Suchraum Medizin. Gesundheit. **Externe Datenquellen**

1. Treffer aus **Suchraum Medizin. Gesundheit.**

Titel	**Inhibition of the experimental induction of benign prostatic hyperplasia: a possible role for fluted pumpkin (Telfairia occidentalis Hook f.) seeds.**
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Quelle	**Urologia internationalis** Abk.: Urol Int
Abstract	**Introduction:** **Pumpkins** are thought to be useful in the management of **benign prostatic hyperplasia** (**BPH**). The ability of **a** 15% Telfairia occidentalis seeds incorporated diet to inhibit hormonal induction of **BPH** in rats was studied. Materials and **methods:** Twenty male Wistar rats were divided into 4 equal groups - one test group and three control groups. The test group was placed on the test diet and was given subcutaneous injections of dihydrotestosterone (DHT) and estradiol valerate (ratio 10:1) every other day for 28 days. One control group, 'no test diet' (ND) group, received the hormones, but was placed on **a** normal diet. The other two control groups, 'no hormone' (NH) and 'no hormone/test diet' (NHD), received subcutaneous olive oil (vehicle) for the same duration and were placed on the test and normal diets, respectively. Markers of **BPH** and hormone profile were determined using standard methods. **Results:** The mean relative **prostate** weight (×10(3)) was reduced in the test group (3.6 ± 0.2) relative to the ND group (4.0 ± 0.4). The protein content (mg/tissue) of the rats' **prostates** decreased significantly ($p < 0.05$) from 68.3 ± 2.7 in the ND group to 43.4 ± 3.9 in the test group. Serum **prostatic** acid phosphatase levels (U/l) decreased significantly ($p < 0.05$) from 4.8 ± 0.4 in the ND group to 4.0 ± 0.9 in the test group. Histological findings corroborate these data. The testosterone:estradiol ratio (×10(3)) was significantly ($p < 0.05$) increased from 7.1 ± 0.1 in the ND group to 8.4 ± 0.4 in the test group. **Conclusion:** The test diet inhibited the induction of **BPH** in rats and **may** act by increasing the testosterone:estradiol ratio.
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Chemische Substanzen	Testosterone (3XMK78S47O) ; Estradiol (4TI98Z838E) ; Prolactin (9002-62-4) ; **prostatic** acid phosphatase (EC 3.1.3.2) ; Protein Tyrosine Phosphatases (EC 3.1.3.48)
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