

EFFECT OF POLYHERBAL PREPARATION ON SEXUAL BEHAVIOR AND FERTILITY OF MALE RATS

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ABSTRACT – Ayurvedic system of medicines claimed that fourteen indigenous herbs viz., *Asparagus racemosus* Willd. (tuberous roots), *Tinospora cordifolia* Miers. (leaves), *Tribulus terrestris* Linn. (fruits), *Withania somnifera* Dunal. (leaves and seeds), *Asterantha longifolia* Nees. (seeds), *Asparagus adscendens* Roxb. (roots), *Elateria cordomomum* Maton. (seeds), *Crocus sativus* Linn. (dried stigma), *Piper longum* Linn. (fruits), *Syzygium aromatiatum* (Linn.) Merr. et. Perr. (buds), *Maristica fragrans* Houtt. (seeds), *Zingiber officinale* Rose. (rhizome), *Pueraria tuberosa* DC. (kand/ tuber) and *Cinnamomum zylanicum* Nees. (bark) are to be an aphrodisiac. However, the practicing Ayurvedic physicians do not prescribed these herbs altogether in the treatment of male sexual vigor. Therefore, we investigated the immediate effect of these herbs in the form of polyherbal preparation on male sexual vigor and fertility as this has not been examined previously. All the herbs were applied in the powdered form in equal quantity. The dose application was with the normal food at 140 mg/kg. body weight. In a sexual behavior study of male using receptive female rats markedly enhance libido, sexual arousal, sexual vigor and sexual performance within 2 hr., after an oral administration of the polyherbal preparation. Significantly masculine effects on male sexual function was not evident 6 hr. post treatment, indicating rapid onset and offset of action. Further, these herbs did not alter hematological and biochemical parameters than normal values. It was noticed that blood testosterone level marked on higher side just after the 45 minutes of post treatment therefore, semen quantity is also to be towards higher measured value. No marked variation in heart beat and blood pressure. In mating study, polyherbal preparation altered ejaculatory competence, increased vigor, vitality during sex act and mind cancellation only on sex and over eating; but not the fertility. These results suggest that this preparation have remarkable aphrodisiac action, at least, in rats.

Key words : Aphrodisiac, polyherbal, libido, ejaculatory competence, rat.