



MEDICAL THERAPIES AND PHARMACOLOGY

ORAL MAGNESIUM CHLORIDE: A NOVEL APPROACH IN THE MANAGEMENT OF HAILEY-HAILEY DISEASE.

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Background: Hailey-Hailey disease is a rare autosomal dominant acantholytic disorder clinically characterized by flaccid bullae and erosions in the intertriginous areas, mainly the axillary and inguinal region. The disease, which typically occurs between the second and fourth decades of life, usually around puberty, has a chronic fluctuating course with remissions and relapses triggered by friction, stress, sweating, heat, moisture, superinfection, ultraviolet radiation or tissue damage.

Observation: We report the clinical improvement in two patients with Hailey-Hailey disease, with daily intake of a solution containing magnesium chloride.

Key message: There is no specific therapy for the acantholysis. With the exception of antimicrobial agents for secondary infections, there is no strong evidence to support the use of any additional systemic therapies in HHD. Experimental investigations showing the effect of MgCl₂ on the function of Ca²⁺-extruder systems, resulting in increased cytosolic and mitochondrial Ca²⁺ levels, support this innovative treatment, that can be a novel tool in the management of patient with Hailey-Hailey disease.

