Table 2: Synovial fluid and serum inflammatory markers in diet-induced obese and chow control-diet fed control rats.

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| --- | --- | --- | --- | --- | --- | --- |
| Analyte | DIO [synovial fluid] ng/mL  n=14 | CHOW [synovial fluid]  n=6 | p-value | DIO [serum] ng/mL  n=14 | CHOW  [serum]  n=6 | p-value |
|  | Mean (CI) | Mean (CI) |  | Mean (CI) | Mean (CI) |  |
| EGF | 0.74 (0.18-1.10) | 0.13 (0.06-0.20) | 0.024\* | 0.02 (0-0.2) | 0.01 (0-0.15) | 0.265 |
| Eotaxin | 0.73 (0.46-1.0) | 0.30 (0.10-0.30) | 0.043\* | 0.01 (0-0.1) | 0.01 (-0.1) | 0.458 |
| Fractalkine | 9.45 (6.16-12.74) | 3.69 (1.76-5.62) | 0.023\* | 0.05 (0.04-0.06) | 0.05 (0.04-0.06) | 0.869 |
| GRO-KC | 5.53 (1.16-7.81) | 2.62 (1.11-4.13) | 0.043\* | 0.15 (0.09-0.21) | 0.05 (0.02-0.09) | 0.032\* |
| IFN-γ | 19.87 (2.08-23.95) | 8.43 (1.66-11.7) | 0.013\* | 0.10 (0.06-0.13) | 0.13 (0.07-0.20) | 0.215 |
| IL-10 | 1.81 (1.75-3.57) | 0.28 (0.07-0.42) | 0.05\* | 0.10 (0.08-0.13) | 0.09 (0.06-0.12) | 0.68 |
| IL-12 | 2.66 (1.75-3.57) | 0.83 (0.21-1.44) | 0.05\* | 0.19 (0.15-0.24) | 0.23 (0.16-0.29) | 0.343 |
| IL-13 | 2.23 (1.65-2.81) | 1.04 (0.34-1.74) | 0.031\* | 0.03 (0.03-0.04) | 0.04 (0.03-0.05) | 0.483 |
| IL-17a | 0.39 (0.22-0.57) | 0.11 (0.04-0.19) | 0.261 | 0.02 (0.01-0.03) | 0.03 (0.02-0.05) | 0.322 |
| IL-18 | 1054.72 (830.4-1279.04) | 626.86 (331.44-922.29) | 0.05\* | 0.18 (0.13-0.24) | 0.21 (0.10-0.31) | 0.869 |
| IL-1α | 31.28 (16.5-46.05) | 11.44 (1.30-21.58) | 0.02\* | 0.01 (0.01-0.02) | 0.02 (0.01-0.02) | 0.679 |
| IL-1β | 95.31 (54.09-136.53) | 34.04 (16.66-51.42) | 0.117 | 0.04 (0.02-0.06) | 0.04 (0.02-0.06) | 0.71 |
| IL-2 | 2.52 (1.44-3.59) | 0.74 (0.10-1.39) | 0.035\* | 0.12 (0.10-0.15) | 0.15 (0.08-0.23) | 0.592 |
| IL-6 | 25.98 (18.58-33.39) | 9.92 (5.35-14.20) | 0.05\* | 0.39 (0.16-0.62) | 0.50 (0.07-0.93) | 0.591 |
| IP-10 | 7.84 (3.98-11.69) | 2.16 (1.15-3.17) | 0.007\* | 0.33 (0.27-0.39) | 0.22 (0.17-0.26) | 0.017\* |
| Leptin | 1698.76 (1309.2-2088.33) | 397.44 (205.14-589.74) | 0.022\* | 44.62 (33.93-55.30) | 20.02 (15.83-24.22) | 0.017\* |
| LIX | 15.01 (10.86-19.17) | 5.76 (1.28-10.24) | 0.045\* | 4.82 (3.32-6.32) | 3.87 (2.20-5.53) | 0.509 |
| MCP-1 | 39.98 (22.09-57.88) | 4.09 (1.68-6.50) | 0.002\* | 1.83 (1.52-2.13) | 1.42 (1.28-1.56) | 0.117 |
| M1P-2 | 0.93 (0.24-1.61) | 0.77 (-0.63-2.17) | 0.869\* | 0.04 (0.03-0.05) | 0.02 (0.01-0.03) | 0.043\* |
| MIP-1α | 1.07 (0.77-1.37) | 0.51 (0.3-0.71) | 0.789 | 0.02(0.02-0.03) | 0.01 (0.01-0.02) | 0.043\* |
| RANTES | 7.57 (3.93-1.86) | 2.31 (1.60-3.20) | 0.013\* | 1.61 (1.03-2.18) | 0.72 (0.44-0.99) | 0.099 |
| TNF-α | 0.25 (0.17-0.33) | 0.09 (0.02-0.17) | 0.003\* | 0.02 (0.01-0.02) | 0.02 (0.02-0.01 | 0.62 |