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Abstract


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In Vivo Evaluation of Root and Leaves of Fashra (*Bryonia laciniosa*) in Taqashshur-E-Jild (Psoriasis)



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ABSTRACT

Background: Psoriasis is a common chronic, non-communicable, painful, disfiguring and disabling, hyperproliferative recurrent papulosquamous disorder of the Skin, characterized by well- defined erythematous plaques bearing large adherent silvery scales. *Fashra (Bryonia laciniosa)* was used as anti-psoriatic drug in Unani system of medicine. **Objectives:** The aim of present study is in vivo assess and evaluate the safety and efficacy of Hydro-alcoholic extract of roots and leaves (HAER &HAEL) of Fashra as Anti-Psoriatic drug. **Material and methods:** The screening of Antipsoriatic activity of HAER &HAEL of Fashra (*Bryonia Lacinosa*) by using IMQ (Imiquimod) induce rat model for psoriasis .Topical application of 150mg IMQ for up to 7 consecutive days, this represent a daily dose of 7.5mg of IMQ. . After 1 hour of IMQ application (HAER &HAEL) of Fashra were given orally. Animals were observed for psoriatic lesions daily for 7 days. Histopathological study of skin also conducted. **Observations and results:** The study revealed that all the IMQ-treated rat significantly decreased prominent characteristics of psoriatic plaques such as erythema, skin thickening, scaling, when compared to NC(Negative control) group. In histopathology skin showed almost normal features, when compared to NC group. **Conclusion:** The present study concluded that HAER &HAEL of Fashra (*Bryonia laciniosa*) exhibits a significant Antipsoriatic activity in vivo.



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REFERENCES:

1. Hunter JAA, Savin JA, Dahl MV. Clinical Dermatology, 3rd ed. USA: Blackwell Science; 2002:48-62.
2. Kumar V, Abbas AK, Fausto N, Robbins and Cotran Pathological Basis of Disease. 7th ed. Delhi: WB Saunders Company; 2003 (P.No:1256).
3. Ram S. Indian psoriasis research: An impact assessment through bibliometric studies. Learning Resource Center, Jaypee University of Information Technology, Wanknaghat, Solan, Himachal Pradesh, India. *Scientometric Res.* | May–Aug 2013 | Vol 2 | Issue 2
4. Mentzer A, Stoff B. Psoriasis. London: Mason Publishing; 2010:7-9.
5. Jeffrey M. Weinberg. Treatment of psoriasis. Birkhäuser Verlag AG, P.O. Box 133,
6. Sehgal VN. Textbook of Dermatology. 5th ed. New Delhi: Jaypee Brothers Medical Publishers; 2011:135-148.
7. Tabari AM. Moalajat Buqratyiah (Urdu translation). Vol-2. New Delhi: CCRUM, Ministry of Health and Family Welfare; 1997:153-155,185.
8. Qarshi HM. Hasan. Jamiul Hikmat. Vol-2. New Delhi: Idara Kitabushshifa; 2011:1005.
9. Ibnul Qaf. Kitabul Umda Fil Jarahat (Urdu translation). Vol-1,2. New Delhi: CCRUM, Ministry of Health and Family Welfare; 1986: 174-75,102- 7,234,263,268,271-72,273,274,292,293.
10. Majoosi. Kamilus Sana (Urdu translation by Kantoori GH). Vol-1, 2. New Delhi: Idara Kitabush Shifa; 2010:431-433,252,255-256
11. Ibn Zohr. Kitabut Taisir Fil Mudawat wat Tadbir (Urdu translation). New Delhi: CCRUM, Ministry of Health and Family Welfare; 1986:204-5.
12. Arzani Akbar. Tibe Akbar (Urdu translation by Hussain M). Deoband: Faisal Publications; YNM:739-740.
13. Razi AMBZ. Kitabul Fakhir Fit Tib (Arabic). Part-1, Vol-1. New Delhi: CCRUM, Ministry of Health and Family Welfare; 2005:28,46
14. Ibnul Qaf. Kitabul Umda Fil Jarahat (Urdu translation). Vol-1,2. New Delhi: CCRUM, Ministry of Health and Family Welfare; 1986: 174-75,102- 7,234,263,268,271-72,273,274,292,293.
15. Ibn Rushd. Kitabul Kulliyat (Urdu translation). 2nd ed. New Delhi: CCRUM, Ministry of Health and Family Welfare; 1987: 89-90,270,277,281- 82,286,294,314,311,319-20,324.
16. Khan Azam. Romooz Azam (Farsi). 2nd ed. Vol-1,2. New Delhi: CCRUM, Ministry of Health and Family Welfare; 2006:185,287,427,404.
17. Razi AMBZ. Alhavi Fit Tib (Urdu translation by Hakeem M Y Siddiqui). Vol-23. AMU: Saba Publishers Aligarh; 1994: 61-62.
18. Ibn Hubul. Kitabul Mukhtarat Fit Tib (Urdu translation). Vol-2,4. New Delhi: CCRUM, Ministry of Health and Family Welfare; 2007: 51,85,118,122-23,185- 86,189-90,190,209,218,224,239,251,263,266-67,282,120-21.
19. Razi AMBZ. Kitabul Mansoori (Urdu translation). New Delhi: CCRUM, Ministry of Health and Family Welfare; 1991:200.
20. Arzani Akbar. Mizanut Tib (Urdu translation by Kabeeruddeen HM). New Delhi: Idara Kitabushshifa; 2001: 257.
21. Dymock W, Warden CJH, Hooper D. Pharmacographia Indica: A History of the principal drugs of vegetable origin. New Delhi: Srishti Book Distributors; vol 2; 92- 93.
22. Wallis T. E. Textbook of Pharmacognosy, (2006) 5th Edition, 680-698.] 44) Tandon N, Sharma M, Reviews on Indian Medicinal Plants, vol 9, Indian Council Of Medical Research, 2009; 558-559. Kiritikar K.R. and Basu B.D. (1987) Indian Medicinal Plants, Vol. II, 2nd ed., published by Lalit Mohan Basu, Allahabad, India, 1023-28.]
23. Pullaiah T. Encyclopaedia of world medicinal plants; India: Regency publications; volume 2 p no 807.
24. Chopra R.N et al. Glossary of Indian medicinal plants; India: NISC; 1996p:42
25. Shashikala M AND Mamata Shah pharmacognostical and phytochemical analysis of different parts of Bryonia laciniata. Department of Pharmacognosy, Gokaraju Rangaraju College of Pharmacy, Hyderabad, India. 2. Department of Pharmacognosy, I. M. College of Pharmacy, Ahmedabad, India.