Abstract

Congenital atrichia is a rare autosomal recessive disorder of hair development, characterized by complete loss of hair. In this study, we report the identification of a novel Frameshift mutation (c.164_165insT) leading to a frameshift and downstream premature termination codon in five Palestinian families of Arab origin.
The formation of a hair follicle involves a complex series of reciprocal interactions between the dermis and epidermis. These interactions are essential for the development of the follicle and the production of hair. The process begins with the formation of a hair plug in the epidermis, which serves as the initial site of hair development. An epidermal message is then passed to the dermis, stimulating the dermal cells to differentiate into the structures that will form the hair follicle and the surrounding skin. This reciprocal signaling is a critical aspect of follicle development, and disruptions in these interactions can lead to disorders such as atrichia congenita circumscripta.
Atrichia Congenita Circumscripta  =اﻠﻤﺘﺤدﺪ اﻠﺨﻠﻘﻲ ﻁَﺭَاﻠﻢ
densation of a cluster of mesenchymal cells that will eventually form the dermal papilla. The dermal papilla...
There are many forms of inherited alopecia or hair loss, showing extensive variation in age of onset, severity, and pattern of hair growth. In some cases, hair growth completely ceases, a new hair is never induced, and the result is a complete form of inherited alopecia.
Atrichia Congenita Circumscripta