

## **Bone marrow mesenchymal stem cell aggregate: an optimal cell therapy for full-layer cutaneous wound vascularization and regeneration**

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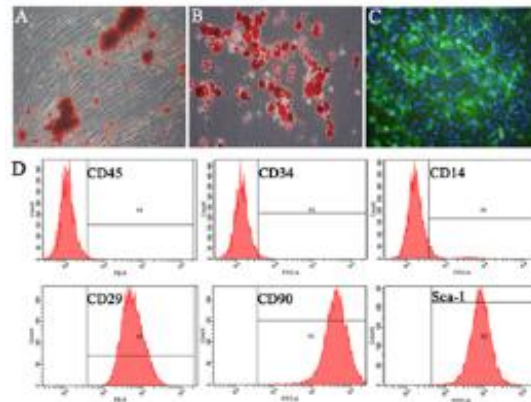
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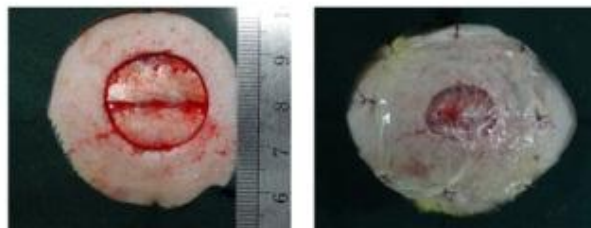
<sup>1</sup> *Shared first co-authorship as three authors contributed equally to this work.*

Supplementary figures:



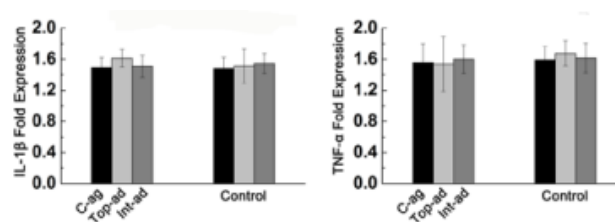
Supplementary Fig. 1

**Supplementary Fig. 1:** Isolation and identification of GFP<sup>+</sup>BMMSC.



Supplementary Fig. 2

**Supplementary Fig. 2:** A 2cm diameter full thickness cutaneous wound was made on the top half of the rat back right across the midline of dorsum. A monolayer air permeating wound dressing (Tegaderm film1624, 3M, USA) was applied on SIS membrane after transplantation.



Supplementary Fig. 2

**Supplementary Fig. 3:** Expression of inflammatory cytokine IL-1 $\beta$  and TNF- $\alpha$  was similar among groups at 1-week post-operation.