

Supplemental Data

Supplemental Table S1: Vinclozolin P60-150 generation animal body, testis weight and serum testosterone (T) levels.

Generation	Body Weight (gm)	Testis Weight (mg)	Testis/Body Ratio $\times 10^{-3}$	T Levels (ng/ml)
F1 Control	513 \pm 12.63	3.95 \pm 0.14	7.79 \pm 0.25	3.34 \pm 0.39
F1 vinclozolin	517 \pm 12.00	3.67 \pm 0.08	7.11 \pm 0.19	3.88 \pm 0.40
F2 Control	416 \pm 25.13	3.54 \pm 0.12	8.64 \pm 0.34	5.35 \pm 1.14
F2 vinclozolin	414 \pm 27.36	3.41 \pm 0.09	8.47 \pm 0.46	4.78 \pm 1.14
F3 Control	551 \pm 14.96	4.18 \pm 0.09	7.60 \pm 0.17	3.65 \pm 0.42
F3 vinclozolin	537 \pm 15.80	3.66 \pm 0.08	6.85 \pm 0.11	3.62 \pm 0.30

The different generations data were collected at different times. Exact age matched controls were used within a generation, but ages varied between generations within the developmental period indicated.

Supplemental Table S2: Flutamide and P60-150⁺ generation animal body, testis weight serum testosterone (T) levels.

Generation	Body Weight (gm)	Testis Weight (mg)	Testis/Body Ratio $\times 10^{-3}$	T Levels (ng/ml)
F1 Control	409 \pm 40.27	3.33 \pm 0.13	8.45 \pm 0.53	2.17 \pm 0.49
F1 Flutamide 5mg	405 \pm 32.37	3.21 \pm 0.18	8.02 \pm 0.26	7.35 \pm 1.36(*)
F1 Flutamide 20mg	445 \pm 34.37	3.38 \pm 0.16	7.76 \pm 0.35	2.90 \pm 0.36
F2 Control	480 \pm 25.40	3.66 \pm 0.07	7.89 \pm 0.43	3.75 \pm 0.45
F2 Flutamide 5mg	388 \pm 18.53	2.86 \pm 0.16	7.45 \pm 0.49	2.17 \pm 0.41
F2 Flutamide 20mg	495 \pm 26.12	3.75 \pm 0.11	7.71 \pm 0.25	2.83 \pm 0.38
F3 Control⁺	265 \pm 2.88	2.68 \pm 0.14	10.32 \pm 0.41	2.90 \pm 0.26
F3 Flutamide 5mg	402 \pm 28.39	3.52 \pm 0.15	8.81 \pm 0.24	1.14 \pm 0.34
F3 Flutamide 20mg	390 \pm 31.89	3.37 \pm 0.08	8.84 \pm 0.80	0.57 \pm 0.07

(*) indicates significant difference compared to controls

The different generations data were collected at different times. Exact age matched controls were used within a generation, but ages varied between generations within the developmental period indicated. Note (+), the F3 control animals were collected at postnatal day 22, so were outside the P60-150 range for all other weights and T level data.

Supplemental Table S3: Vinclozolin P160-360 generation animal body, testis weight and serum testosterone (T) levels.

Vinclozolin animals				
Generation/Dose	Body Weight (gm)	Testis Weight (mg)	Testis/Body Ratio $\times 10^{-3}$	T Levels (ng/ml)
F1 Control	676 \pm 26.0	4.02 \pm 0.13	5.97 \pm 0.22	1.86 \pm 0.45
F1 Vinclozolin 100mg	635 \pm 17.35	3.79 \pm 0.11	5.99 \pm 0.16	1.74 \pm 0.24
F2 Control	589 \pm 18.27	3.99 \pm 0.08	6.88 \pm 0.22	1.02 \pm 0.07
F2 Vinclozolin 100mg	692 \pm 21.16	3.09 \pm 0.07	5.71 \pm 0.16	1.15 \pm 0.12
F3 Control	518 \pm 12.14	4.02 \pm 0.11	7.76 \pm 0.21	1.21 \pm 0.20
F3 Vinclozolin 100mg	601 \pm 20.0	4.00 \pm 0.05	6.75 \pm 0.20	1.47 \pm 0.22

The different generations data were collected at different times. Exact age matched controls were used within a generation, but ages varied between generations within the developmental period indicated.

Supplemental Table S4: Flutamide P160-360 generation animal body, testis weight and serum testosterone (T) levels.

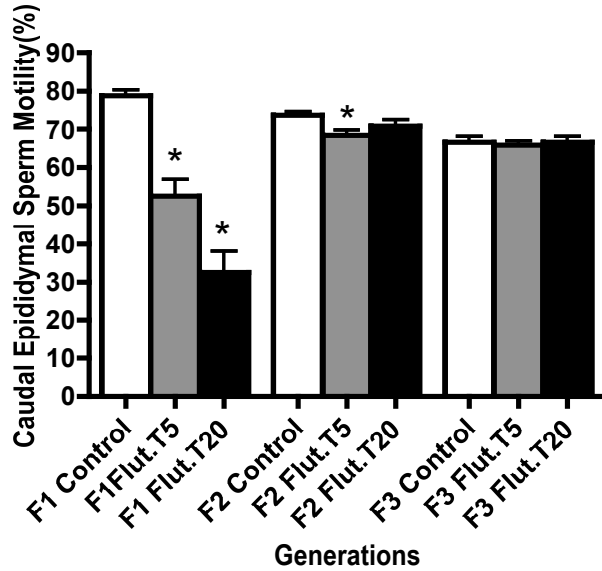
Flutamide Animals				
Generation/Dose	Body Weight (gm)	Testis Weight (mg)	Testis/Body Ratio $\times 10^{-3}$	T Levels (ng/ml)
F1 Control	325 \pm 9.27	3.10 \pm 0.10	9.53 \pm 0.20	1.28 \pm 0.39
F1 Flutamide 5mg	343 \pm 23.22	2.86 \pm 0.13	8.39 \pm 0.36	10.6 \pm 0.75 (*)
F1 Flutamide 20mg	356 \pm 12.12	3.00 \pm 0.04	8.46 \pm 0.40	2.92 \pm 0.65 (*)
F2 Control	544 \pm 19.53	3.69 \pm 0.08	6.87 \pm 0.23	1.55 \pm 0.20
F2 Flutamide 5mg	518 \pm 11.30	3.21 \pm 0.11	6.28 \pm 0.28	1.49 \pm 0.14
F2 Flutamide 20mg	565 \pm 23.92	3.96 \pm 0.06	7.14 \pm 0.23	1.42 \pm 0.37
F3 Control	576 \pm 9.34	3.79 \pm 0.05	6.60 \pm 0.17	0.622 \pm 0.03
F3 Flutamide 5mg	513 \pm 21.41	3.52 \pm 0.12	6.89 \pm 0.25	0.55 \pm 0.19 (*)
F3 Flutamide 20mg	584 \pm 10.21	3.98 \pm 0.09	6.83 \pm 0.18	0.80 \pm 0.13

(*) denotes significant difference compared to controls

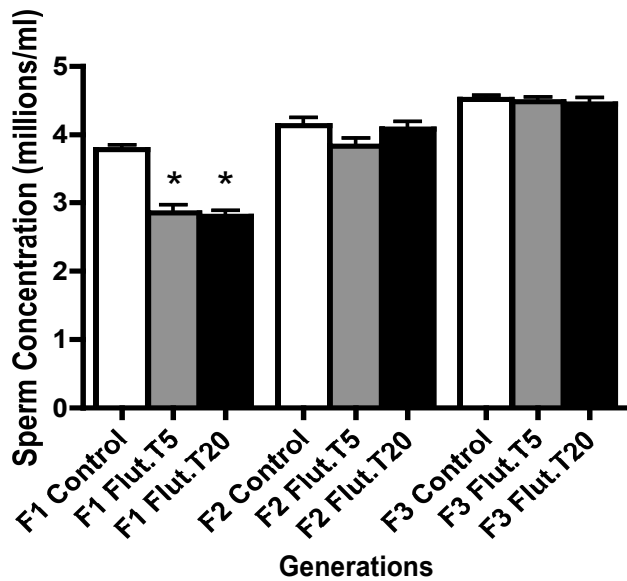
The different generations data were collected at different times. Exact age matched controls were used within a generation, but ages varied between generations within the developmental period indicated.

Supplemental Figure S1: Caudal epididymal sperm motility (A) and number (B) in P160-360 control and flutamide F1, F2 and F3 generation male rats. Statistically significant differences between control and treated generations are indicated by (*) for $p < 0.05$. The n value for each bar ranged between 10 and 25 animals.

A



B



Supplemental Figure S2: Photograph of low dose T5 (5mg/kg/day) Flutamide F2 generation animal with supernumary development (polymelia) of limbs. The multiple limbs are indicated with arrows.

