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Name of journal: World Journal of Stem Cells

ESPS Manuscript NO: 13548

Column: MINIREVIEWS

**Epidermal stem cells and skin tissue engineering in hair follicle regeneration**

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**Abstract**

The reconstitution of a fully organized and functional hair follicle from dissociated cells propagated under defined tissue culture conditions is a challenge still pending in tissue engineering. The loss of hair follicles caused by injuries or pathologies such as alopecia not only affects the patients' psychological well-being, but also endangers certain inherent functions of the skin. It is then of great interest to find different strategies aiming to regenerate or neogenerate the hair follicle under conditions proper of an adult individual. Based upon current knowledge on

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