

Roles of Stem Cells in the Repair of Skin Lesions Caused by the Bacterium Staphylococcus Aureus

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ABSTRACT

now a day's usage of stem cell is main factor for repairing in the medical field; researchers have special consideration on this aspect.

Stem cells are able for self-renewing and differentiate to different types of cell lines. This is an attractive subject in the field in cell biology and cell therapy. The main causes of infected wounds are from bacterium called staphylococcus aureus. The wound is yellowish color. Impetigo sores caused by the presence of these bacteria.

Researchers are trying to repair wounds affected by this bacteria. So in this study they are trying to evaluate role of stem cell in curing of skin lesions with presence of staphylococcus aureus bacterium.

Background: staphylococcus aureus is gram positive and selective anaerobic bacteria. Stem cells are able for self-renewing and differentiate to different types of cell lines. They can repair damaged tissue especially in skin lesions which is affected by staphylococcus aureus bacterium.

Discussion and result; as we know staphylococcus aureus can provide skin lesion. Stem cell biology is introducing new way of treatment for skin lesion caused by these bacteria (transferring of skin fibroblast cell to affected area).

Conclusion: Skin fibroblast cell can be used for repairing of wounds affected by staphylococcus aureus.

Keyword: Stem Cell, Skin Lesions, Staphylococcus Aureus