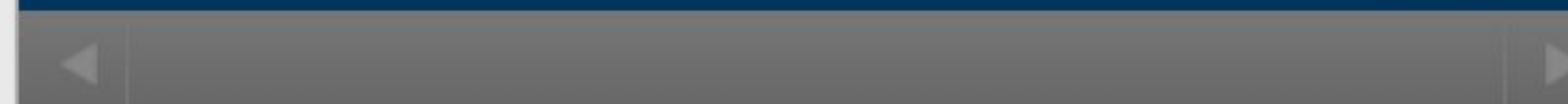


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Basic Study

Umbilical Cord Derived Mesenchymal Stem Cells Preconditioned with Isorhamnetin: Potential Therapy for Burn Wounds

Preconditioned MSCs and Wound Healing

Abstract

BACKGROUND

Impaired wound healing can be associated with different pathological states. Burn wounds are the most common and detrimental injuries that remain major health issue worldwide. Mesenchymal stem cells (MSCs) possess the ability to regenerate tissues by secreting factors involved in promoting cell migration, proliferation and differentiation, while suppressing immune reactions. Preconditioning of MSCs with small molecules

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The key step for severe **burn therapy** is to promote the wound healing as early as possible, and reports indicate that **mesenchymal stem cell** (MSC) **therapy** contributes to facilitate wound healing. In this study, we investigated effect of human **umbilical cord** MSCs (hUC-MSCs) could on wound healing in a rat model of severe **burn** and its **potential** ...

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Author: Lingying Liu, Yonghui Yu, Yusen Hou, Jiake ...

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