

AYUSH RESEARCH PORTAL

Research Data of AYUSH Systems at Global Level

[Home](#) [Search](#) [Login](#) [About Us](#) [Contact Us](#) [Feedback\Suggestions](#)

Ministry of AYUSH, Government of India
Ayurveda, Yoga & Naturopathy, Unani, Siddha, Homoeopathy and Sowa Rigpa

Visits - 29

Full Paper Views/Downloads - 3

Article ID	239717
Title of the Article/ Research work	ESTROGENIC EFFECT OF ASPARAGUS RACEMOSUS, CISSUS QUADRANGULARIS, PUNICA GRANATUM AND PUERARIA TUBEROSA IN POST-MENOPAUSAL SYNDROME.
Journal	Pharmacognosy Research Year: 2021 Volume: 13 Issue: 4 Page: 238-245.
Author(s)	1. Seema Singh, 1. Santosh Kumar, 2. Sunita Singh, 3. Chetna Mishra, 3. Dinesh Tripathi, 1. S K Verma.
Designation & Institution	1. Department of Respiratory Medicine, King Georges Medical University, Lucknow, Uttar Pradesh, India. 2. Department of Microbiology, King Georges Medical University, Lucknow, Uttar Pradesh, India. 3. Department of Physiology, King Georges Medical University, Lucknow, Uttar Pradesh, India.
Corresponding address	Dr. Seema Singh, Research Associate, Department of Respiratory Medicine, King Georges Medical University, Lucknow, Uttar Pradesh, India. Email: seemampharm.singh@gmail.com
Disease related (if any)	--
Keywords	Menopause, Estrogenic, Postmenopausal syndrome, Ovariectomized (OVX) rats, Biochemical, Histopathological.
Article URL (Abstract/Full Paper)	https://www.phcogres.com/article/2021/13/4/105530pres13417
	CLICK HERE FOR FULL PAPER IN PDF

Abstract / Details / Synopsis

Background: Asparagus racemosus, Cissus quadrangularis, Punica granatum and Puerariatuberosa are employed for their supposed properties in treatment in alleviating symptoms of menopause traditionally from ages. The aim of the present study is to evaluate the estrogenic effect of Asparagus racemosus, Cissus quadrangularis, Punica granatum and Pueraria tuberosa in ovariectomized (OVX) rats. Materials and Methods: Female wistar rats were divided into sham control and ovariectomized (OVX), OVX rats receiving standard drug, raloxifene (5.4 mg/kg) and groups treated with 500 mg/kg and 700 mg/kg of test drug (containing equal quantity of Asparagus racemosus, Pueraria tuberosa, Cissus quadrangularis and Punica granatum extracts) daily for 90 days. The vaginal cornification, uterine weight, bone loss, biomechanical, biochemical and histopathological observation were carried out to ascertain the effect of test drug in post-menopausal syndrome. Results: The experimental animals treated with mixture of extract of four drugs showed dose dependent activity. The significant increase in uterine weight, femur BMD, femur hardness, was observed. In addition, increased levels of calcium and phosphorus in serum and significant decreased in urine were observed as compared to control OVX group. The histopathological results also confirm the protective effect of extracts. Conclusion: The present findings strongly suggest that Asparagus racemosus, Cissus quadrangularis, Punica granatum and Pueraria tuberosa

possess the potent estrogenic activity in ovariectomized rats and substantiate the ethnic use in treatment of postmenopausal osteoporosis.

[AYUSH](#)[MoHFW](#)[Editorial Board](#)[Help](#)[User Manual](#)

DISCLAIMER :- AYUSH Research Portal is meant for disseminating the knowledge of AYUSH systems and the current research updates purely meant for academic purpose. Ministry of AYUSH, in any way not responsible for the findings, claims or what so ever published and cited from various sources uploaded on to the portal.

However the AYUSH research councils will put in their best efforts to provide valid data to further the cause of inculcating scientific temperament, quality of research, education and training in AYUSH domain. Any suggestions and inputs to improve the quality of portal are welcome. NIC DISCLAIMER :- Content on this web site is managing by NIIMH, HYDERABAD.

© 2020 Ministry of AYUSH, New Delhi. All Rights Reserved. [Designed & Developed by NIIMH \(CCRAS\), Hyderabad.](#)

Last Updated: March 30, 2021.