# 2012.08.23

This report describes data from 2012.08.23 experiment (7 days of D and / or T).

## day 1 body weight (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 24.2 (0.434; n = 6) |
| Dexa | 25 (0.745; n = 6) |
| Testo | 24.4 (0.612; n = 6) |
| Dexa + Testo | 23.9 (0.974; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.784

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1955 |
| **1** | D vs DT | 0.1853 |

Kruskal-Wallis p value for the three-way comparison is 0.54

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.185 | V < D |
| **1** | D vs DT | 0.1578 | D > DT |

## day 2 body weight (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 24.8 (0.453; n = 6) |
| Dexa | 24.5 (0.596; n = 6) |
| Testo | 24.9 (0.689; n = 6) |
| Dexa + Testo | 24.5 (0.861; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.994

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4259 |
| **1** | D vs DT | 0.4074 |

Kruskal-Wallis p value for the three-way comparison is 0.95

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4221 | V > D |
| **1** | D vs DT | 0.3765 | D > DT |

## day 3 body weight (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 24.2 (0.481; n = 6) |
| Dexa | 24.2 (0.632; n = 6) |
| Testo | 25 (0.629; n = 6) |
| Dexa + Testo | 24.5 (0.876; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.763

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3528 |
| **1** | D vs DT | 0.4915 |

Kruskal-Wallis p value for the three-way comparison is 0.945

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3697 | V > D |
| **1** | D vs DT | 0.4545 | D < DT |

## day 4 body weight (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 24.3 (0.481; n = 6) |
| Dexa | 24.1 (0.596; n = 6) |
| Testo | 25.2 (0.626; n = 6) |
| Dexa + Testo | 24.7 (0.964; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.629

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2061 |
| **1** | D vs DT | 0.4074 |

Kruskal-Wallis p value for the three-way comparison is 0.818

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2635 | V > D |
| **1** | D vs DT | 0.3984 | D < DT |

## day 5 body weight (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 25.1 (0.428; n = 6) |
| Dexa | 24.9 (0.61; n = 6) |
| Testo | 26 (0.56; n = 6) |
| Dexa + Testo | 25.6 (1.07; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.682

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2335 |
| **1** | D vs DT | 0.3909 |

Kruskal-Wallis p value for the three-way comparison is 0.802

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.256 | V > D |
| **1** | D vs DT | 0.3442 | D < DT |

## day 6 body weight (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 24.6 (0.508; n = 6) |
| Dexa | 23.8 (0.578; n = 6) |
| Testo | 25.6 (0.624; n = 6) |
| Dexa + Testo | 25.2 (0.977; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.193

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.0347 |
| **1** | D vs DT | 0.2216 |

Kruskal-Wallis p value for the three-way comparison is 0.232

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.04381 | V > D |
| **1** | D vs DT | 0.1953 | D < DT |

## day 7 body weight (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 25.3 (0.528; n = 6) |
| Dexa | 24.6 (0.608; n = 6) |
| Testo | 26.8 (0.668; n = 6) |
| Dexa + Testo | 25.6 (1.02; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.211

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1617 |
| **1** | D vs DT | 0.2344 |

Kruskal-Wallis p value for the three-way comparison is 0.533

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1523 | V > D |
| **1** | D vs DT | 0.1873 | D < DT |

## day 8 body weight (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 25.7 (0.541; n = 6) |
| Dexa | 25.2 (0.598; n = 6) |
| Testo | 27 (0.633; n = 6) |
| Dexa + Testo | 25.9 (0.956; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.364

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2324 |
| **1** | D vs DT | 0.2899 |

Kruskal-Wallis p value for the three-way comparison is 0.777

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2599 | V > D |
| **1** | D vs DT | 0.2837 | D < DT |

## body weight gain after 1 days (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.55 (0.115; n = 6) |
| Dexa | -0.5 (0.375; n = 6) |
| Testo | 0.533 (0.133; n = 6) |
| Dexa + Testo | 0.6 (0.164; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.036

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.005049 |
| **1** | D vs DT | 0.01251 |

Kruskal-Wallis p value for the three-way comparison is 0.0225

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.005821 | V > D |
| **1** | D vs DT | 0.01477 | D < DT |

## body weight gain after 2 days (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.0167 (0.111; n = 6) |
| Dexa | -0.85 (0.369; n = 6) |
| Testo | 0.6 (0.121; n = 6) |
| Dexa + Testo | 0.56 (0.169; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00123

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.001225 |
| **1** | D vs DT | 0.1204 |

Kruskal-Wallis p value for the three-way comparison is 0.00504

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0005748 | V > D |
| **1** | D vs DT | 0.07196 | D < DT |

## body weight gain after 3 days (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.117 (0.0703; n = 6) |
| Dexa | -0.9 (0.458; n = 6) |
| Testo | 0.817 (0.149; n = 6) |
| Dexa + Testo | 0.8 (0.0632; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000818

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.0005104 |
| **1** | D vs DT | 0.2473 |

Kruskal-Wallis p value for the three-way comparison is 0.00432

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0006326 | V > D |
| **1** | D vs DT | 0.1796 | D < DT |

## body weight gain after 4 days (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.9 (0.177; n = 6) |
| Dexa | -0.15 (0.406; n = 6) |
| Testo | 1.65 (0.26; n = 6) |
| Dexa + Testo | 1.68 (0.153; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00103

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.0002252 |
| **1** | D vs DT | 0.09286 |

Kruskal-Wallis p value for the three-way comparison is 0.00278

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0003026 | V > D |
| **1** | D vs DT | 0.06101 | D < DT |

## body weight gain after 5 days (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.367 (0.15; n = 6) |
| Dexa | -1.17 (0.438; n = 6) |
| Testo | 1.25 (0.118; n = 6) |
| Dexa + Testo | 1.32 (0.575; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000437

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.002078 |
| **1** | D vs DT | 0.05733 |

Kruskal-Wallis p value for the three-way comparison is 0.00241

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.000304 | V > D |
| **1** | D vs DT | 0.01693 | D < DT |

## body weight gain after 6 days (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.13 (0.203; n = 6) |
| Dexa | -0.383 (0.439; n = 6) |
| Testo | 2.38 (0.185; n = 6) |
| Dexa + Testo | 1.66 (0.0927; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000321

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.00677 |
| **1** | D vs DT | 0.08644 |

Kruskal-Wallis p value for the three-way comparison is 0.00436

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0005131 | V > D |
| **1** | D vs DT | 0.03359 | D < DT |

## body weight gain after 7 days (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.48 (0.221; n = 6) |
| Dexa | 0.233 (0.268; n = 6) |
| Testo | 2.63 (0.0989; n = 6) |
| Dexa + Testo | 2.04 (0.108; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000298

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.006094 |
| **1** | D vs DT | 0.05475 |

Kruskal-Wallis p value for the three-way comparison is 0.00341

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0004726 | V > D |
| **1** | D vs DT | 0.01566 | D < DT |

## body weight gain after 1 days (percent)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 2.28 (0.485; n = 6) |
| Dexa | -1.86 (1.5; n = 6) |
| Testo | 2.16 (0.544; n = 6) |
| Dexa + Testo | 2.61 (0.767; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.039

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.006794 |
| **1** | D vs DT | 0.01202 |

Kruskal-Wallis p value for the three-way comparison is 0.0239

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.007088 | V > D |
| **1** | D vs DT | 0.01289 | D < DT |

## body weight gain after 2 days (percent)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.0575 (0.453; n = 6) |
| Dexa | -3.29 (1.45; n = 6) |
| Testo | 2.46 (0.51; n = 6) |
| Dexa + Testo | 2.44 (0.854; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00112

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.0009903 |
| **1** | D vs DT | 0.1166 |

Kruskal-Wallis p value for the three-way comparison is 0.00422

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0004747 | V > D |
| **1** | D vs DT | 0.06848 | D < DT |

## body weight gain after 3 days (percent)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.467 (0.277; n = 6) |
| Dexa | -3.44 (1.76; n = 6) |
| Testo | 3.36 (0.626; n = 6) |
| Dexa + Testo | 3.38 (0.308; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000677

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.0004507 |
| **1** | D vs DT | 0.2479 |

Kruskal-Wallis p value for the three-way comparison is 0.00443

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0006503 | V > D |
| **1** | D vs DT | 0.1802 | D < DT |

## body weight gain after 4 days (percent)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 3.74 (0.778; n = 6) |
| Dexa | -0.456 (1.61; n = 6) |
| Testo | 6.84 (1.13; n = 6) |
| Dexa + Testo | 7.02 (0.53; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00158

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.0003672 |
| **1** | D vs DT | 0.08007 |

Kruskal-Wallis p value for the three-way comparison is 0.00356

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0003932 | V > D |
| **1** | D vs DT | 0.05473 | D < DT |

## body weight gain after 5 days (percent)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.5 (0.602; n = 6) |
| Dexa | -4.51 (1.68; n = 6) |
| Testo | 5.14 (0.501; n = 6) |
| Dexa + Testo | 5.66 (2.58; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000563

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.002368 |
| **1** | D vs DT | 0.07393 |

Kruskal-Wallis p value for the three-way comparison is 0.00354

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0004253 | V > D |
| **1** | D vs DT | 0.02597 | D < DT |

## body weight gain after 6 days (percent)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 4.67 (0.81; n = 6) |
| Dexa | -1.38 (1.75; n = 6) |
| Testo | 9.79 (0.749; n = 6) |
| Dexa + Testo | 6.96 (0.344; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000346

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.006356 |
| **1** | D vs DT | 0.0866 |

Kruskal-Wallis p value for the three-way comparison is 0.00439

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0005167 | V > D |
| **1** | D vs DT | 0.03368 | D < DT |

## body weight gain after 7 days (percent)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 6.12 (0.879; n = 6) |
| Dexa | 1.05 (1.14; n = 6) |
| Testo | 10.8 (0.454; n = 6) |
| Dexa + Testo | 8.62 (0.674; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000467

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.004376 |
| **1** | D vs DT | 0.0529 |

Kruskal-Wallis p value for the three-way comparison is 0.00385

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0005581 | V > D |
| **1** | D vs DT | 0.01492 | D < DT |

## levator (mg)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 68.8 (1.32; n = 6) |
| Dexa | 61 (2.29; n = 6) |
| Testo | 81.5 (2.15; n = 6) |
| Dexa + Testo | 67.2 (2.62; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00105

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1027 |
| **1** | D vs DT | 0.03692 |

Kruskal-Wallis p value for the three-way comparison is 0.0459

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.04451 | V > D |
| **1** | D vs DT | 0.008176 | D < DT |

## tibialis (mg)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 52.4 (1.52; n = 6) |
| Dexa | 49.1 (1.69; n = 6) |
| Testo | 53.1 (2.59; n = 6) |
| Dexa + Testo | 47.6 (1.44; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.188

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2108 |
| **1** | D vs DT | 0.1252 |

Kruskal-Wallis p value for the three-way comparison is 0.125

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1743 | V > D |
| **1** | D vs DT | 0.1265 | D > DT |

## gastrocnemius (mg)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 117 (4.65; n = 6) |
| Dexa | 97.8 (1.78; n = 6) |
| Testo | 126 (6.27; n = 6) |
| Dexa + Testo | 107 (6.37; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00992

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.08635 |
| **1** | D vs DT | 0.006016 |

Kruskal-Wallis p value for the three-way comparison is 0.0348

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.06624 | V > D |
| **1** | D vs DT | 0.005049 | D < DT |

## quadriceps (mg)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 170 (4.05; n = 6) |
| Dexa | 132 (4.14; n = 6) |
| Testo | 177 (5.23; n = 6) |
| Dexa + Testo | 152 (7.34; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00118

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1591 |
| **1** | D vs DT | 0.001658 |

Kruskal-Wallis p value for the three-way comparison is 0.00582

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.08999 | V > D |
| **1** | D vs DT | 0.000684 | D < DT |

## triceps (mg)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 94.1 (5.04; n = 6) |
| Dexa | 77.2 (2.22; n = 6) |
| Testo | 101 (4.32; n = 6) |
| Dexa + Testo | 80.3 (3.01; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00276

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4548 |
| **1** | D vs DT | 0.008574 |

Kruskal-Wallis p value for the three-way comparison is 0.0249

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4394 | V > D |
| **1** | D vs DT | 0.006983 | D < DT |

## heart (mg)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 131 (10.4; n = 6) |
| Dexa | 126 (7.82; n = 6) |
| Testo | 129 (11.9; n = 6) |
| Dexa + Testo | 140 (13.2; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.831

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1753 |
| **1** | D vs DT | 0.3198 |

Kruskal-Wallis p value for the three-way comparison is 0.667

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1857 | V > D |
| **1** | D vs DT | 0.3035 | D < DT |

## levator (permille)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 2.68 (0.0761; n = 6) |
| Dexa | 2.42 (0.0892; n = 6) |
| Testo | 3.03 (0.12; n = 6) |
| Dexa + Testo | 2.61 (0.14; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.0144

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.161 |
| **1** | D vs DT | 0.06815 |

Kruskal-Wallis p value for the three-way comparison is 0.207

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1743 | V > D |
| **1** | D vs DT | 0.03818 | D < DT |

## tibialis (permille)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 2.04 (0.0721; n = 6) |
| Dexa | 1.95 (0.0842; n = 6) |
| Testo | 1.96 (0.073; n = 6) |
| Dexa + Testo | 1.84 (0.0312; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.204

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.09565 |
| **1** | D vs DT | 0.1973 |

Kruskal-Wallis p value for the three-way comparison is 0.0839

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.09727 | V > D |
| **1** | D vs DT | 0.1656 | D > DT |

## gastrocnemius (permille)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 4.56 (0.18; n = 6) |
| Dexa | 3.88 (0.044; n = 6) |
| Testo | 4.67 (0.205; n = 6) |
| Dexa + Testo | 4.1 (0.114; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00459

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1057 |
| **1** | D vs DT | 0.001256 |

Kruskal-Wallis p value for the three-way comparison is 0.00834

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.09916 | V > D |
| **1** | D vs DT | 0.001011 | D < DT |

## quadriceps (permille)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 6.64 (0.124; n = 6) |
| Dexa | 5.22 (0.104; n = 6) |
| Testo | 6.55 (0.103; n = 6) |
| Dexa + Testo | 5.85 (0.116; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000424

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.08258 |
| **1** | D vs DT | 9.001e-05 |

Kruskal-Wallis p value for the three-way comparison is 0.000999

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.03115 | V > D |
| **1** | D vs DT | 0.0001013 | D < DT |

## triceps (permille)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 3.67 (0.184; n = 6) |
| Dexa | 3.07 (0.114; n = 6) |
| Testo | 3.74 (0.116; n = 6) |
| Dexa + Testo | 3.11 (0.165; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.0129

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4612 |
| **1** | D vs DT | 0.01344 |

Kruskal-Wallis p value for the three-way comparison is 0.069

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4783 | V > D |
| **1** | D vs DT | 0.0198 | D < DT |

## heart (permille)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 5.11 (0.383; n = 6) |
| Dexa | 4.99 (0.249; n = 6) |
| Testo | 4.76 (0.376; n = 6) |
| Dexa + Testo | 5.39 (0.435; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.733

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2529 |
| **1** | D vs DT | 0.4157 |

Kruskal-Wallis p value for the three-way comparison is 0.798

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.253 | V > D |
| **1** | D vs DT | 0.4096 | D < DT |

## fat mass before (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 3.13 (0.181; n = 6) |
| Dexa | 3.42 (0.363; n = 6) |
| Testo | 3.09 (0.0999; n = 6) |
| Dexa + Testo | 2.95 (0.097; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.909

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.235 |
| **1** | D vs DT | 0.3829 |

Kruskal-Wallis p value for the three-way comparison is 0.798

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.253 | V < D |
| **1** | D vs DT | 0.4096 | D > DT |

## lean mass before (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 19.8 (0.58; n = 6) |
| Dexa | 20.2 (0.545; n = 6) |
| Testo | 20 (0.546; n = 6) |
| Dexa + Testo | 19.9 (1.04; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.963

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3514 |
| **1** | D vs DT | 0.3048 |

Kruskal-Wallis p value for the three-way comparison is 0.831

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3235 | V < D |
| **1** | D vs DT | 0.2838 | D > DT |

## total water before (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 15.7 (0.56; n = 6) |
| Dexa | 16.2 (0.679; n = 6) |
| Testo | 15.5 (0.492; n = 6) |
| Dexa + Testo | 15.8 (1.14; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.862

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2933 |
| **1** | D vs DT | 0.3198 |

Kruskal-Wallis p value for the three-way comparison is 0.833

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3004 | V < D |
| **1** | D vs DT | 0.3035 | D > DT |

## fat mass after (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 4.63 (0.0679; n = 6) |
| Dexa | 5.65 (0.171; n = 6) |
| Testo | 4.48 (0.149; n = 6) |
| Dexa + Testo | 5.38 (0.159; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000868

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2795 |
| **1** | D vs DT | 0.001658 |

Kruskal-Wallis p value for the three-way comparison is 0.00315

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2359 | V < D |
| **1** | D vs DT | 0.0005601 | D > DT |

## lean mass after (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 19.5 (0.613; n = 6) |
| Dexa | 17 (0.429; n = 6) |
| Testo | 21.3 (0.658; n = 6) |
| Dexa + Testo | 18.3 (0.964; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00561

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1591 |
| **1** | D vs DT | 0.01851 |

Kruskal-Wallis p value for the three-way comparison is 0.056

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1262 | V > D |
| **1** | D vs DT | 0.008176 | D < DT |

## total water after (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 15.3 (0.788; n = 6) |
| Dexa | 13.5 (0.901; n = 6) |
| Testo | 16.4 (0.715; n = 6) |
| Dexa + Testo | 14 (0.917; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.126

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.382 |
| **1** | D vs DT | 0.09351 |

Kruskal-Wallis p value for the three-way comparison is 0.343

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3433 | V > D |
| **1** | D vs DT | 0.07648 | D < DT |

## fat mass before (percent of BW)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 13 (0.817; n = 6) |
| Dexa | 13.6 (1.19; n = 6) |
| Testo | 12.7 (0.185; n = 6) |
| Dexa + Testo | 12.5 (0.749; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.946

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.285 |
| **1** | D vs DT | 0.3667 |

Kruskal-Wallis p value for the three-way comparison is 0.762

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2393 | V < D |
| **1** | D vs DT | 0.3035 | D > DT |

## lean mass before (percent of BW)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 81.9 (1.07; n = 6) |
| Dexa | 81 (1.63; n = 6) |
| Testo | 81.9 (0.239; n = 6) |
| Dexa + Testo | 83 (1.04; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.682

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1438 |
| **1** | D vs DT | 0.3829 |

Kruskal-Wallis p value for the three-way comparison is 0.631

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1687 | V > D |
| **1** | D vs DT | 0.3237 | D < DT |

## total water before (percent of BW)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 65 (2; n = 6) |
| Dexa | 64.8 (1.71; n = 6) |
| Testo | 63.5 (1.93; n = 6) |
| Dexa + Testo | 66 (3.02; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.946

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4516 |
| **1** | D vs DT | 0.4492 |

Kruskal-Wallis p value for the three-way comparison is 0.972

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.448 | V > D |
| **1** | D vs DT | 0.4545 | D < DT |

## fat mass after (percent of BW)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 18.1 (0.581; n = 6) |
| Dexa | 22.4 (0.512; n = 6) |
| Testo | 16.6 (0.545; n = 6) |
| Dexa + Testo | 20.8 (0.883; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00108

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2062 |
| **1** | D vs DT | 0.003665 |

Kruskal-Wallis p value for the three-way comparison is 0.00621

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1502 | V < D |
| **1** | D vs DT | 0.0008329 | D > DT |

## lean mass after (percent of BW)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 75.9 (0.785; n = 6) |
| Dexa | 67.4 (0.652; n = 6) |
| Testo | 78.7 (0.816; n = 6) |
| Dexa + Testo | 70.4 (1.35; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000418

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2227 |
| **1** | D vs DT | 0.004159 |

Kruskal-Wallis p value for the three-way comparison is 0.00336

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1528 | V > D |
| **1** | D vs DT | 0.0004572 | D < DT |

## total water after (percent of BW)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 59.5 (2.97; n = 6) |
| Dexa | 53.4 (3.06; n = 6) |
| Testo | 60.8 (1.51; n = 6) |
| Dexa + Testo | 53.7 (2.64; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.0626

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4838 |
| **1** | D vs DT | 0.0529 |

Kruskal-Wallis p value for the three-way comparison is 0.133

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4957 | V > D |
| **1** | D vs DT | 0.03818 | D < DT |

## fat mass gain (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.5 (0.188; n = 6) |
| Dexa | 2.23 (0.227; n = 6) |
| Testo | 1.39 (0.169; n = 6) |
| Dexa + Testo | 2.42 (0.134; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00934

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2822 |
| **1** | D vs DT | 0.02512 |

Kruskal-Wallis p value for the three-way comparison is 0.0271

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2672 | V < D |
| **1** | D vs DT | 0.02271 | D < DT |

## lean mass gain (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | -0.327 (0.203; n = 6) |
| Dexa | -3.21 (0.166; n = 6) |
| Testo | 1.31 (0.188; n = 6) |
| Dexa + Testo | -1.57 (0.133; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000125

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.09025 |
| **1** | D vs DT | 0.002484 |

Kruskal-Wallis p value for the three-way comparison is 0.000811

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.03603 | V > D |
| **1** | D vs DT | 8.066e-05 | D < DT |

## total water gain (g)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | -0.461 (1.04; n = 6) |
| Dexa | -2.71 (1.04; n = 6) |
| Testo | 0.977 (0.599; n = 6) |
| Dexa + Testo | -1.87 (1.24; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.122

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2132 |
| **1** | D vs DT | 0.05765 |

Kruskal-Wallis p value for the three-way comparison is 0.302

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2037 | V > D |
| **1** | D vs DT | 0.06136 | D < DT |

## fat mass gain (percent of BW)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 5.13 (0.726; n = 6) |
| Dexa | 8.83 (0.896; n = 6) |
| Testo | 3.95 (0.627; n = 6) |
| Dexa + Testo | 8.37 (0.427; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.0026

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4548 |
| **1** | D vs DT | 0.009617 |

Kruskal-Wallis p value for the three-way comparison is 0.0187

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.418 | V < D |
| **1** | D vs DT | 0.005049 | D > DT |

## lean mass gain (percent of BW)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | -6.02 (0.713; n = 6) |
| Dexa | -13.6 (1.21; n = 6) |
| Testo | -3.17 (0.708; n = 6) |
| Dexa + Testo | -12.6 (0.571; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00045

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4291 |
| **1** | D vs DT | 0.007631 |

Kruskal-Wallis p value for the three-way comparison is 0.00397

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4052 | V > D |
| **1** | D vs DT | 0.001224 | D < DT |

## total water gain (percent of BW)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | -5.53 (4.33; n = 6) |
| Dexa | -11.4 (3.95; n = 6) |
| Testo | -2.75 (2.41; n = 6) |
| Dexa + Testo | -12.3 (4.87; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.391

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4387 |
| **1** | D vs DT | 0.1857 |

Kruskal-Wallis p value for the three-way comparison is 0.527

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4052 | V > D |
| **1** | D vs DT | 0.1956 | D > DT |

## fat mass gain (percent)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 12.2 (2.15; n = 6) |
| Dexa | 17.9 (3.31; n = 6) |
| Testo | 11.1 (1.43; n = 6) |
| Dexa + Testo | 19.8 (1.82; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.0489

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1993 |
| **1** | D vs DT | 0.09351 |

Kruskal-Wallis p value for the three-way comparison is 0.121

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2227 | V < D |
| **1** | D vs DT | 0.09428 | D < DT |

## lean mass gain (percent)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | -0.397 (0.249; n = 6) |
| Dexa | -3.96 (0.175; n = 6) |
| Testo | 1.6 (0.228; n = 6) |
| Dexa + Testo | -1.89 (0.151; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000125

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.09025 |
| **1** | D vs DT | 0.002484 |

Kruskal-Wallis p value for the three-way comparison is 0.000811

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.03603 | V > D |
| **1** | D vs DT | 8.066e-05 | D < DT |

## total water gain (percent)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | -0.517 (1.58; n = 6) |
| Dexa | -4.05 (1.54; n = 6) |
| Testo | 1.64 (0.891; n = 6) |
| Dexa + Testo | -2.56 (1.73; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.0807

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2301 |
| **1** | D vs DT | 0.0529 |

Kruskal-Wallis p value for the three-way comparison is 0.278

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2227 | V > D |
| **1** | D vs DT | 0.05473 | D < DT |

## gastrocnemius cathepsin activity (rel.u.)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 30800 (629; n = 6) |
| Dexa | 19600 (1270; n = 6) |
| Testo | 22900 (2200; n = 6) |
| Dexa + Testo | 20600 (522; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.00365

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3904 |
| **1** | D vs DT | 0.0003643 |

Kruskal-Wallis p value for the three-way comparison is 0.00484

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3931 | V > D |
| **1** | D vs DT | 0.001216 | D < DT |

## quadricepscathepsin activity (rel.u.)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 39000 (2030; n = 6) |
| Dexa | 21500 (2340; n = 6) |
| Testo | 28100 (911; n = 6) |
| Dexa + Testo | 20200 (2140; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00104

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3247 |
| **1** | D vs DT | 0.000524 |

Kruskal-Wallis p value for the three-way comparison is 0.00383

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3595 | V > D |
| **1** | D vs DT | 0.003035 | D > DT |

## triceps cathepsin activity (rel.u.)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 36100 (3350; n = 5) |
| Dexa | 20100 (1460; n = 6) |
| Testo | 21200 (2270; n = 5) |
| Dexa + Testo | 14900 (795; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00237

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.05614 |
| **1** | D vs DT | 0.009361 |

Kruskal-Wallis p value for the three-way comparison is 0.00293

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0809 | V > D |
| **1** | D vs DT | 0.01622 | D > DT |

## gastrocnemius proteasome activity (rel.u.)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 3840 (858; n = 6) |
| Dexa | 3490 (643; n = 6) |
| Testo | 3880 (595; n = 6) |
| Dexa + Testo | 3240 (630; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.902

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4806 |
| **1** | D vs DT | 0.3352 |

Kruskal-Wallis p value for the three-way comparison is 0.913

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4437 | V > D |
| **1** | D vs DT | 0.3875 | D > DT |

## quadriceps proteasome activity (rel.u.)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 19200 (2720; n = 6) |
| Dexa | 14800 (1440; n = 6) |
| Testo | 27800 (4510; n = 6) |
| Dexa + Testo | 12800 (1620; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.0261

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2961 |
| **1** | D vs DT | 0.1436 |

Kruskal-Wallis p value for the three-way comparison is 0.217

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2461 | V > D |
| **1** | D vs DT | 0.1387 | D > DT |

## triceps proteasome activity (rel.u.)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 14000 (1150; n = 6) |
| Dexa | 10100 (1270; n = 6) |
| Testo | 13400 (1300; n = 6) |
| Dexa + Testo | 11800 (3140; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.116

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3851 |
| **1** | D vs DT | 0.01666 |

Kruskal-Wallis p value for the three-way comparison is 0.106

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4265 | V > D |
| **1** | D vs DT | 0.02597 | D < DT |

## triceps calpain activity (rel.u.)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 17900 (1320; n = 5) |
| Dexa | 3650 (921; n = 5) |
| Testo | 12900 (1030; n = 6) |
| Dexa + Testo | 4500 (1650; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.000841

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4392 |
| **1** | D vs DT | 0.0003193 |

Kruskal-Wallis p value for the three-way comparison is 0.009

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.416 | V > D |
| **1** | D vs DT | 0.00291 | D < DT |

## gastrocnemius calpain activity (rel.u.)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 30700 (2800; n = 4) |
| Dexa | 35200 (2340; n = 5) |
| Testo | 31900 (1800; n = 6) |
| Dexa + Testo | 40000 (3470; n = 3) |

Kruskal-Wallis p value for the four-way comparison is 0.167

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1607 |
| **1** | D vs DT | 0.1019 |

Kruskal-Wallis p value for the three-way comparison is 0.149

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.168 | V < D |
| **1** | D vs DT | 0.1235 | D < DT |

## gastrocnemius Ct(Becn1) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 3.85 (0.691; n = 4) |
| Dexa | 5.42 (0.301; n = 4) |
| Testo | 2.31 (0.323; n = 4) |
| Dexa + Testo | 5.73 (0.282; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0158

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3552 |
| **1** | D vs DT | 0.06874 |

Kruskal-Wallis p value for the three-way comparison is 0.0775

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.312 | V < D |
| **1** | D vs DT | 0.04776 | D < DT |

## gastrocnemius Ct(Bnip3) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.185 (0.528; n = 4) |
| Dexa | -0.216 (0.402; n = 4) |
| Testo | -1.11 (1.08; n = 4) |
| Dexa + Testo | 1.43 (0.157; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0667

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.01564 |
| **1** | D vs DT | 0.3016 |

Kruskal-Wallis p value for the three-way comparison is 0.0498

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.009301 | V > D |
| **1** | D vs DT | 0.2781 | D < DT |

## gastrocnemius Ct(Ctsl) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 6.09 (0.409; n = 4) |
| Dexa | 5.62 (0.263; n = 4) |
| Testo | 4.08 (0.321; n = 4) |
| Dexa + Testo | 5.8 (0.188; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0308

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3016 |
| **1** | D vs DT | 0.2762 |

Kruskal-Wallis p value for the three-way comparison is 0.694

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2462 | V > D |
| **1** | D vs DT | 0.2164 | D < DT |

## gastrocnemius Ct(Ddit4) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 5.9 (0.834; n = 4) |
| Dexa | 4.5 (0.23; n = 4) |
| Testo | 4.33 (0.375; n = 4) |
| Dexa + Testo | 6 (0.573; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.201

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.09066 |
| **1** | D vs DT | 0.1174 |

Kruskal-Wallis p value for the three-way comparison is 0.309

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1012 | V > D |
| **1** | D vs DT | 0.08491 | D < DT |

## gastrocnemius Ct(Fbxo32) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.91 (0.505; n = 4) |
| Dexa | 0.852 (0.034; n = 4) |
| Testo | 0.156 (0.312; n = 4) |
| Dexa + Testo | 1.54 (0.871; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.121

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.5 |
| **1** | D vs DT | 0.1864 |

Kruskal-Wallis p value for the three-way comparison is 0.491

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4609 | V > D |
| **1** | D vs DT | 0.1404 | D < DT |

## gastrocnemius Ct(Foxo1) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 6.66 (0.352; n = 4) |
| Dexa | 6.32 (0.168; n = 4) |
| Testo | 5.45 (0.167; n = 4) |
| Dexa + Testo | 7.18 (0.688; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0496

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.207 |
| **1** | D vs DT | 0.2762 |

Kruskal-Wallis p value for the three-way comparison is 0.472

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1197 | V > D |
| **1** | D vs DT | 0.1887 | D < DT |

## gastrocnemius Ct(Foxo3a) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 7.96 (0.341; n = 4) |
| Dexa | 7.91 (0.221; n = 4) |
| Testo | 6.52 (0.192; n = 4) |
| Dexa + Testo | 8.96 (0.483; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0146

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.09066 |
| **1** | D vs DT | 0.4119 |

Kruskal-Wallis p value for the three-way comparison is 0.167

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.03878 | V > D |
| **1** | D vs DT | 0.3843 | D < DT |

## gastrocnemius Ct(Foxo4) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 5.16 (0.379; n = 4) |
| Dexa | 5.59 (0.277; n = 4) |
| Testo | 3.13 (0.335; n = 4) |
| Dexa + Testo | 5.97 (0.4; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.016

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.328 |
| **1** | D vs DT | 0.1864 |

Kruskal-Wallis p value for the three-way comparison is 0.199

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2781 | V < D |
| **1** | D vs DT | 0.1197 | D < DT |

## gastrocnemius Ct(Igf1) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 6.67 (0.245; n = 4) |
| Dexa | 7.84 (0.334; n = 4) |
| Testo | 4.78 (0.383; n = 4) |
| Dexa + Testo | 6.95 (0.324; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.00915

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1174 |
| **1** | D vs DT | 0.04382 |

Kruskal-Wallis p value for the three-way comparison is 0.069

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.05833 | V < D |
| **1** | D vs DT | 0.01206 | D > DT |

## gastrocnemius Ct(Igf1r) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 7.09 (0.463; n = 4) |
| Dexa | 7.91 (0.441; n = 4) |
| Testo | 5.38 (0.139; n = 4) |
| Dexa + Testo | 8.31 (0.517; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0165

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.252 |
| **1** | D vs DT | 0.252 |

Kruskal-Wallis p value for the three-way comparison is 0.211

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1887 | V < D |
| **1** | D vs DT | 0.1887 | D < DT |

## gastrocnemius Ct(Klf15) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 6.8 (0.435; n = 4) |
| Dexa | 6.97 (0.218; n = 4) |
| Testo | 5.93 (0.112; n = 4) |
| Dexa + Testo | 7.94 (0.422; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0314

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.07913 |
| **1** | D vs DT | 0.441 |

Kruskal-Wallis p value for the three-way comparison is 0.123

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.03122 | V < D |
| **1** | D vs DT | 0.4223 | D < DT |

## gastrocnemius Ct(Map1lc3b) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 2.74 (0.558; n = 4) |
| Dexa | 2.89 (0.246; n = 4) |
| Testo | 1.34 (0.173; n = 4) |
| Dexa + Testo | 3.38 (0.32; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0284

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2289 |
| **1** | D vs DT | 0.3552 |

Kruskal-Wallis p value for the three-way comparison is 0.368

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1634 | V < D |
| **1** | D vs DT | 0.3474 | D < DT |

## gastrocnemius Ct(Nr3c1) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 4.6 (0.49; n = 4) |
| Dexa | 4.9 (0.325; n = 4) |
| Testo | 2.3 (0.557; n = 4) |
| Dexa + Testo | 4.49 (0.188; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0432

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2762 |
| **1** | D vs DT | 0.3552 |

Kruskal-Wallis p value for the three-way comparison is 0.735

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2164 | V < D |
| **1** | D vs DT | 0.3474 | D > DT |

## gastrocnemius Ct(Odc) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | -0.0212 (0.423; n = 4) |
| Dexa | 0.473 (0.286; n = 4) |
| Testo | -1.94 (0.28; n = 4) |
| Dexa + Testo | 0.252 (0.181; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0273

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3016 |
| **1** | D vs DT | 0.207 |

Kruskal-Wallis p value for the three-way comparison is 0.551

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2462 | V < D |
| **1** | D vs DT | 0.1404 | D > DT |

## gastrocnemius Ct(Stk11) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 3.48 (0.42; n = 4) |
| Dexa | 4.86 (0.452; n = 4) |
| Testo | 2.57 (0.227; n = 4) |
| Dexa + Testo | 4.99 (0.147; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0132

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.441 |
| **1** | D vs DT | 0.03169 |

Kruskal-Wallis p value for the three-way comparison is 0.0581

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4223 | V < D |
| **1** | D vs DT | 0.01549 | D < DT |

## gastrocnemius Ct(Trim63) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.406 (0.428; n = 4) |
| Dexa | 0.262 (0.117; n = 4) |
| Testo | -0.401 (0.373; n = 4) |
| Dexa + Testo | 1.34 (0.488; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.104

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.06874 |
| **1** | D vs DT | 0.3552 |

Kruskal-Wallis p value for the three-way comparison is 0.199

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.03878 | V > D |
| **1** | D vs DT | 0.2781 | D < DT |

## quadriceps Ct(Becn1) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 5.66 (0.211; n = 4) |
| Dexa | 7.28 (0.217; n = 4) |
| Testo | 6.42 (0.29; n = 4) |
| Dexa + Testo | 7.71 (0.0944; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.00583

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.207 |
| **1** | D vs DT | 0.007131 |

Kruskal-Wallis p value for the three-way comparison is 0.0154

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1634 | V < D |
| **1** | D vs DT | 0.03122 | D < DT |

## quadriceps Ct(Bnip3) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 2.79 (0.166; n = 4) |
| Dexa | 3.12 (0.295; n = 4) |
| Testo | 3.1 (0.158; n = 4) |
| Dexa + Testo | 3.44 (0.229; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.226

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1327 |
| **1** | D vs DT | 0.1672 |

Kruskal-Wallis p value for the three-way comparison is 0.146

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1634 | V < D |
| **1** | D vs DT | 0.1634 | D < DT |

## quadriceps Ct(Ctsl) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 4.17 (0.139; n = 4) |
| Dexa | 4.24 (0.284; n = 4) |
| Testo | 4.44 (0.255; n = 4) |
| Dexa + Testo | 4.93 (0.103; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.078

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.02248 |
| **1** | D vs DT | 0.328 |

Kruskal-Wallis p value for the three-way comparison is 0.0345

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.02493 | V < D |
| **1** | D vs DT | 0.312 | D < DT |

## quadriceps Ct(Ddit4) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 6.92 (0.688; n = 4) |
| Dexa | 7.07 (0.466; n = 4) |
| Testo | 7.52 (0.17; n = 4) |
| Dexa + Testo | 7.96 (0.383; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.346

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.03735 |
| **1** | D vs DT | 0.2762 |

Kruskal-Wallis p value for the three-way comparison is 0.219

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.04776 | V < D |
| **1** | D vs DT | 0.3474 | D < DT |

## quadriceps Ct(Fbxo32) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 3.58 (0.297; n = 4) |
| Dexa | 3.57 (0.143; n = 4) |
| Testo | 4.14 (0.335; n = 4) |
| Dexa + Testo | 3.78 (0.457; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.642

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3832 |
| **1** | D vs DT | 0.441 |

Kruskal-Wallis p value for the three-way comparison is 0.874

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3474 | V > D |
| **1** | D vs DT | 0.4609 | D < DT |

## quadriceps Ct(Foxo1) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 6.68 (0.51; n = 4) |
| Dexa | 7.3 (0.449; n = 4) |
| Testo | 7.45 (0.19; n = 4) |
| Dexa + Testo | 8.46 (0.258; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0795

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.04382 |
| **1** | D vs DT | 0.207 |

Kruskal-Wallis p value for the three-way comparison is 0.069

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.05833 | V < D |
| **1** | D vs DT | 0.2462 | D < DT |

## quadriceps Ct(Foxo3a) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 7.65 (0.282; n = 4) |
| Dexa | 8.92 (0.361; n = 4) |
| Testo | 8.18 (0.251; n = 4) |
| Dexa + Testo | 9.95 (0.233; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0125

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1174 |
| **1** | D vs DT | 0.02675 |

Kruskal-Wallis p value for the three-way comparison is 0.0173

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1012 | V < D |
| **1** | D vs DT | 0.05833 | D < DT |

## quadriceps Ct(Foxo4) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 4.98 (0.355; n = 4) |
| Dexa | 6.68 (0.294; n = 4) |
| Testo | 5.2 (0.126; n = 4) |
| Dexa + Testo | 7.44 (0.205; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.00673

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2289 |
| **1** | D vs DT | 0.01066 |

Kruskal-Wallis p value for the three-way comparison is 0.0154

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1634 | V < D |
| **1** | D vs DT | 0.03122 | D < DT |

## quadriceps Ct(Igf1) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 9.67 (0.247; n = 4) |
| Dexa | 10.9 (0.264; n = 4) |
| Testo | 9.37 (0.263; n = 4) |
| Dexa + Testo | 10.4 (0.395; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.029

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1672 |
| **1** | D vs DT | 0.008742 |

Kruskal-Wallis p value for the three-way comparison is 0.0488

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1404 | V < D |
| **1** | D vs DT | 0.007114 | D > DT |

## quadriceps Ct(Igf1r) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 7.88 (0.17; n = 4) |
| Dexa | 9.48 (0.307; n = 4) |
| Testo | 8.51 (0.268; n = 4) |
| Dexa + Testo | 10.2 (0.186; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.00608

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1493 |
| **1** | D vs DT | 0.01066 |

Kruskal-Wallis p value for the three-way comparison is 0.0125

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1197 | V < D |
| **1** | D vs DT | 0.03878 | D < DT |

## quadriceps Ct(Klf15) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 5.69 (0.322; n = 4) |
| Dexa | 6.74 (0.182; n = 4) |
| Testo | 7.21 (0.242; n = 4) |
| Dexa + Testo | 7.88 (0.244; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.00826

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.01564 |
| **1** | D vs DT | 0.1327 |

Kruskal-Wallis p value for the three-way comparison is 0.0125

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.03878 | V < D |
| **1** | D vs DT | 0.1197 | D < DT |

## quadriceps Ct(Map1lc3b) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.72 (0.16; n = 4) |
| Dexa | 2.39 (0.199; n = 4) |
| Testo | 2.3 (0.148; n = 4) |
| Dexa + Testo | 3 (0.0777; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0081

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.04382 |
| **1** | D vs DT | 0.04382 |

Kruskal-Wallis p value for the three-way comparison is 0.00971

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.04776 | V < D |
| **1** | D vs DT | 0.08491 | D < DT |

## quadriceps Ct(Nr3c1) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 2.77 (0.624; n = 4) |
| Dexa | 3.98 (0.482; n = 4) |
| Testo | 3.65 (0.185; n = 4) |
| Dexa + Testo | 4.13 (0.448; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.303

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.441 |
| **1** | D vs DT | 0.05944 |

Kruskal-Wallis p value for the three-way comparison is 0.232

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4223 | V < D |
| **1** | D vs DT | 0.08491 | D < DT |

## quadriceps Ct(Odc) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 2.53 (0.228; n = 4) |
| Dexa | 3.05 (0.171; n = 4) |
| Testo | 1.89 (0.358; n = 4) |
| Dexa + Testo | 2.67 (0.373; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.104

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1672 |
| **1** | D vs DT | 0.09066 |

Kruskal-Wallis p value for the three-way comparison is 0.368

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1634 | V < D |
| **1** | D vs DT | 0.08491 | D > DT |

## quadriceps Ct(Stk11) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 4.56 (0.238; n = 4) |
| Dexa | 6.64 (0.411; n = 4) |
| Testo | 5.33 (0.257; n = 4) |
| Dexa + Testo | 7.25 (0.177; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.00602

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2762 |
| **1** | D vs DT | 0.005787 |

Kruskal-Wallis p value for the three-way comparison is 0.0183

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2164 | V < D |
| **1** | D vs DT | 0.02493 | D < DT |

## quadriceps Ct(Trim63) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 5.11 (0.114; n = 4) |
| Dexa | 5.26 (0.354; n = 4) |
| Testo | 5.72 (0.209; n = 4) |
| Dexa + Testo | 6.35 (0.261; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0369

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.01564 |
| **1** | D vs DT | 0.2762 |

Kruskal-Wallis p value for the three-way comparison is 0.0345

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.02493 | V < D |
| **1** | D vs DT | 0.312 | D < DT |

## triceps Ct(Becn1) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 4.84 (0.218; n = 4) |
| Dexa | 6.41 (0.12; n = 4) |
| Testo | 5.57 (0.0703; n = 4) |
| Dexa + Testo | 6.97 (0.0771; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.00275

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1174 |
| **1** | D vs DT | 0.008742 |

Kruskal-Wallis p value for the three-way comparison is 0.00728

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.05833 | V < D |
| **1** | D vs DT | 0.05833 | D < DT |

## triceps Ct(Bnip3) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.2 (0.295; n = 4) |
| Dexa | 1.34 (0.118; n = 4) |
| Testo | 1.32 (0.561; n = 4) |
| Dexa + Testo | 1.66 (0.558; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.115

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4704 |
| **1** | D vs DT | 0.01879 |

Kruskal-Wallis p value for the three-way comparison is 0.0581

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4223 | V < D |
| **1** | D vs DT | 0.01549 | D < DT |

## triceps Ct(Ctsl) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 4.95 (0.171; n = 4) |
| Dexa | 5.25 (0.11; n = 4) |
| Testo | 5.37 (0.0505; n = 4) |
| Dexa + Testo | 6.06 (0.0848; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0136

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.008742 |
| **1** | D vs DT | 0.2289 |

Kruskal-Wallis p value for the three-way comparison is 0.021

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.01974 | V < D |
| **1** | D vs DT | 0.2781 | D < DT |

## triceps Ct(Ddit4) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 6.92 (0.964; n = 4) |
| Dexa | 6.83 (0.254; n = 4) |
| Testo | 8.55 (0.188; n = 4) |
| Dexa + Testo | 8.51 (0.205; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0411

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.008742 |
| **1** | D vs DT | 0.1864 |

Kruskal-Wallis p value for the three-way comparison is 0.0592

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.009301 | V > D |
| **1** | D vs DT | 0.1887 | D < DT |

## triceps Ct(Fbxo32) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 2.25 (0.331; n = 4) |
| Dexa | 2 (0.265; n = 4) |
| Testo | 3.06 (0.188; n = 4) |
| Dexa + Testo | 2.43 (0.262; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.135

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1864 |
| **1** | D vs DT | 0.328 |

Kruskal-Wallis p value for the three-way comparison is 0.668

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1887 | V > D |
| **1** | D vs DT | 0.3843 | D < DT |

## triceps Ct(Foxo1) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 6.9 (0.547; n = 4) |
| Dexa | 6.96 (0.345; n = 4) |
| Testo | 7.95 (0.235; n = 4) |
| Dexa + Testo | 8.25 (0.259; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.104

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.01879 |
| **1** | D vs DT | 0.4119 |

Kruskal-Wallis p value for the three-way comparison is 0.087

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.02493 | V < D |
| **1** | D vs DT | 0.4609 | D < DT |

## triceps Ct(Foxo3a) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 8.4 (0.311; n = 4) |
| Dexa | 9.24 (0.27; n = 4) |
| Testo | 10 (0.13; n = 4) |
| Dexa + Testo | 10.6 (0.199; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.00495

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.005787 |
| **1** | D vs DT | 0.207 |

Kruskal-Wallis p value for the three-way comparison is 0.0154

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.03122 | V < D |
| **1** | D vs DT | 0.1634 | D < DT |

## triceps Ct(Foxo4) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 5.24 (0.337; n = 4) |
| Dexa | 6.82 (0.224; n = 4) |
| Testo | 6.22 (0.185; n = 4) |
| Dexa + Testo | 7.09 (0.221; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.00843

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.252 |
| **1** | D vs DT | 0.005787 |

Kruskal-Wallis p value for the three-way comparison is 0.0183

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2164 | V < D |
| **1** | D vs DT | 0.02493 | D < DT |

## triceps Ct(Igf1) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 7.94 (0.151; n = 4) |
| Dexa | 8.09 (0.117; n = 4) |
| Testo | 7.14 (0.358; n = 4) |
| Dexa + Testo | 7.75 (0.149; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.1

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.07913 |
| **1** | D vs DT | 0.252 |

Kruskal-Wallis p value for the three-way comparison is 0.334

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.07066 | V < D |
| **1** | D vs DT | 0.2781 | D > DT |

## triceps Ct(Igf1r) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 6.88 (0.238; n = 4) |
| Dexa | 8.4 (0.269; n = 4) |
| Testo | 8.31 (0.164; n = 4) |
| Dexa + Testo | 9.61 (0.168; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.00532

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.03735 |
| **1** | D vs DT | 0.03735 |

Kruskal-Wallis p value for the three-way comparison is 0.00728

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.05833 | V < D |
| **1** | D vs DT | 0.05833 | D < DT |

## triceps Ct(Klf15) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 5.82 (0.397; n = 4) |
| Dexa | 6.87 (0.275; n = 4) |
| Testo | 8.18 (0.0934; n = 4) |
| Dexa + Testo | 8.64 (0.0573; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.00367

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.005787 |
| **1** | D vs DT | 0.1864 |

Kruskal-Wallis p value for the three-way comparison is 0.0125

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.03878 | V < D |
| **1** | D vs DT | 0.1197 | D < DT |

## triceps Ct(Map1lc3b) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 2.86 (0.123; n = 4) |
| Dexa | 3.51 (0.18; n = 4) |
| Testo | 3.92 (0.133; n = 4) |
| Dexa + Testo | 4.3 (0.0759; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.00437

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.01564 |
| **1** | D vs DT | 0.09066 |

Kruskal-Wallis p value for the three-way comparison is 0.00728

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.05833 | V < D |
| **1** | D vs DT | 0.05833 | D < DT |

## triceps Ct(Nr3c1) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 4.37 (0.427; n = 4) |
| Dexa | 5.75 (0.376; n = 4) |
| Testo | 4.64 (0.395; n = 4) |
| Dexa + Testo | 5.95 (0.285; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0415

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3552 |
| **1** | D vs DT | 0.02675 |

Kruskal-Wallis p value for the three-way comparison is 0.0548

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3474 | V < D |
| **1** | D vs DT | 0.03122 | D < DT |

## triceps Ct(Odc) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.1 (0.236; n = 4) |
| Dexa | 1.7 (0.183; n = 4) |
| Testo | 1.14 (0.334; n = 4) |
| Dexa + Testo | 1.19 (0.473; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.657

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.207 |
| **1** | D vs DT | 0.1174 |

Kruskal-Wallis p value for the three-way comparison is 0.551

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2462 | V < D |
| **1** | D vs DT | 0.1404 | D > DT |

## triceps Ct(Stk11) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 3.85 (0.155; n = 4) |
| Dexa | 5.65 (0.23; n = 4) |
| Testo | 4.62 (0.201; n = 4) |
| Dexa + Testo | 6.14 (0.129; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0048

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2289 |
| **1** | D vs DT | 0.005787 |

Kruskal-Wallis p value for the three-way comparison is 0.0154

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1634 | V < D |
| **1** | D vs DT | 0.03122 | D < DT |

## triceps Ct(Trim63) - Ct(Gapdh)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.14 (0.299; n = 4) |
| Dexa | 1.94 (0.309; n = 4) |
| Testo | 2.08 (0.244; n = 4) |
| Dexa + Testo | 2.53 (0.145; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0441

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.07913 |
| **1** | D vs DT | 0.07913 |

Kruskal-Wallis p value for the three-way comparison is 0.0388

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1012 | V < D |
| **1** | D vs DT | 0.1012 | D < DT |

## gastrocnemius 4E-BP protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.788 (0.0127; n = 2) |
| Dexa | 0.99 (0.0252; n = 2) |
| Testo | 0.76 (0.0203; n = 2) |
| Dexa + Testo | 1.05 (0.00882; n = 2) |

Kruskal-Wallis p value for the four-way comparison is 0.104

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2071 |
| **1** | D vs DT | 0.1537 |

Kruskal-Wallis p value for the three-way comparison is 0.102

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1425 | V < D |
| **1** | D vs DT | 0.1425 | D < DT |

## gastrocnemius phospho-4E-BP protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.878 (0.0731; n = 4) |
| Dexa | 1.43 (0.0356; n = 4) |
| Testo | 0.925 (0.126; n = 4) |
| Dexa + Testo | 1.29 (0.0743; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.0103

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.207 |
| **1** | D vs DT | 0.003001 |

Kruskal-Wallis p value for the three-way comparison is 0.0154

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1634 | V < D |
| **1** | D vs DT | 0.00223 | D > DT |

## gastrocnemius phospho-4E-BP / total 4E-BP

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.957 (0.0143; n = 2) |
| Dexa | 1.4 (0.0752; n = 2) |
| Testo | 1.03 (0.186; n = 2) |
| Dexa + Testo | 1.31 (0.0778; n = 2) |

Kruskal-Wallis p value for the four-way comparison is 0.139

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3415 |
| **1** | D vs DT | 0.0331 |

Kruskal-Wallis p value for the three-way comparison is 0.156

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2965 | V < D |
| **1** | D vs DT | 0.03068 | D > DT |

## gastrocnemius Akt protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.583 (0.013; n = 2) |
| Dexa | 0.53 (0.0142; n = 2) |
| Testo | 0.655 (0.0311; n = 2) |
| Dexa + Testo | 0.57 (0.00015; n = 2) |

Kruskal-Wallis p value for the four-way comparison is 0.104

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1537 |
| **1** | D vs DT | 0.07652 |

Kruskal-Wallis p value for the three-way comparison is 0.156

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.09072 | V > D |
| **1** | D vs DT | 0.03068 | D < DT |

## gastrocnemius phospho-Akt-Ser473 (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.371 (0.075; n = 4) |
| Dexa | 0.239 (0.045; n = 4) |
| Testo | 0.302 (0.0259; n = 4) |
| Dexa + Testo | 0.241 (0.0628; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.368

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4704 |
| **1** | D vs DT | 0.05944 |

Kruskal-Wallis p value for the three-way comparison is 0.309

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4609 | V > D |
| **1** | D vs DT | 0.1012 | D < DT |

## gastrocnemius phospho-Akt-Ser473 / total Akt

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.702 (0.0606; n = 2) |
| Dexa | 0.587 (0.00161; n = 2) |
| Testo | 0.552 (0.0891; n = 2) |
| Dexa + Testo | 0.522 (0.0418; n = 2) |

Kruskal-Wallis p value for the four-way comparison is 0.198

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2071 |
| **1** | D vs DT | 0.1103 |

Kruskal-Wallis p value for the three-way comparison is 0.102

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1425 | V > D |
| **1** | D vs DT | 0.1425 | D > DT |

## gastrocnemius hyperphosphorylated Akt (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.249 (0.0295; n = 4) |
| Dexa | 0.284 (0.0307; n = 4) |
| Testo | 0.181 (0.0366; n = 4) |
| Dexa + Testo | 0.254 (0.0131; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.205

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2762 |
| **1** | D vs DT | 0.1864 |

Kruskal-Wallis p value for the three-way comparison is 0.584

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2164 | V < D |
| **1** | D vs DT | 0.1634 | D > DT |

## gastrocnemius hyperphosphorylated Akt / total Akt

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.343 (0.00318; n = 2) |
| Dexa | 0.457 (0.0303; n = 2) |
| Testo | 0.223 (0.0705; n = 2) |
| Dexa + Testo | 0.384 (0.0174; n = 2) |

Kruskal-Wallis p value for the four-way comparison is 0.0833

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2071 |
| **1** | D vs DT | 0.05124 |

Kruskal-Wallis p value for the three-way comparison is 0.102

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1425 | V < D |
| **1** | D vs DT | 0.01625 | D > DT |

## gastrocnemius phospho-eIF2alpha (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.93 (0.24; n = 4) |
| Dexa | 2.16 (0.632; n = 4) |
| Testo | 1.69 (0.118; n = 4) |
| Dexa + Testo | 2.12 (0.464; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.892

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3832 |
| **1** | D vs DT | 0.441 |

Kruskal-Wallis p value for the three-way comparison is 0.981

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4609 | V < D |
| **1** | D vs DT | 0.4609 | D > DT |

## gastrocnemius GR protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 2.64 (0.427; n = 4) |
| Dexa | 3.71 (1.31; n = 4) |
| Testo | 2.45 (0.187; n = 4) |
| Dexa + Testo | 2.82 (0.735; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.999

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.441 |
| **1** | D vs DT | 0.4704 |

Kruskal-Wallis p value for the three-way comparison is 0.981

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4223 | V < D |
| **1** | D vs DT | 0.4609 | D > DT |

## gastrocnemius IGF1R protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.264 (0.0111; n = 2) |
| Dexa | 0.385 (0.00985; n = 2) |
| Testo | 0.282 (0.0129; n = 2) |
| Dexa + Testo | 0.253 (0.0362; n = 2) |

Kruskal-Wallis p value for the four-way comparison is 0.212

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.0331 |
| **1** | D vs DT | 0.0331 |

Kruskal-Wallis p value for the three-way comparison is 0.18

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0544 | V < D |
| **1** | D vs DT | 0.0544 | D > DT |

## gastrocnemius phospho-IGF1R (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.188 (0.0133; n = 2) |
| Dexa | 0.312 (0.0163; n = 2) |
| Testo | 0.108 (0.0202; n = 2) |
| Dexa + Testo | 0.168 (0.0513; n = 2) |

Kruskal-Wallis p value for the four-way comparison is 0.16

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.07652 |
| **1** | D vs DT | 0.1103 |

Kruskal-Wallis p value for the three-way comparison is 0.18

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.0544 | V < D |
| **1** | D vs DT | 0.0544 | D > DT |

## gastrocnemius phospho-IGF1R / total IGF1R

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.712 (0.0206; n = 2) |
| Dexa | 0.813 (0.0633; n = 2) |
| Testo | 0.386 (0.0893; n = 2) |
| Dexa + Testo | 0.649 (0.11; n = 2) |

Kruskal-Wallis p value for the four-way comparison is 0.16

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2071 |
| **1** | D vs DT | 0.1537 |

Kruskal-Wallis p value for the three-way comparison is 0.368

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1425 | V < D |
| **1** | D vs DT | 0.09072 | D > DT |

## gastrocnemius LC3-II (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.3 (0.39; n = 4) |
| Dexa | 2.49 (1.04; n = 4) |
| Testo | 1.53 (0.348; n = 4) |
| Dexa + Testo | 1.74 (0.617; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.967

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3832 |
| **1** | D vs DT | 0.328 |

Kruskal-Wallis p value for the three-way comparison is 0.944

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3843 | V < D |
| **1** | D vs DT | 0.3843 | D > DT |

## gastrocnemius LC3-II / LC-I

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.502 (0.121; n = 4) |
| Dexa | 0.503 (0.0826; n = 4) |
| Testo | 0.789 (0.184; n = 4) |
| Dexa + Testo | 0.628 (0.16; n = 4) |

Kruskal-Wallis p value for the four-way comparison is 0.385

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.328 |
| **1** | D vs DT | 0.3832 |

Kruskal-Wallis p value for the three-way comparison is 0.779

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.312 | V < D |
| **1** | D vs DT | 0.4223 | D < DT |

## gastrocnemius mu-calpain protein (normalized to historical actin)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.43 (0.0748; n = 6) |
| Dexa | 1.18 (0.125; n = 6) |
| Testo | 1.32 (0.111; n = 6) |
| Dexa + Testo | 1.19 (0.299; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.424

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4323 |
| **1** | D vs DT | 0.06273 |

Kruskal-Wallis p value for the three-way comparison is 0.371

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4826 | V > D |
| **1** | D vs DT | 0.1043 | D < DT |

## levator 4EBP protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.84 (0.186; n = 6) |
| Dexa | 2.1 (0.251; n = 6) |
| Testo | 1.83 (0.347; n = 6) |
| Dexa + Testo | 1.64 (0.0866; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.625

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1117 |
| **1** | D vs DT | 0.1973 |

Kruskal-Wallis p value for the three-way comparison is 0.338

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.07822 | V < D |
| **1** | D vs DT | 0.1517 | D > DT |

## levator phospho-4EBP (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.6 (0.112; n = 6) |
| Dexa | 1.8 (0.195; n = 6) |
| Testo | 1.48 (0.0685; n = 6) |
| Dexa + Testo | 1.33 (0.211; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.423

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.05314 |
| **1** | D vs DT | 0.3198 |

Kruskal-Wallis p value for the three-way comparison is 0.251

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.05101 | V < D |
| **1** | D vs DT | 0.3035 | D > DT |

## levator phospho-4EBP / total 4EBP

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.882 (0.0299; n = 6) |
| Dexa | 0.877 (0.082; n = 6) |
| Testo | 0.972 (0.173; n = 6) |
| Dexa + Testo | 0.797 (0.0902; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.934

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3635 |
| **1** | D vs DT | 0.3992 |

Kruskal-Wallis p value for the three-way comparison is 0.798

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3275 | V > D |
| **1** | D vs DT | 0.4096 | D > DT |

## levator Akt protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.519 (0.0867; n = 6) |
| Dexa | 0.466 (0.0503; n = 6) |
| Testo | 0.569 (0.0985; n = 6) |
| Dexa + Testo | 0.389 (0.0131; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.974

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3697 |
| **1** | D vs DT | 0.5 |

Kruskal-Wallis p value for the three-way comparison is 0.909

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3354 | V > D |
| **1** | D vs DT | 0.4545 | D > DT |

## levator phospho-Akt-Ser473 (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.627 (0.144; n = 6) |
| Dexa | 0.337 (0.0727; n = 6) |
| Testo | 0.284 (0.024; n = 6) |
| Dexa + Testo | 0.225 (0.094; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.119

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2375 |
| **1** | D vs DT | 0.05765 |

Kruskal-Wallis p value for the three-way comparison is 0.0725

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2744 | V > D |
| **1** | D vs DT | 0.04868 | D > DT |

## levator phospho-Akt-Ser473 / total Akt

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.26 (0.293; n = 6) |
| Dexa | 0.72 (0.146; n = 6) |
| Testo | 0.604 (0.127; n = 6) |
| Dexa + Testo | 0.568 (0.23; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.196

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2989 |
| **1** | D vs DT | 0.06815 |

Kruskal-Wallis p value for the three-way comparison is 0.184

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3677 | V > D |
| **1** | D vs DT | 0.07648 | D > DT |

## levator eIF3f protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.519 (0.0228; n = 6) |
| Dexa | 0.549 (0.0425; n = 6) |
| Testo | 0.433 (0.0821; n = 6) |
| Dexa + Testo | 0.492 (0.0212; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.692

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1671 |
| **1** | D vs DT | 0.3829 |

Kruskal-Wallis p value for the three-way comparison is 0.517

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1262 | V < D |
| **1** | D vs DT | 0.3237 | D > DT |

## levator GR protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.267 (0.0224; n = 6) |
| Dexa | 0.201 (0.0352; n = 6) |
| Testo | 0.213 (0.00529; n = 6) |
| Dexa + Testo | 0.165 (0.024; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00205

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.06152 |
| **1** | D vs DT | 0.009617 |

Kruskal-Wallis p value for the three-way comparison is 0.00646

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.07056 | V > D |
| **1** | D vs DT | 0.03818 | D > DT |

## levator IGF1R protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.992 (0.117; n = 6) |
| Dexa | 1.02 (0.106; n = 6) |
| Testo | 1.02 (0.142; n = 6) |
| Dexa + Testo | 0.681 (0.0844; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.159

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.03097 |
| **1** | D vs DT | 0.4157 |

Kruskal-Wallis p value for the three-way comparison is 0.106

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.02487 | V < D |
| **1** | D vs DT | 0.4096 | D > DT |

## levator phospho-IGF1R (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.114 (0.0446; n = 3) |
| Dexa | 0.261 (0.071; n = 5) |
| Testo | 0.104 (0.00557; n = 4) |
| Dexa + Testo | 0.111 (0.0339; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.295

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.04544 |
| **1** | D vs DT | 0.1236 |

Kruskal-Wallis p value for the three-way comparison is 0.213

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.05219 | V < D |
| **1** | D vs DT | 0.09465 | D > DT |

## levator phospho-IGF1R / total IGF1R

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.14 (0.0585; n = 3) |
| Dexa | 0.272 (0.0832; n = 5) |
| Testo | 0.0988 (0.0131; n = 4) |
| Dexa + Testo | 0.141 (0.0279; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.282

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.09424 |
| **1** | D vs DT | 0.1557 |

Kruskal-Wallis p value for the three-way comparison is 0.267

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.06144 | V < D |
| **1** | D vs DT | 0.1303 | D > DT |

## levator total LC3 protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.198 (0.0128; n = 6) |
| Dexa | 0.224 (0.0159; n = 6) |
| Testo | 0.168 (0.00809; n = 6) |
| Dexa + Testo | 0.135 (0.0164; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.00765

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.000673 |
| **1** | D vs DT | 0.1638 |

Kruskal-Wallis p value for the three-way comparison is 0.0172

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.002296 | V < D |
| **1** | D vs DT | 0.1387 | D > DT |

## levator LC3-II (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.667 (0.194; n = 6) |
| Dexa | 1.18 (0.306; n = 5) |
| Testo | 0.334 (0.068; n = 5) |
| Dexa + Testo | 1.83 (0.958; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.185

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2538 |
| **1** | D vs DT | 0.1356 |

Kruskal-Wallis p value for the three-way comparison is 0.539

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2976 | V < D |
| **1** | D vs DT | 0.1335 | D < DT |

## levator LC3-II / LC-I

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.267 (0.0903; n = 6) |
| Dexa | 0.88 (0.28; n = 5) |
| Testo | 0.16 (0.026; n = 5) |
| Dexa + Testo | 2.25 (1.49; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.081

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.1311 |
| **1** | D vs DT | 0.0271 |

Kruskal-Wallis p value for the three-way comparison is 0.173

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1762 | V < D |
| **1** | D vs DT | 0.03053 | D < DT |

## levator mu-calpain protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.293 (0.0125; n = 6) |
| Dexa | 0.306 (0.0254; n = 6) |
| Testo | 0.311 (0.0343; n = 6) |
| Dexa + Testo | 0.312 (0.0197; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.893

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4806 |
| **1** | D vs DT | 0.2616 |

Kruskal-Wallis p value for the three-way comparison is 0.602

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4739 | V < D |
| **1** | D vs DT | 0.1802 | D < DT |

## tibialis 4EBP protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 2.1 (0.192; n = 3) |
| Dexa | 3.54 (0.394; n = 3) |
| Testo | 1.41 (0.00372; n = 3) |
| Dexa + Testo | 2.82 (0.367; n = 3) |

Kruskal-Wallis p value for the four-way comparison is 0.0273

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2485 |
| **1** | D vs DT | 0.04471 |

Kruskal-Wallis p value for the three-way comparison is 0.0794

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1855 | V < D |
| **1** | D vs DT | 0.01267 | D > DT |

## tibialis phospho-4EBP (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 5 (0.897; n = 3) |
| Dexa | 6.79 (1.55; n = 3) |
| Testo | 5.61 (1.93; n = 3) |
| Dexa + Testo | 7.2 (1.26; n = 3) |

Kruskal-Wallis p value for the four-way comparison is 0.34

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3253 |
| **1** | D vs DT | 0.1288 |

Kruskal-Wallis p value for the three-way comparison is 0.252

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.2755 | V < D |
| **1** | D vs DT | 0.1484 | D < DT |

## tibialis phospho-4EBP / total 4EBP

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 2.47 (0.591; n = 3) |
| Dexa | 1.98 (0.561; n = 3) |
| Testo | 3.96 (1.35; n = 3) |
| Dexa + Testo | 2.68 (0.701; n = 3) |

Kruskal-Wallis p value for the four-way comparison is 0.536

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.214 |
| **1** | D vs DT | 0.2485 |

Kruskal-Wallis p value for the three-way comparison is 0.561

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.1484 | V > D |
| **1** | D vs DT | 0.228 | D < DT |

## tibialis Akt protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 1.74 (0.11; n = 3) |
| Dexa | 1.49 (0.132; n = 3) |
| Testo | 0.953 (0.042; n = 3) |
| Dexa + Testo | 1.12 (0.0783; n = 3) |

Kruskal-Wallis p value for the four-way comparison is 0.0261

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.08712 |
| **1** | D vs DT | 0.2856 |

Kruskal-Wallis p value for the three-way comparison is 0.0509

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.05053 | V > D |
| **1** | D vs DT | 0.228 | D > DT |

## tibialis phospho-Akt-Ser473 (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.394 (0.199; n = 3) |
| Dexa | 0.0181 (0.00594; n = 3) |
| Testo | 0.0401 (0.01; n = 3) |
| Dexa + Testo | 0.018 (0.0064; n = 3) |

Kruskal-Wallis p value for the four-way comparison is 0.0434

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4549 |
| **1** | D vs DT | 0.008709 |

Kruskal-Wallis p value for the three-way comparison is 0.0665

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4407 | V > D |
| **1** | D vs DT | 0.02632 | D > DT |

## tibialis phospho-Akt-Ser473 / total Akt

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.215 (0.0984; n = 3) |
| Dexa | 0.0127 (0.0049; n = 3) |
| Testo | 0.0414 (0.0086; n = 3) |
| Dexa + Testo | 0.0154 (0.00459; n = 3) |

Kruskal-Wallis p value for the four-way comparison is 0.03

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4549 |
| **1** | D vs DT | 0.006369 |

Kruskal-Wallis p value for the three-way comparison is 0.0665

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4407 | V > D |
| **1** | D vs DT | 0.01844 | D < DT |

## tibialis LC3-II (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 4.39 (0.488; n = 6) |
| Dexa | 4.3 (0.714; n = 6) |
| Testo | 3.47 (0.556; n = 6) |
| Dexa + Testo | 4.22 (0.657; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.575

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.4644 |
| **1** | D vs DT | 0.4661 |

Kruskal-Wallis p value for the three-way comparison is 0.993

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.4523 | V > D |
| **1** | D vs DT | 0.4772 | D > DT |

## tibialis LC3-II / LC-I

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 0.565 (0.0419; n = 6) |
| Dexa | 0.604 (0.0791; n = 6) |
| Testo | 0.515 (0.071; n = 6) |
| Dexa + Testo | 0.701 (0.0829; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.386

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.2607 |
| **1** | D vs DT | 0.2347 |

Kruskal-Wallis p value for the three-way comparison is 0.378

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3119 | V < D |
| **1** | D vs DT | 0.1802 | D < DT |

## tibialis GR protein (normalized to GAPDH)

| Treatment | Average (SD; n) |
|---|---|
| Vehicle | 2.99 (0.399; n = 6) |
| Dexa | 3.11 (0.292; n = 6) |
| Testo | 2.41 (0.213; n = 6) |
| Dexa + Testo | 2.81 (0.253; n = 5) |

Kruskal-Wallis p value for the four-way comparison is 0.459

| | contrastsfour | dunns.P |
|---|---|---|
| **5** | V vs D | 0.3365 |
| **1** | D vs DT | 0.3508 |

Kruskal-Wallis p value for the three-way comparison is 0.878

| | Comparison | P value | Direction |
|---|---|---|---|
| **3** | V vs D | 0.3196 | V < D |
| **1** | D vs DT | 0.3445 | D > DT |