

Suchraum Medizin. Gesundheit. Externe Datenquellen

1. Treffer aus Suchraum Medizin. Gesundheit.



Titel	Inhibition of testosterone-induced hyperplasia of the prostate of sprague-dawley rats by pumpkin seed oil.
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Quelle	Journal of medicinal food Abk.: J Med Food
Abstract	The oil from the pumpkin (<i>Cucurbita pepo</i>) seed is claimed to be useful in the management of benign prostatic hyperplasia . This investigation seeks to examine the effect of pumpkin seed oil on testosterone-induced hyperplasia of the prostate of rats . Hyperplasia was induced by subcutaneous administration of testosterone (0.3 mg/100 g of body weight) for 20 days. Simultaneous oral administration of either pumpkin seed oil (2.0 and 4.0 mg/100 g of body weight) or corn oil (vehicle) was also given for 20 days. The weights of the rats were recorded weekly, and the influence of testosterone and pumpkin seed oil on the weight gain of the rats was examined. On day 21, rats were sacrificed, and the prostate was removed, cleaned, and weighed. The prostate size ratio (prostate weight/rat body weight) was then calculated. Neither testosterone nor pumpkin seed oil had any significant influence on the weight gain of the rats . Testosterone significantly increased prostate size ratio ($P < .05$), and this induced increase was inhibited in rats fed with pumpkin seed oil at 2.0 mg/100 g of body weight. The protective effect of pumpkin seed oil was significant at the higher pumpkin seed oil dose ($P < .02$). We conclude pumpkin seed oil can inhibit testosterone-induced hyperplasia of the prostate and therefore may be beneficial in the management of benign prostatic hyperplasia .
Mesh-Begriff(e)	Animals ; Corn Oil /administration & dosage ; <i>Cucurbita</i> /chemistry ; Male ; Phytotherapy ; Plant Oils/administration & dosage ; Prostatic Hyperplasia /chemically induced ; Prostatic Hyperplasia /prevention & control ; Rats ; Rats, Sprague-Dawley ; Seeds/chemistry ; Testosterone /administration & dosage
Chemische Substanzen	Plant Oils ; Testosterone (3XMK78S47O) ; Corn Oil (8001-30-7)
Sprache	Englisch
Erscheinungsjahr	2006 Band 9, Heft 2, Seite(n) 284–286
Erscheinungsdatum	2006
Erscheinungsland	United States
Dokumenttyp	Journal Article
ISSN	1096-620X
Signatur	ZB MED (Köln): Zs.A 5916
ZDB-ID	1427365-2

 Merkliste **MEDLINE****zur Zeitschrift** **Bestellen**