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Atopic eczema treatment now and in the future: Targeting the skin barrier and key immune mechanisms in human skin

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Abstract
The skin facilitates a number of key roles but its functioning can be impaired by disease. Atopic eczema is a chronic inflammatory disease where the skin barrier has become leaky, and inflammation occurs. It affects up to 20% of children and 3% of adults worldwide, manifesting as red itchy patches of skin with varying severity. This review aims to investigate the leaky skin barrier and immune mechanisms from the perspective of potential novel treatments. The complexity of atopic eczema as a disease is what makes it
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Common inflammatory skin disorders such as atopic dermatitis and psoriasis exhibit ... the epidermal stress response may improve the treatment of these disorders. ..... Gene targeting in mice has created animal models in which to study both the ... Future studies of the immune response to a barrier deficiency
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