 2.0\*\* | 31.2 ± 3.0\*\* | 29.3 ± 2.0\*\* | 32.2 ± 2.0\*\* |
| **Lipid peroxidation****(TBARS level in μg/g of tissue)** | I | 5.2 ± 0.7 | 6.5 ± 0.7 | 5.1 ± 0.3 | 3.7 ± 0.3 | 4.1 ± 0.5 |
| II | 8.6 ± 0.9# | 11.4 ± 1.1# | 8.0 ± 0.7# | 5.6 ± 0.5# | 6.9 ± 0.7# |
| III | 6.0 ± 0.5\* | 8.3 ± 0.8\* | 5.6 ± 0.3\*\* | 4.0 ± 0.4\* | 4.7 ± 0.6\* |
| **Protein cabonylation****(nmol/mg of protein)** | I | 32.8 ± 1.9 | 20.4 ± 0.5 | 11.7 ± 0.7 | 9.1 ± 0.6 | 9.3 ± 0.5 |
| II | 52.7 ± 3.1# | 44.3 ± 1.7# | 23.3 ± 1.2# | 17.8 ± 0.8# | 19.2 ± 1.0# |
| III | 34.3 ± 2.8\*\* | 28.3 ± 1.2\*\* | 14.1 ± 1.1\*\* | 13.5 ± 0.4\*\* | 11.2 ± 0.8\*\* |
| **Total coenzyme Q9****(nmol/g of wet tissue)** | I | 132.3 ± 7.7 | 139.3 ± 7.0 | 65.4 ± 4.2 | 30.2 ± 2.2 | 61.2 ± 4.0 |
| II | 99.3 ± 6.3# | 101.9 ± 5.5# | 42.2 ± 3.4# | 22.7 ± 1.2$ | 42.5 ± 3.4# |
| III | 125.7 ± 6.7\* | 126.4 ± 5.9\* | 58.1 ± 3.9\* | 28.7 ± 1.5\* | 56.0 ± 3.7\* |
| **Total coenzyme Q10****(nmol/g of wet tissue)** | I | 27.1 ± 1.9 | 24.5 ± 1.3 | 31.8 ± 2.0 | 12.2 ± 1.0 | 17.0 ± 1.0 |
| II | 14.5 ± 1.1# | 15.3 ± 1.2# | 17.3 ± 1.3# | 8.0 ± 0.5# | 11.5 ± 0.8# |
| III | 24.7 ± 1.9\*\* | 22.3 ± 1.3\*\* | 27.6 ± 1.3\* | 10.5 ± 0.5\* | 15.5 ± 1.1\* |

Values are expressed as mean ± SE, for six animals in each group. # Values differ significantly from normal control (p < 0.01). $ Values differ significantly from normal control (p < 0.01). \* Values differ significantly from Pb-acetate control (p < 0.05). \*\*Values differ significantly from Pb-acetatecontrol (p < 0.01).