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Treatment trends on basil herb: The hypothesis of increasing rabbit's male sexual hormones (FSH and LH) and related fertility

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This study was conducted to investigate the effect of FSH hormone and LH hormone on male fertility and its ability to cause pregnancy in female albino rabbits using *Ocimum Basilicum* extract. Basil herb is one of the popular herbal plants with notable health-benefiting (phytonutrients). This highly prized plant is revered as "holy herb" in many cultures all around the world and is found in Africa, Asia and America. It contain many pharmacological properties such as antibacterial, antimicrobial, antioxidant, antiproliferative, antiviral activities, cytoprotective effects, dermatologic effects, endothelial membrane fluidity effects, insecticidal effects, spermicidal effects. *Ocimum basilicum* contain Rosmarinic Acid (RA) with its polyphenol derived from many common herbal plants of the Lamiaceae which increase sex hormones level in blood. Using *Ocimum basilicum* dry leaves extract, we seek in our research to increase male sex hormones (androgens) by increasing FSH and LH and by doing so increasing fertility. New Zealand rabbits were given two different doses of the herb extract according to their weight, then blood samples were taken to laboratory for serum FSH and serum LH analysis, then statistical analysis was done. Our herb was found to be a male sexual hormone enhancer and hence a good in fertility treatment.

Biography

Mohammed Fatima is currently a graduate student in the University of Medical Sciences and Technology, Faculty of Pharmacy, Khartoum, Sudan.

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