**Additional file**

**Table S1.** Changes in Hematological Parameters – Main group

|  |  |  |
| --- | --- | --- |
| Parameters | Male | Female |
| Control | 0.8 mg/m3 | 4 mg/m3 | 20 mg/m3 | Control | 0.8 mg/m3 | 4 mg/m3 | 20 mg/m3 |
| RBC(x106/µL) | 8.40±0.29 | 8.68±0.16 | 8.97±0.13\*\* | 9.56±0.19\*\* | 9.04±0.21 | 8.82±0.10 | 9.21±0.15 | 9.54±0.37 |
| HCT(%) | 43.52±1.27 | 44.56±1.17 | 45.42±0.69\* | 48.12±1.16\*\* | 45.28±0.59 | 44.48±0.61 | 46.12±0.76 | 47.58±2.35 |
| HGB(g/dL) | 14.50±0.26 | 14.96±0.21\* | 15.42±0.30\*\* | 16.44±0.34\*\* | 15.60±0.24 | 15.32±0.42 | 15.86±0.23 | 16.40±0.67 |
| MCV(fL) | 51.84±1.06 | 51.30±0.57 | 50.62±0.59 | 50.32±0.37\* | 50.14±0.67 | 50.40±0.46 | 50.06±0.39 | 59.88±0.51 |
| MCH(g/dL) | 17.28±0.37 | 17.24±0.15 | 17.20±0.37 | 17.22±0.16 | 17.28±0.28 | 17.38±0.35 | 17.20±0.10 | 17.20±0.07 |
| MCHC(g/dL) | 33.28±0.52 | 33.62±0.50 | 33.96±0.49 | 34.16±0.37\* | 34.46±0.25 | 34.44±0.72 | 34.36±0.17 | 34.46±0.39 |
| PLT(10³/µL) | 928±39 | 892±23 | 823±43\*\* | 510±39\*\* | 841±50 | 806±47 | 844±79 | 843±73 |
| WBC(x10³/µL) | 4.17±0.73 | 4.56±0.46 | 3.47±0.72 | 3.07±0.84 | 4.42±0.59 | 4.09±0.54 | 3.55±0.60 | 2.50±0.39\*\* |
| NEUA(10³/µL) | 0.78±0.25 | 0.78±0.21 | 0.82±0.22 | 0.70±0.21 | 0.81±0.16 | 0.67±0.11 | 0.67±0.24 | 0.56±0.21 |
| NEU%(%) | 18.50±3.68 | 17.00±4.52 | 24.04±6.28 | 22.86±5.70 | 18.48±2.83 | 16.62±3.90 | 19.50±7.59 | 22.22±5.04 |
| LYMA(10³/µL) | 3.22±0.51 | 3.58±0.41 | 2.45±0.58 | 2.23±0.67\* | 3.35±0.51 | 3.22±0.58 | 2.68±0.64 | 1.78±0.19\*\* |
| LYM%(%) | 77.48±3.94 | 78.38±4.49 | 70.62±6.50 | 72.36±5.60 | 75.82±3.11 | 78.14±5.33 | 75.00±8.21 | 71.64±5.39 |
| MONA(10³/µL) | 0.08±0.02 | 0.10±0.01 | 0.07±0.03 | 0.07±0.04 | 0.13±0.03 | 0.09±0.01 | 0.09±0.04 | 0.07±0.02\*\* |
| MON%(%) | 1.94±2.40 | 2.14±0.23 | 2.14±0.45 | 2.20±0.70 | 3.06±0.28 | 2.24±0.36 | 2.44±1.01 | 2.66±0.53 |
| EOSA(10³/µL) | 0.05±0.01 | 0.07±0.02 | 0.08±0.02\* | 0.05±0.02 | 0.06±0.01 | 0.07±0.03 | 0.07±0.02 | 0.06±0.01 |
| EOS%(%) | 1.20±0.27 | 1.46±0.26 | 2.34±0.23\* | 1.80±0.90 | 1.40±0.25 | 1.78±0.90 | 2.02±0.31 | 2.38±0.30 |
| BASA(10³/µL) | 0.01±0.00 | 0.01±0.00 | 0.01±0.01 | 0.00±0.01 | 0.01±0.01 | 0.01±0.00 | 0.01±0.00 | 0.00±0.01 |
| BAS%(%) | 0.32±0.05 | 0.26±0.09 | 0.18±0.08\* | 0.18±0.08\* | 0.30±0.14 | 0.32±0.05 | 0.22±0.08 | 0.26±0.18 |
| RETA(109/L) | 260.70±41.33 | 241.48±22.83 | 190.72±17.52 | 30.48±2.94\*\* | 186.50±40.82 | 162.16±28.66 | 139.66±14.54 | 137.66±15.18 |
| RET%(%) | 3.12±0.58 | 2.79±0.29 | 2.12±0.20 | 0.32±0.03\*\* | 2.07±0.50 | 1.84±0.33 | 1.52±0.18 | 1.44±0.12\* |
| APTT(sec) | 16.26±0.67 | 17.10±0.55 | 18.12±0.66 | 21.08±1.89\*\* | 17.44±1.46 | 16.88±0.51 | 17.78±0.70 | 19.32±0.92\* |
| PT(sec) | 11.00±0.38 | 10.98±0.61 | 12.04±0.42\* | 12.78±0.68\*\* | 11.18±0.37 | 11.58±0.30 | 12.64±0.54\*\* | 13.70±0.41\*\* |

RBC, red blood cell count; HCT, hematocrit; HGB, hemoglobin; MCV, mean corpuscular volume; MCH, mean corpuscular hemoglobin; MCHC, mean corpuscular hemoglobin concentration; PLT, platelet; WBC, white blood cell count; NEUA, absolute count of neutrophil; NEU%, relative count of neutrophil; LYMA, absolute count of lymphocyte; LYM%, relative count of lymphocyte; MONA, absolute count of monocyte; MON%, relative count of monocyte EOSA, absolute count of eosinophil; EOS%, relative count of eosinophil; BASA, absolute count of basophil; BAS%, relative count of basophil; RET, absolute count of reticulocyte; RET%, relative count of reticulocyte; APTT, Activated partial thromboplastin time; PT, Prothrombin time. The values are expressed as mean ± SD (n = 5 per group). \* represents statistical significance as compared to the control group, p <0.05. \*\* represents statistical significance as compared to the control group, p <0.01.

**Table S2.** Changes in Hematological Parameters – Recovery group

|  |  |  |
| --- | --- | --- |
| Parameters | 2 Weeks | 4 Weeks |
| Control | 0.8 mg/m3 | 4 mg/m3 | 20 mg/m3 | Control | 0.8 mg/m3 | 4 mg/m3 | 20 mg/m3 |
| RBC(x106/µL) | 9.02±0.31 | 8.98±0.12 | 8.96±0.27 | 8.95±0.16 | 8.89±0.10 | 9.00±0.19 | 8.89±0.16 | 8.77±0.31 |
| HCT(%) | 43.68±1.37 | 43.40±0.68 | 43.66±0.84 | 44.22±0.93 | 42.16±0.26 | 42.62±0.66 | 42.52±0.44 | 42.78±1.71 |
| HGB(g/dL) | 14.84±0.47 | 14.72±0.30 | 14.72±0.34 | 14.90±0.29 | 14.28±0.24 | 14.46±0.22 | 14.38±0.15 | 14.38±0.50 |
| MCV(fL) | 48.42±0.36 | 48.32±0.36 | 48.80±0.68 | 49.38±0.21\*\* | 47.40±0.39 | 47.32±0.40 | 47.84±0.54 | 48.74±0.55\*\* |
| MCH(g/dL) | 16.4±0.1 | 16.4±0.2 | 16.4±0.2 | 16.7±0.1 | 16.0±0.1 | 16.1±0.1 | 16.1±0.3 | 16.4±0.1\*\* |
| MCHC(g/dL) | 33.91±0.07 | 33.94±0.25 | 33.70±0.30 | 33.74±0.30 | 33.92±0.43 | 33.96±0.13 | 33.78±0.31 | 33.60±0.27 |
| PLT(10³/µL) | 788.0±37.29 | 816.4±11.78 | 871.4±32.55\*\* | 872.2±21.35\*\* | 787±20 | 773±43 | 806±36 | 789±49 |
| WBC(x10³/µL) | 4.65±1.10 | 4.65±0.50 | 4.48±0.92 | 4.64±0.71 | 4.70±0.46 | 5.38±0.69 | 4.45±0.54 | 3.74±1.15 |
| NEUA(10³/µL) | 1.19±0.30 | 1.07±0.13 | 1.14±0.14 | 1.12±0.27 | 1.08±0.19 | 1.25±0.45 | 1.34±0.54 | 1.01±0.30 |
| NEU%(%) | 25.90±4.84 | 22.92±0.85 | 26.04±4.42 | 23.94±3.42 | 23.16±4.30 | 22.84±5.10 | 30.38±12.10 | 27.72±5.46 |
| LYMA(10³/µL) | 3.23±0.87 | 3.37±0.37 | 3.13±0.84 | 3.29±0.42 | 3.40±0.44 | 3.89±0.27 | 2.89±0.72 | 2.58±0.87 |
| LYM%(%) | 69.38±5.45 | 72.52±1.23 | 69.22±4.63 | 71.36±3.86 | 72.32±4.70 | 72.92±5.37 | 64.78±12.30 | 68.02±6.01 |
| MONA(10³/µL) | 0.12±0.05 | 0.10±0.37 | 0.11±0.03 | 0.13±0.05 | 0.11±0.03 | 0.12±0.04 | 0.12±0.02 | 0.08±0.03 |
| MON%(%) | 2.48±0.64 | 2.22±0.55 | 2.46±0.48 | 2.62±0.74 | 2.40±0.64 | 2.12±0.40 | 2.70±0.46 | 2.12±0.58 |
| EOSA(10³/µL) | 0.07±0.01 | 0.07±0.01 | 0.06±0.01 | 0.07±0.02 | 0.07±0.03 | 0.08±0.02 | 0.06±0.02 | 0.06±0.01 |
| EOS%(%) | 1.44±0.21 | 1.52±0.26 | 1.28±0.30 | 1.48±0.16 | 1.48±0.48 | 1.48±0.31 | 1.42±0.43 | 1.68±0.31 |
| BASA(10³/µL) | 0.01±0.01 | 0.01±0.01 | 0.01±0.01 | 0.01±0.00 | 0.01±0.01 | 0.01±0.01 | 0.01±0.01 | 0.01±0.00 |
| BAS%(%) | 0.16±0.06 | 0.24±0.11 | 0.16±0.09 | 0.14±0.06 | 0.20±0.10 | 0.14±0.13 | 0.16±0.06 | 0.18±0.08 |
| RETA(109/L) | 250.48±34.86 | 256.74±5.45 | 328.56±47.76\*\* | 319.96±30.79\* | 270.34±16.42 | 239.50±18.57 | 280.40±25.11 | 292.90±20.89 |
| RET%(%) | 2.78±0.40 | 2.86±0.05 | 3.67±0.58\*\* | 3.58±0.33\* | 3.04±0.18 | 2.66±0.25 | 3.15±0.32 | 3.34±0.18 |
| APTT(sec) | 19.48±2.32 | 18.92±0.66 | 19.12±0.35 | 21.04±3.60 | 16.54±0.68 | 17.22±0.42 | 16.70±0.44 | 16.90±0.57 |
| PT(sec) | 10.28±0.16 | 10.72±0.52 | 9.98±0.11 | 10.24±0.24 | 10.46±0.35 | 10.68±0.26 | 10.38±0.42 | 11.42±0.46\*\* |

RBC, red blood cell count; HCT, hematocrit; HGB, hemoglobin; MCV, mean corpuscular volume; MCH, mean corpuscular hemoglobin; MCHC, mean corpuscular hemoglobin concentration; PLT, platelet; WBC, white blood cell count; NEUA, absolute count of neutrophil; NEU%, relative count of neutrophil; LYMA, absolute count of lymphocyte; LYM%, relative count of lymphocyte; MONA, absolute count of monocyte; MON%, relative count of monocyte EOSA, absolute count of eosinophil; EOS%, relative count of eosinophil; BASA, absolute count of basophil; BAS%, relative count of basophil; RET, absolute count of reticulocyte; RET%, relative count of reticulocyte; APTT, Activated partial thromboplastin time; PT, Prothrombin time. The values are expressed as mean ± SD (n = 5 per group). \* represents statistical significance as compared to the control group, p <0.05. \*\* represents statistical significance as compared to the control group, p <0.01.

**Table S3.** Changes in Serum Chemical Parameters– Main group

|  |  |  |
| --- | --- | --- |
| Parameters | Male | Female |
| Control | 0.8 mg/m3 | 4 mg/m3 | 20 mg/m3 | Control | 0.8 mg/m3 | 4 mg/m3 | 20 mg/m3 |
| Ca(mg/dL) | 9.04±0.21 | 9.00±0.14 | 9.08±0.27 | 8.98±0.34 | 9.06±0.17 | 9.14±0.17 | 8.90±0.29 | 9.28±0.34 |
| IP(mg/dL) | 7.80±0.61 | 7.74±0.57 | 7.50±0.30 | 7.66±0.35 | 7.14±0.57 | 7.02±0.59 | 7.30±0.24 | 7.30±0.57 |
| ALP(IU/L) | 914.28±71.49 | 896.70±51.47 | 788.74±45.07\* | 675.46±74.70\*\* | 599.54±44.44 | 592.44±52.97 | 647.14±21.79 | 639.04±74.65 |
| ALT(IU/L) | 36.06±3.04 | 37.28±3.52 | 35.24±2.64 | 47.22±11.48\* | 30.14±2.59 | 28.02±3.39 | 32.34±3.24 | 36.52±5.64 |
| AST(IU/L) | 108.62±10.87 | 111.42±10.47 | 105.28±11.81 | 102.74±15.07 | 79.62±6.63 | 85.82±13.73 | 87.77±7.52 | 81.00±3.03 |
| TG(mg/dL) | 53.98±20.09 | 49.26±9.06 | 27.02±6.12 | 17.92±1.44\*\* | 16.76±3.52 | 16.26±5.62 | 12.88±2.39 | 16.56±2.96 |
| TCHO(mg/dL) | 46.12±4.76 | 47.68±2.69 | 50.20±4.72 | 55.60±9.15 | 61.30±4.51 | 62.36±2.68 | 59.00±3.62 | 60.64±6.22 |
| TBIL(mg/dL) | 0.17±0.02 | 0.18±0.03 | 0.19±0.01 | 0.13±0.03 | 0.13±0.01 | 0.12±0.01 | 0.13±0.01 | 0.13±0.01 |
| GLU(mg/dL) | 122.78±28.49 | 123.68±20.62 | 117.06±13.88 | 90.28±15.66 | 88.70±3.99 | 92.94±11.01 | 91.50±12.50 | 83.22±9.96 |
| CREA(mg/dL) | 0.35±0.03 | 0.35±0.03 | 0.34±0.16 | 0.33±0.02 | 0.34±0.02 | 0.35±0.03 | 0.36±0.03 | 0.35±0.02 |
| BUN(mg/dL) | 17.72±2.39 | 16.70±1.19 | 15.12±1.26 | 19.58±2.57 | 16.16±1.00 | 16.48±1.88 | 15.14±2.52 | 16.46±1.43 |
| ALB(g/dL) | 3.64±0.09 | 3.74±0.09 | 3.74±0.09 | 3.64±0.06 | 3.72±0.15 | 3.68±0.13 | 3.66±0.06 | 3.86±0.11 |
| TP(g/dL) | 5.16±0.17 | 5.28±0.15 | 5.34±0.18 | 5.06±0.11 | 5.34±0.30 | 5.22±0.16 | 2.24±0.11 | 5.58±0.24 |
| Cl(mmol/L) | 94.62±0.71 | 96.32±3.05 | 95.56±0.20 | 91.06±2.88 | 97.62±1.40 | 97.78±0.61 | 99.04±0.63 | 97.32±1.15 |
| K(mmol/L) | 4.52±0.22 | 4.62±0.13 | 4.80±0.19 | 4.64±0.37 | 4.08±0.16 | 4.06±0.11 | 4.32±0.15\* | 4.26±0.13 |
| Na(mmol/L) | 134.70±0.49 | 135.72±2.96 | 134.98±0.67 | 136.34±1.176 | 134.58±0.52 | 135.22±0.61 | 136.80±0.83\*\* | 138.10±0.77\*\* |
| CK(U/L) | 618.66±142.76 | 583.08±163.15 | 545.66±130.72 | 244.94±41.77\*\* | 242.06±35.26 | 297.80±148.68 | 257.30±106.39 | 212.24±63.77 |
| LDH (IU/L) | 2580.78±530.41 | 2600.72±521.65 | 2530.12±436.79 | 1859.44±403.91 | 902.32±124.11 | 1285.04±698.89 | 1259.58±572.66 | 1026.60±326.83 |
| γ-GTP(IU/L) | 0.00±0.12 | 0.53±0.98 | 0.00±0.26 | 0.00±0.25 | 0.16±0.33 | -0.20±0.21 | -0.27±0.34 | 0.20±0.79 |
| A/G ratio | 2.40±0.10 | 2.42±0.13 | 2.34±0.13 | 2.58±0.15 | 2.30±0.13 | 2.38±0.08 | 2.34±0.11 | 2.26±0.11 |

Ca, Calcium; IP, Inorganic phosphorus; ALP, alkaline phophatase; ALT, alanine aminotransferase; AST, aspartate aminotransferase; TG, Triglyceride; TCHO, total cholesterol; TBIL, total bilirubin; GLU, glucose; CREA, Creatinine; BUN, blood urea nitrogen; ALB, albumin; TP, total protein; Cl, Chloride; K, Potassium; Na, Sodium; CK, Creatine phosphokinase; LDH, Lactate dehydrogenase; γ-GTP, γ-Glutamyl Transferase; A/G ratio, Albumin/Globulin ratio. The values are expressed as mean ± SD (n = 5 per group). \* represents statistical significance as compared to the control group, p <0.05. \*\* represents statistical significance as compared to the control group, p <0.01.

**Table S4**. Changes in Serum Chemical Parameters– Recovery group

|  |  |  |
| --- | --- | --- |
| Parameters | 2 Weeks | 4 Weeks |
| Control | 0.8 mg/m3 | 4 mg/m3 | 20 mg/m3 | Control | 0.8 mg/m3 | 4 mg/m3 | 20 mg/m3 |
| Ca(mg/dL) | 10.00±0.03 | 10.08±0.16 | 10.20±0.52 | 9.98±0.25 | 10.00±0.14 | 10.12±0.21 | 10.06±0.17 | 9.94±0.45 |
| IP(mg/dL) | 6.58±0.54 | 7.04±0.46 | 7.06±0.59 | 7.680.28\*\* | 6.24±0.29 | 6.32±0.34 | 6.20±0.52 | 6.68±0.25 |
| ALP(IU/L) | 695.52±28.52 | 688.96±29.80 | 777.70±51.71\* | 770.64±54.58\* | 594.10±24.24 | 579.14±23.36 | 648.06±40.10 | 680.92±62.32\* |
| ALT(IU/L) | 49.40±23.18 | 39.28±2.88 | 40.52±1.10 | 42.12±2.80 | 41.40±1.05 | 43.18±1.00 | 42.18±1.25 | 45.02±6.36 |
| AST(IU/L) | 100.58±43.05 | 77.20±6.56 | 87.40±8.19 | 87.78±8.06 | 89.16±4.59 | 87.18±10.28 | 88.84±8.87 | 95.50±12.79 |
| TG(mg/dL) | 74.30±9.57 | 66.82±12.77 | 74.64±24.61 | 63.28±9.17 | 104.52±25.24 | 84.08±27.14 | 94.68±37.22 | 59.40±18.83 |
| TCHO(mg/dL) | 63.52±5.03 | 61.30±3.74 | 59.26±3.75 | 66.48±3.47 | 69.72±7.38 | 67.42±5.92 | 61.86±6.25 | 61.60±5.31 |
| TBIL(mg/dL) | 0.16±0.03 | 0.15±0.03 | 0.17±0.05 | 0.17±0.03 | 0.18±0.02 | 0.17±0.01 | 0.19±0.02 | 0.21±0.36 |
| GLU(mg/dL) | 173.02±22.57 | 177.10±17.59 | 164.04±11.25 | 148.70±12.37\* | 157.30±12.05 | 160.40±11.32 | 162.64±14.06 | 170.60±53.29 |
| CREA(mg/dL) | 0.47±0.03 | 0.44±0.03 | 0.44±0.04 | 0.41±0.03 | 0.50±0.01 | 0.47±0.02 | 0.50±0.03 | 0.48±0.07 |
| BUN(mg/dL) | 22.00±1.97 | 19.80±1.12 | 19.38±1.24\* | 18.68±1.11\*\* | 21.26±1.42 | 19.64±1.29 | 19.60±0.53 | 19.28±2.06 |
| ALB(g/dL) | 4.06±0.06 | 3.98±0.05 | 4.04±0.06 | 3.84±0.06\*\* | 4.04±0.09 | 3.98±0.05 | 4.00±0.00 | 3.96±0.13 |
| TP(g/dL) | 7.28±0.11 | 7.08±0.21 | 1.32±0.28 | 6.88±0.18\* | 7.46±0.09 | 7.36±0.23 | 7.50±0.10 | 7.38±0.25 |
| Cl(mmol/L) | 102.48±1.21 | 103.94±0.85 | 104.10±0.88 | 103.24±1.44 | 102.24±1.30 | 103.20±1.39 | 103.96±0.40 | 104.20±0.91\* |
| K(mmol/L) | 4.56±0.68 | 4.36±0.53 | 4.34±0.57 | 4.92±1.06 | 4.40±0.46 | 4.52±0.80 | 5.04±0.42 | 4.56±0.80 |
| Na(mmol/L) | 143.74±1.44 | 144.24±0.81 | 144.92±0.41 | 143.92±1.43 | 143.40±0.68 | 143.50±0.62 | 144.34±0.44\* | 144.64±0.49\*\* |
| CK(U/L) | 311.82±119.04 | 270.86±127.51 | 298.22±125.41 | 290.66±107.74 | 453.02±114.84 | 400.54±191.10 | 384.44±151.55 | 435.16±225.82 |
| LDH (IU/L) | 889.06±435.89 | 753.14±459.98 | 858.76±439.50 | 842.66±419.57 | 1385.62±356.50 | 1218.96±657.15 | 1237.22±515.72 | 1384.60±836.99 |
| γ-GTP(IU/L) | 0.00±0.20 | 0.16±0.50 | 0.04±0.33 | 0.22±0.80 | 0.00±0.20 | 0.08±0.29 | 0.00±0.38 | 0.00±0.49 |
| A/G ratio | 1.26±0.06 | 1.30±0.07 | 1.22±0.11 | 1.30±0.07 | 1.18±0.05 | 1.20±0.10 | 1.14±0.06 | 1.16±0.06 |

Ca, Calcium; IP, Inorganic phosphorus; ALP, alkaline phophatase; ALT, alanine aminotransferase; AST, aspartate aminotransferase; TG, Triglyceride; TCHO, total cholesterol; TBIL, total bilirubin; GLU, glucose; CREA, Creatinine; BUN, blood urea nitrogen; ALB, albumin; TP, total protein; Cl, Chloride; K, Potassium; Na, Sodium; CK, Creatine phosphokinase; LDH, Lactate dehydrogenase; γ-GTP, γ-Glutamyl Transferase; A/G ratio, Albumin/Globulin ratio. The values are expressed as mean ± SD (n = 5 per group). \* represents statistical significance as compared to the control group, p <0.05. \*\* represents statistical significance as compared to the control group, p <0.01.

**Table S5**. Histopathological assessment of the liver and spleen tissues

|  |  |  |
| --- | --- | --- |
|  |  | Main group |
| Sex | Male |  | Female |
| Concentration (mg/m3) | 0 | 0.8 | 4 | 20 |  | 0 | 0.8 | 4 | 20 |
| Liver |  |  |  |  |  |  |  |  |  |
| Number of animals | 5 | 5 | 5 | 5 |  | 5 | 5 | 5 | 5 |
| AtrophyMinimalMildModerateMean ± SD | (0)0000 | (0)0000 | (0)2000 | (5)1312.00 ± 0.71 |  | (0)0000 | (0)0000 | (0)0000 | (2)2000.40 ± 0.55 |
| Spleen |  |  |  |  |  |  |  |  |  |
| Number of animals | 5 | 5 | 5 | 5 |  | 5 | 5 | 5 | 5 |
| AtrophyMinimalMildModerateMean ± SD |  | (0)0000 | (0)0000 | (0)0000 | (5)2211.80 ± 0.84 |  | (0)0000 | (0)0000 | (0)0000 | (5)3201.40 ± 0.55 |
| Thymus |  |  |  |  |  |  |  |  |  |  |
| Number of animals |  | 5 | 5 | 5 | 5 |  | 5 | 5 | 5 | 5 |
| AtrophyMinimalMildModerateMarkedMean ± SD |  | (0)00000 | (0)00000 | (0)00000 | (5)00413.20 ± 0.45 |  | (0)0000 | (0)0000 | (0)0000 | (3)2100.80 ± 0.84 |

0: unremarkable=no presence of histopathologic lesion; 1: minimal=lesions involving<10% of the tissue of each organ; 2: mild=lesions involving<10-30% of the tissue of each organ; 3: moderate=lesions involving<30-50% of the tissue of each organ; 4: marked=lesions involving<50-70% of the tissue of each organ; 5: severe=lesions involving>70% of the tissue of each organ