

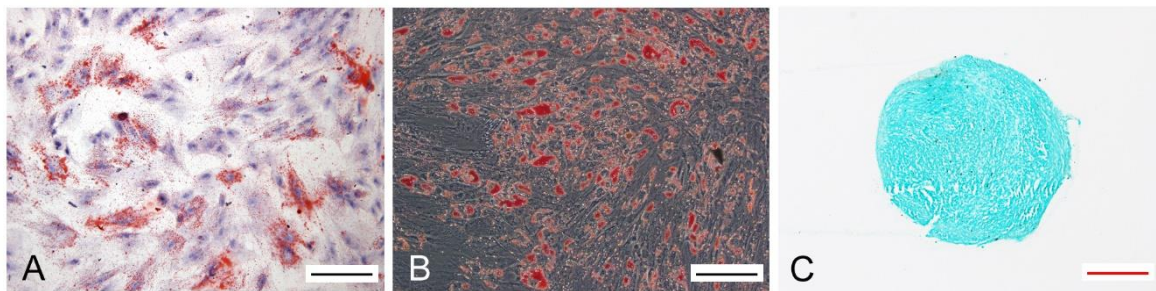
1 **Supplementary Materials**

2 Supplementary Table 1. Primer sequences used in RT-qPCR.

Primer name	Primer sequence
IL-1 β F	5'-AATGCCACCTTTTGACAGTGATG-3'
IL-1 β R	5'-ATGTGCTGCTGCGAGATTTG-3'
IL-6 F	5'-CCCTCACACTCAGATCATCTTCT-3'
IL-6 R	5'-GCTACGACGTGGGCTACAG-3'
IL-10 F	5'-GCTCTTACTGACTGGCATGAG-3'
IL-10 R	5'-CGCAGCTCTAGGAGCATGTG-3'
TNF- α F	5'-CGGGCAGGTCTACTTTGGAG-3'
TNF- α R	5'-ACCCTGAGCCATAATCCCCT-3'
GAPDH F	5'-GGACACTGAGCAAGAGAGGC-3'
GAPDH R	5'-TTATGGGGGTCTGGGATGGA-3'

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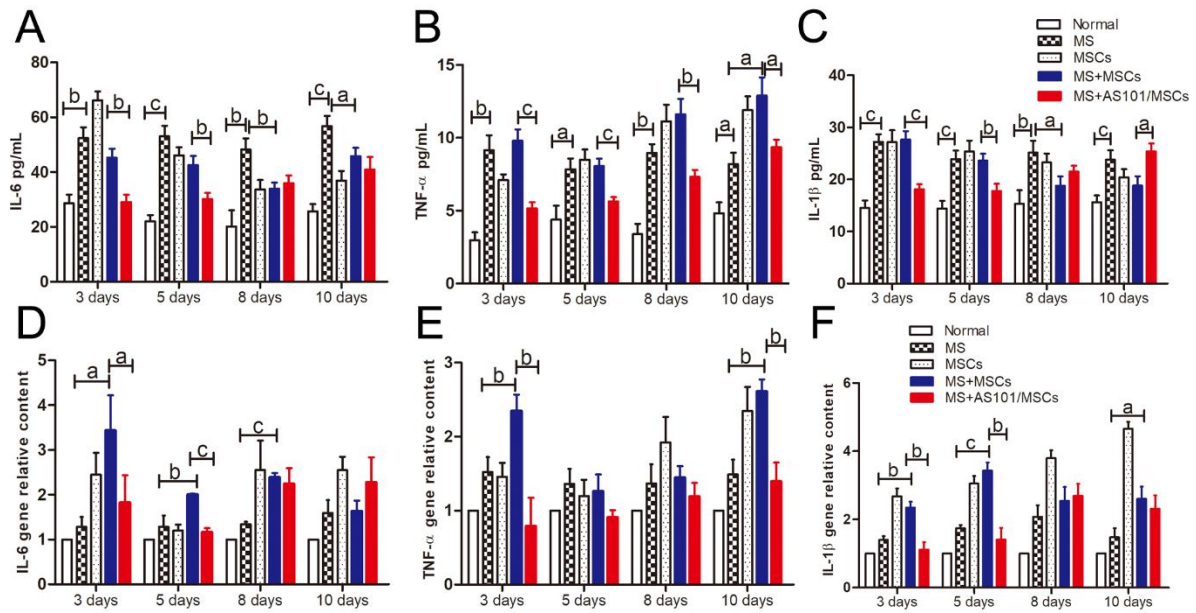
6 *Supplementary 2. Supplementary Figure 1: pleiotropic differentiation ability of primary UC-*

7 *MSCs. A: Alizarin red. B: Oil Red O staining. C: Alcian blue stain. (black bar, 50 μ m; red bar,*

8 *100 μ m).*

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12 *Supplementary 3. Supplementary Figure 2: levels of inflammatory cytokines in the three groups.*

13 (A-C) Levels of IL-1β, IL-6, and TNF-α in the peripheral blood of the three groups (^a*P* < 0.05;

14 ^b*P* < 0.01; ^c*P* < 0.001; n = 8). (D-F) Relative *Il1β*, *Il6*, and *Tnfa* mRNA levels (normalized to

15 mouse *Gapdh*) in the petrous part of temporal bone tissues of mice at four time periods (^a*P* <

16 0.05; ^b*P* < 0.01; ^c*P* < 0.001; n = 3).

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