

عنوان مقاله:

Investigating the Quality Control, Antimicrobial, and Antioxidant Evaluation of the Ointment "Marham-i-Raal" Used in the Unani System of Medicine

محل انتشار:

مجله تحقیقات دارویی و بیومدیک، دوره 10، شماره 1 (سال: 1403)

تعداد صفحات اصل مقاله: 10

نویسندگان:

.Athar Parvez Ansari - Regional Research Institute of Unani Medicine, Chennai (NABH Accredited), New Delhi, India

.Mary Shamy Arokiarajan - Regional Research Institute of Unani Medicine, Chennai (NABH Accredited), New Delhi, India

.Wasim Akram Syed Akbar - Regional Research Institute of Unani Medicine, Chennai (NABH Accredited), New Delhi, India

.N Zaheer Ahmed - Central Council for Research in Unani Medicine, Ministry of Ayush, Government of India, New Delhi, India

.Noman Anwar - Regional Research Institute of Unani Medicine, Chennai (NABH Accredited), New Delhi, India

خلاصه مقاله:

Background: The global promotion of herbal products is not at par due to a lack of quality control studies. Marham-i-Raal, a pharmacopoeial ointment, treats various types of ulcers and wounds. The present study evaluates the quality control, antimicrobial, and antioxidant properties of Marham-i-Raal. **Methods:** The quality control parameters, including loss of weight on drying, pH, total ash value, acid-insoluble ash value, heavy metal analysis, microbial load, and high-performance thin-layer chromatography of Marham-i-Raal, were carried out. Moreover, the antimicrobial and antioxidant activities of Marham-i-Raal were also investigated. **Results:** The quality control findings of Marham-i-Raal, including weight loss on drying, pH, total ash value, acid-insoluble ash value, heavy metal analysis, and microbial load, were found within the normal limits. The antimicrobial study of Marham-i-Raal has shown promising effects against gram-positive bacteria and *Candida albicans*. The antioxidant effects of the test drug were also found to be significant at higher concentrations against ۲,۲-diphenyl-۱-picrylhydrazyl and ۲,۲'-azino-bis-(۳-ethylbenzothiazoline-۶-sulfonic) acid methods. **Conclusion:** The standards developed for the quality control of Marham-i-Raal may be referred to in the future for further studies. This important Unani ointment may be clinically used to treat non-healing ulcers and wounds.

کلمات کلیدی:

Marham-i-Raal, Unani ointment, Quality control, HPTLC, Antimicrobial, Antioxidant

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1940882>

