**Supplementary Figure 1.**

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Plotted are pairs of levator ani muscle volume change (x axis) and change in other androgen-sensitive parameters (y – axis i.e. hemoglobin, hematocrit, sexual function, fat mass and lean mass1) from 12 to 0 months as a percentage forming an xy point each. The direction was adjusted to indicate worsening for all parameters. All androgen-sensitive parameters have decrements to varying extents as levator ani muscle volume decreases and there is clear separation between the ADT and control group.  Sexual function refers to the sexual component of the Aging Males’ Symptoms scale2.

**Supplementary Figure 2**

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Plotted are pairs of muscle function change (y-axis3) and muscle volume change (x-axis) from 12 to 0 months as a percentage forming an xy point each. The trend line for the relationship was significant (r=0.69, p=0.03). Red symbols indicate androgen-sensitive (AS) muscles (iliopsoas and quadriceps peak torque and force), blue symbols refer to androgen-insensitive muscles (calf peak torque).

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