

USE OF EZYMA™ (NON-STEROIDAL HYDROGEL) IN TREATMENT OF ATOPIC DERMATITIS – CASE STUDIES

Hafizuddin Taufik RAMLI^a, Fatin Amira YUSOF^b

Background

Atopic dermatitis is the most common dermatological disorder under eczema, characterized by itchy, red, dry and cracked skin. The mainstay of treatment currently is topical steroid, however, prolonged use may cause skin thinning, stretch marks, easy bruising, and the list goes on. Topical antibacterial products are also used to decrease the bacterial count.^[1]

Methodology

Our aim is to assess the efficiency of EZyMa™ non-steroidal hydrogel for atopic dermatitis in children, in terms of symptoms relief by conducting case studies using Patient-Oriented Eczema Measure (POEM)^[2] score.

Therapeutic Regimen

EZyMa™ non-steroidal hydrogel is used 2-3 times daily, together with moisturizer / emollient. It manages skin conditions due to eczema by three properties: 1) moisturizing effect, 2) anti-pruritic effect, and 3) antimicrobial effect.

Case Study 1

Patient A is a 5-year-old active boy, whose eczema is triggered by hot weather, causing sweating and beginning of itch-scratch cycle. In evaluation of EZyMa™ hydrogel, subject experienced symptoms relief after day 3 with (POEM) score reduction from 28 to 11.



Day 0

Day 3

Case Study 2

Patient B is a 6-year-old boy, who has history of allergy to eggs. After usage of EZyMa™ hydrogel, subject achieved relief of symptoms after day 7, whereby POEM score has reduced from 17 to 5.



Day 0

Day 7

Case Study 3

Patient C is a 7-year-old girl with chronic eczema complaining of pain and itchiness, with serous discharge, worsened after was given steroidal cream. The steroid cream was stopped immediately and changed with Gentamycin cream and EZyMa™ hydrogel. Symptoms subsided after 5 weeks of EZyMa™ hydrogel use with POEM score 28 to 4.



Before treatment



After steroid cream



After Gentamycin cream + EZyMa™ hydrogel for 5 weeks

Conclusion

EZyMa™ hydrogel has been successfully used on paediatric patients. Thrice-daily therapy with EZyMa™ hydrogel can provide symptoms relief thus control flares.

References

1. Ong PY, Leung DY. Immune dysregulation in atopic dermatitis. *Curr Allergy Asthma Rep.* 2006;6(5):384-389.
2. Charman CR, Venn AJ, Williams HC. The Patient Oriented Eczema Measure Development and Initial Validation of a New Tool for Measuring Atopic Eczema Severity From the Patients' Perspective. *Arch Dermatol.* 2004;140(12):1513-1519.