International Journal of Microbial Science, ISSN (online) 2582-967X, Volume 5, Issue 1, January 2024, pp. 20-21 Available online at <u>https://internationaljournalofmicrobialscience.com/</u>

**Case Report** 

# Khadi Natural Neem Tulsi Soap to Treat Fungal Infection in 18 Years Old Boy

### <sup>1</sup>Gavate SG, <sup>2</sup>Shrirame DH

<sup>1,2</sup> Department of Microbiology, Jayawantrao Sawant Commerce and Science College, Hadapsar, Pune, Maharashtra, India.

## Article Info

#### Article history:

Received: December 10, 2023 Accepted: January 1, 2024 Published: January 22, 2024 Corresponding Author: Gavate SG, Email: <a href="mailto:swatigavate06@gmail.com">swatigavate06@gmail.com</a>

**©Author(s).** This work is licensed under a <u>Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License</u> that permits noncommercial use of the work provided that credit must be given to the creator and adaptation must be shared under the same terms.

Fungal infections are caused by fungi. It usually affects skin, hair, nails [1] mucous membranes, lungs, and other parts of the body. The people with a weak immune system have a higher risk of infection. Antifungal medications are usually used to treat fungal infections. The infections by fungi to the hair, nails and skin are received by a direct contact with infected members [2,3].

An 18 years old boy from a Pune city of Maharashtra was admitted to the hospital (name not known) after suffering from a persistent fungal illness for several days (figure 1). He showed the symptoms of an athlete's foot fungal infection, which may appear white on lighter skin and cause peeling or cracking of the skin. A doctor typically diagnosed an infection by scraping off a person's scaling skin and looking it under a microscope for signs of any fungus.

The patient has used Khadi natural neem tulsi soap. The anti-fungal qualities of it helped to keep the skin soft and supple while shielding it from external microorganisms and the infection got treated (figure 2). To conclude, to treat a variety of fungal infections that impact the body both locally and systemically, Ayurvedic treatments are effective.



Figure 1: Fungal infection on the patient before treatment.



Figure 2: Fungal infection on the patient after treatment.

**Authors' Contribution:** SGG, DHS: Developed an idea, wrote and verified the manuscript.

**Competing interest:** Authors declare that no competing interest exists.

**Ethical Statement:** This work has been performed with official permission of the patient under study.

**Grant Support Details:** Authors did not get funding from any agency to complete this work.

Acknowledgement: The authors are thankful to Dr. Harish Ramchandra Kulkarni, Principal, Jayawantrao Sawant Commerce and Science College, Hadapsar, Pune, Maharashtra, India for his encouragement to publish this case report.

#### **References:**

- Hedya W. Growth-inhibiting effect of cerium oxide nanoparticles on some fungal isolates that may cause the football players' skin diseases. Alfarama Journal of Basic & Applied Sciences. 2023 Jul 1;4(3):529-53.
- Bhattacharya R, Ghosh R, Kulshrestha M, Chowdhury S, Mukherjee R, Ray I. Observational Study on Clinical Features, Treatment and Outcome of COVID 19 in a tertiary care Centre in India-a retrospective case series. medRxiv. 2020 Aug 14:2020-08.
- Alwakeel SS. Characterization of keratinophilic fungal species and other non-dermatophytes in hair and nail samples in riyadh, Saudi Arabia. Ass. Univ. Bull. Environ. Res. 2018 Oct;21(2):3-22.

#### Cite this article as:

Gavate SG, Shrirame HD. Khadi Natural Neem Tulsi Soap to Treat Fungal Infection in 18 Years Old Boy. Int. J. Micro. Sci. 2024; 5(1), 20-21.