

Treatment of epidermolysis bullosa with allogeneic human cultured queratinocytes [Bioingeniería de tejidos: Cultivo de queratinocitos humanos en el tratamiento de la epidermólisis bullosa]

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Background: Epidermolysis bullosa (EB) or "crystal skin" is a group of inherited disorders that affect the protein that forms the anchor between dermis and epidermis, producing blister injuries. Case report: We report a four years old boy with junctional EB and lesions in 80% of the body lasting 48 months. His right lower limb was treated with allogeneic human cultured queratinocytes during five weeks. After the treatment period, a re-epithelization of 90% of the intervened limb was observed. Its diameter increased from 23 to 27 cm, the wound assessment scale score decreased from 30 to 13 and the visual analogue pain assessment score decreased from eight to two. Therefore allogeneic human cultured queratinocytes are a novel therapeutic alternative for EB.

Cell culture techniques [MeSH]

Epidermolysis bullosa

Junctional [MeSH]

Keratinocytes [MeSH]

Tissue engineering [MeSH]

Wound and injuries [MeSH]