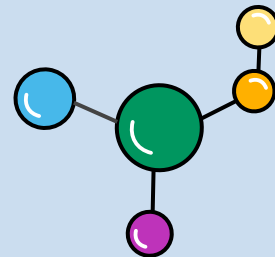
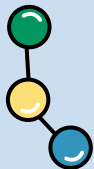


Mesenchymal Stem cell Loaded Thermosensitive Hydrogel Wound Dressings in Wound Healing





Wound Healing





Rules of dressings in Wound Healing

protective
physical barrier

Moisture
Management

Absorb wound
exudate

Prevent bacterial
infection

Promote tissue
regeneration

anti-inflammatory
properties

Enhance
angiogenesis and
collagen synthesis

Therapeutic
agents delivery

pressure
redistribution

Pain Reduction
and Comfort

Temperature
Regulation

Hydrogels in Wound Care

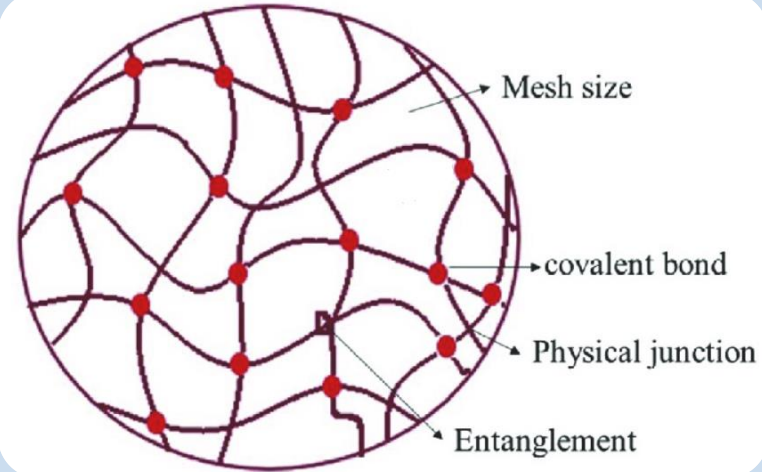
High water content

Biocompatibility

Flexibility and conformability

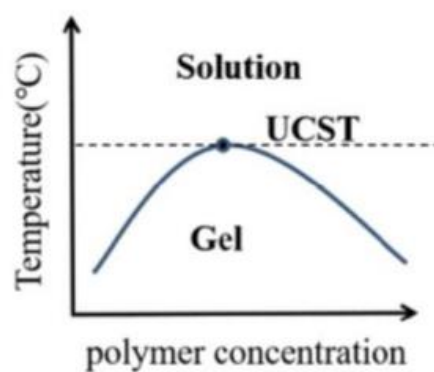
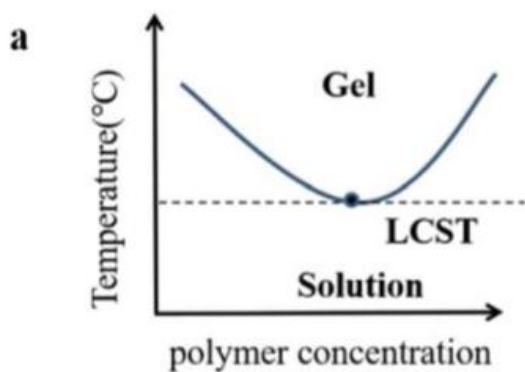
thermosensitivity

Controlled release of therapeutics

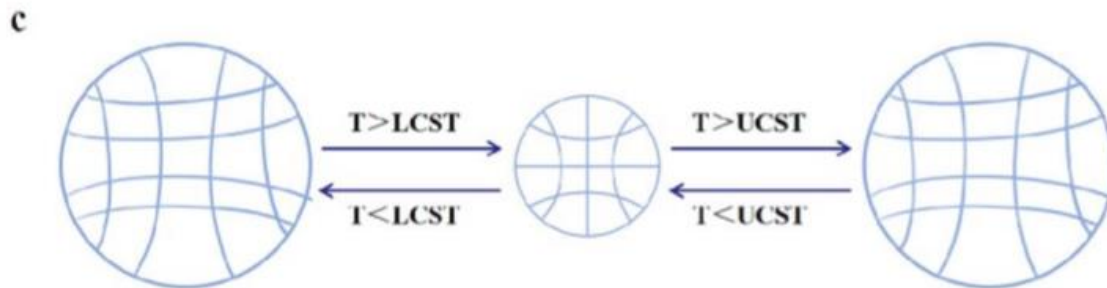


Thermosensitive Hydrogels

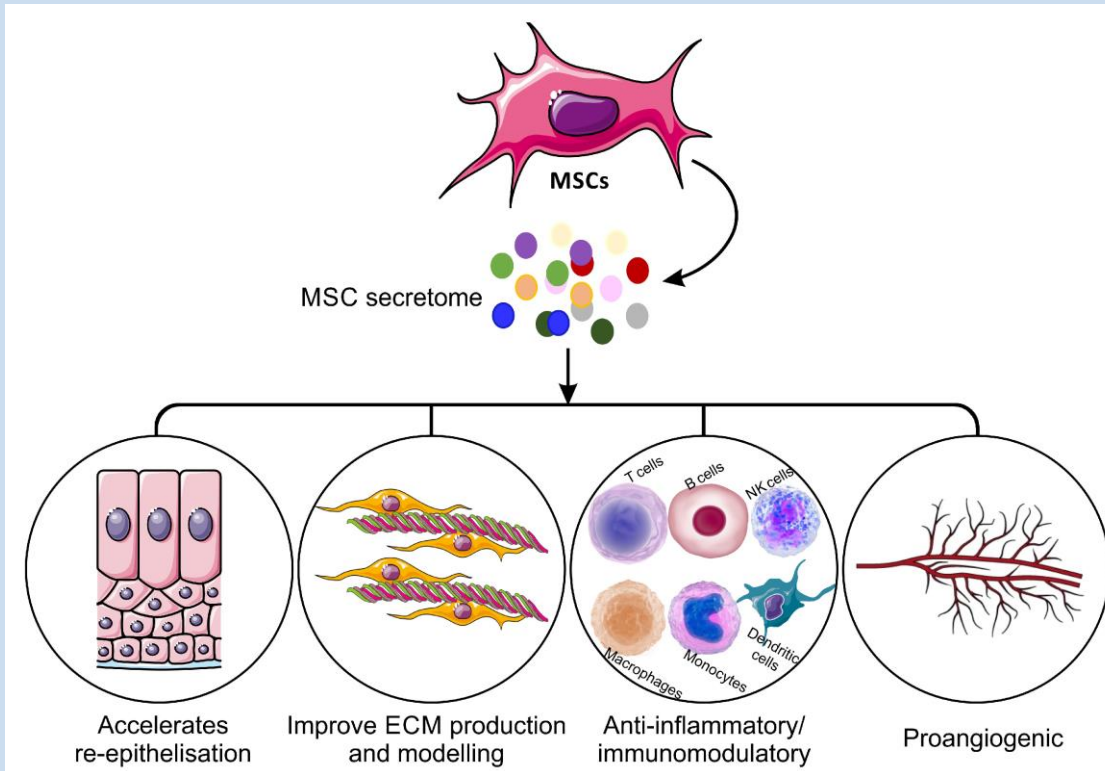
Thermal
shrinkable



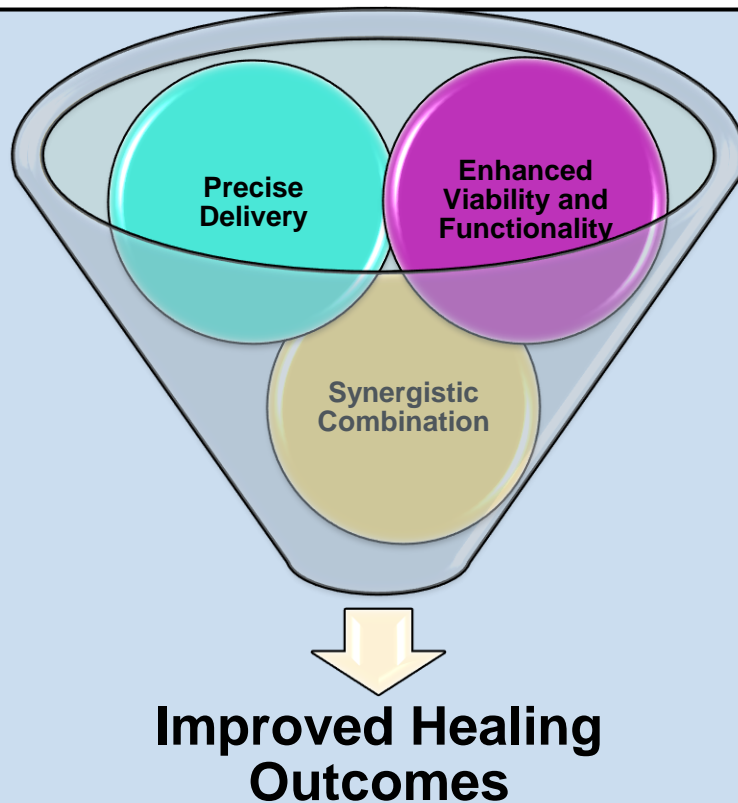
Thermal
expandable



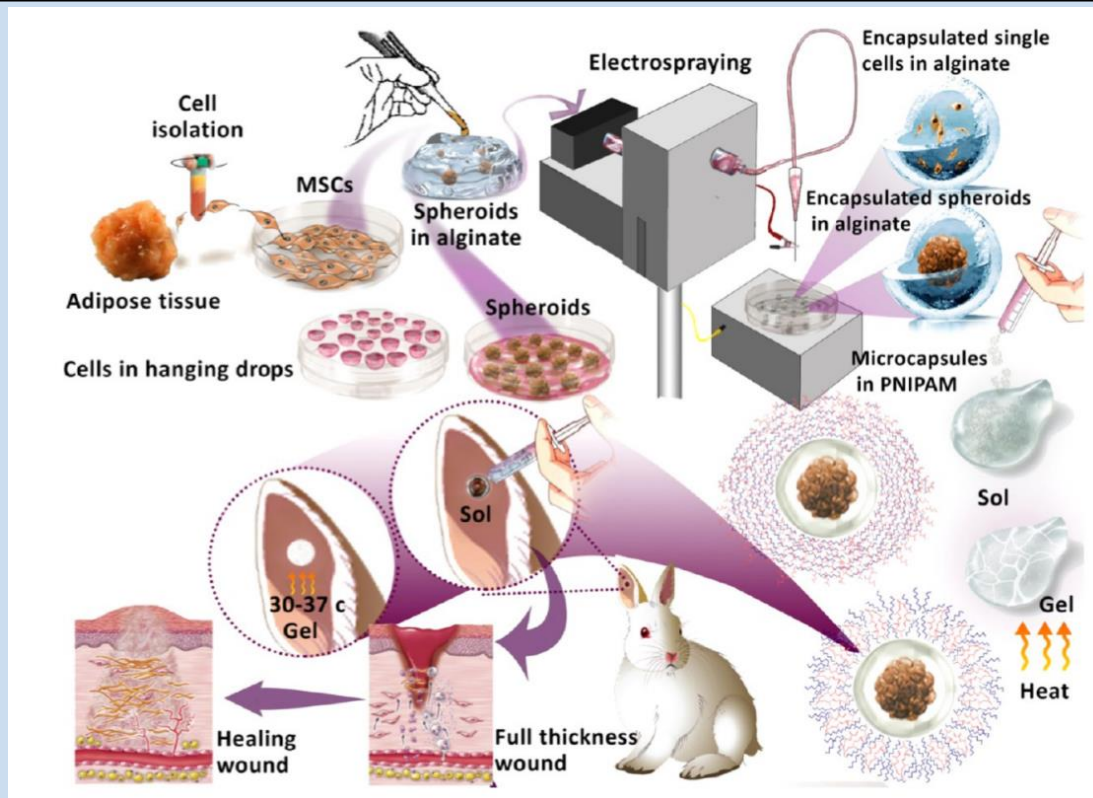
Mesenchymal Stem Cell in Wound Healing



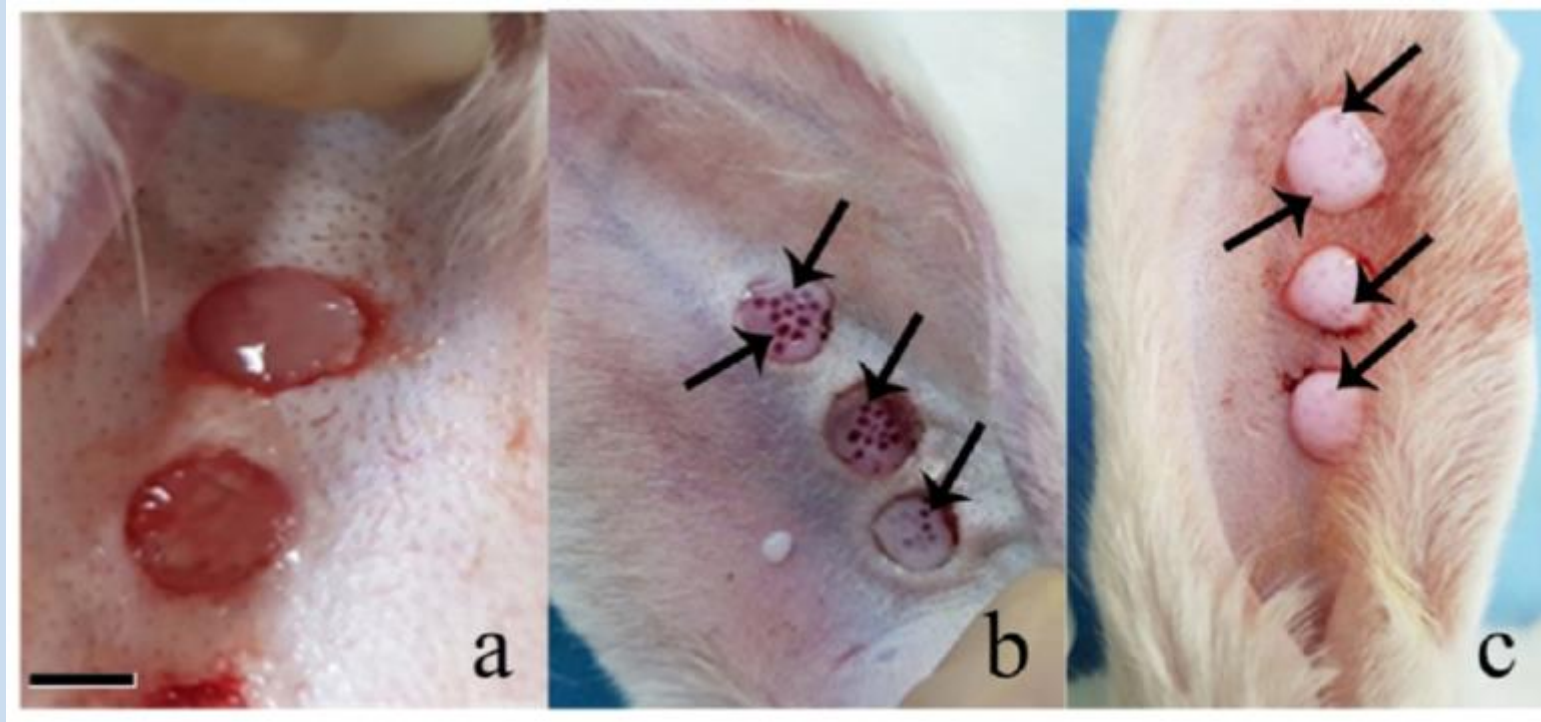
Integration of Stem Cells with Thermosensitive Hydrogels



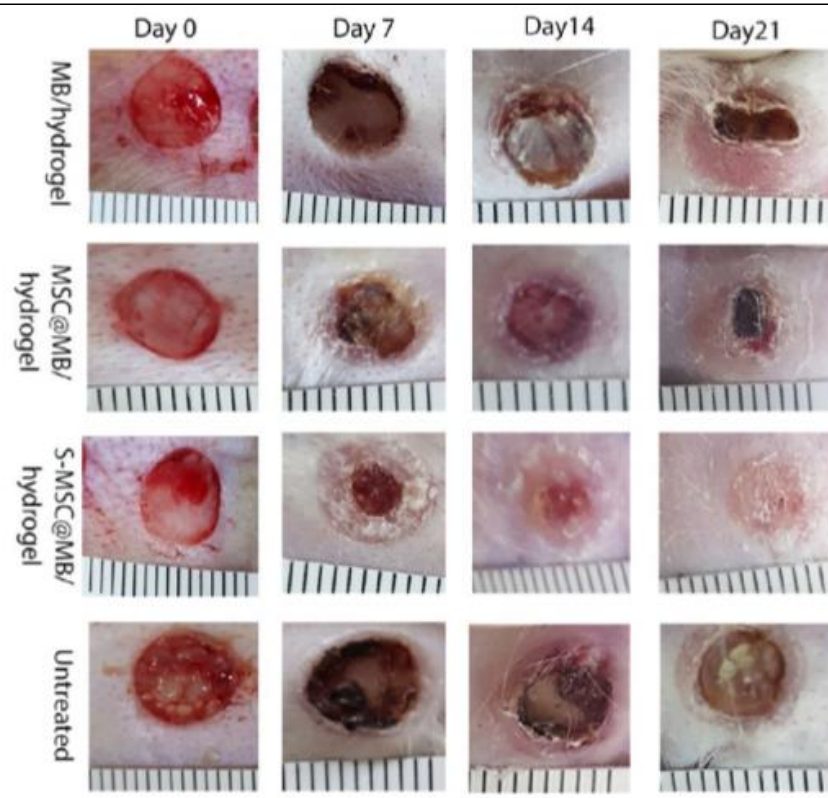
Case study No.1



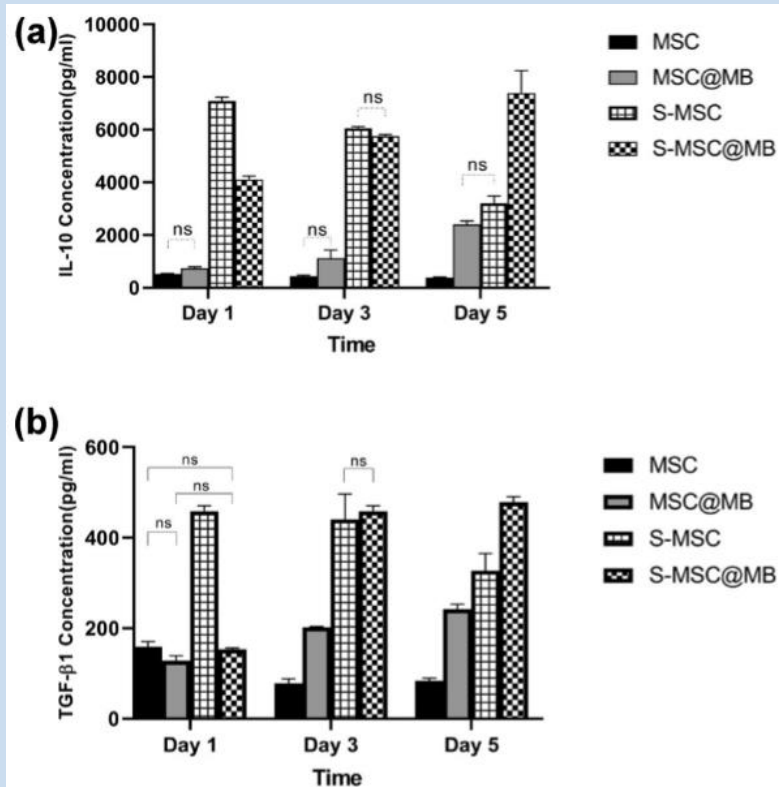
Case study No.1



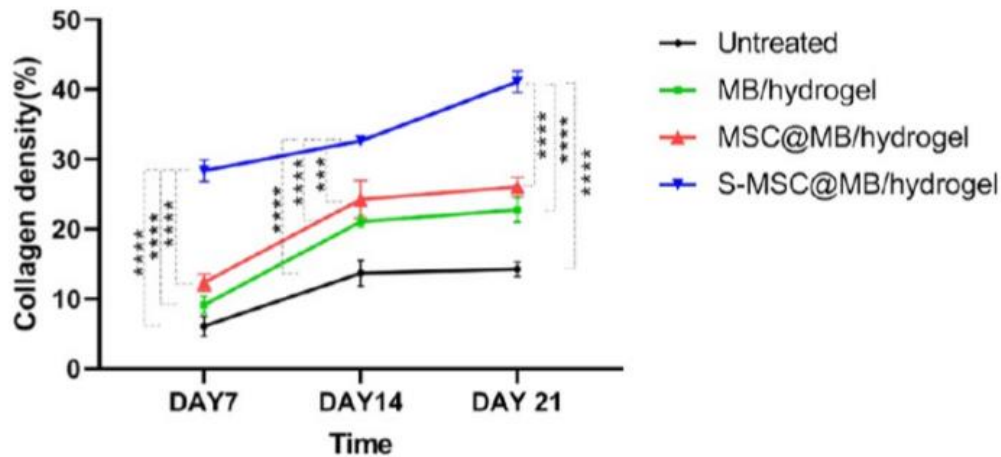
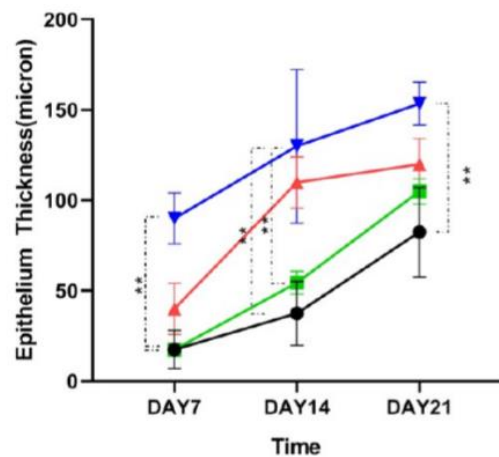
Case study No.1



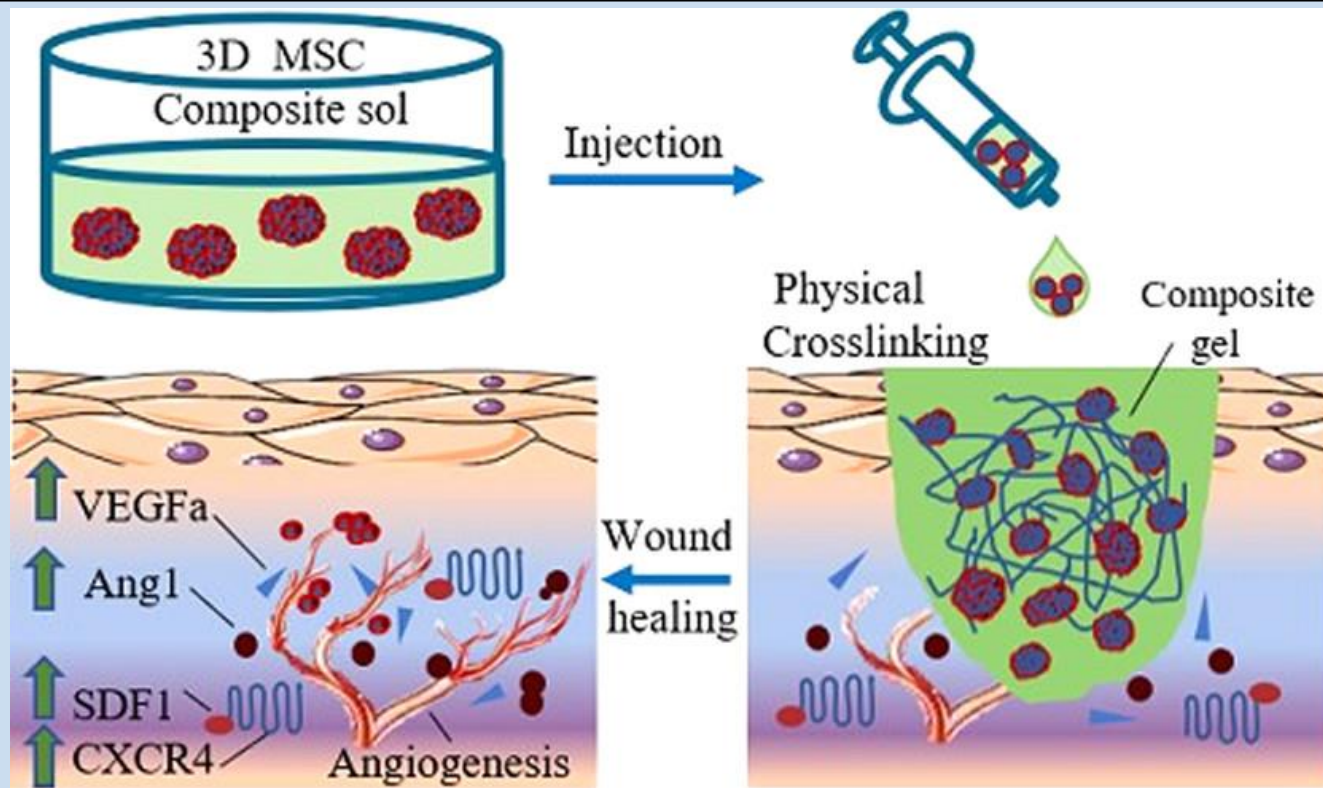
Case study No.1



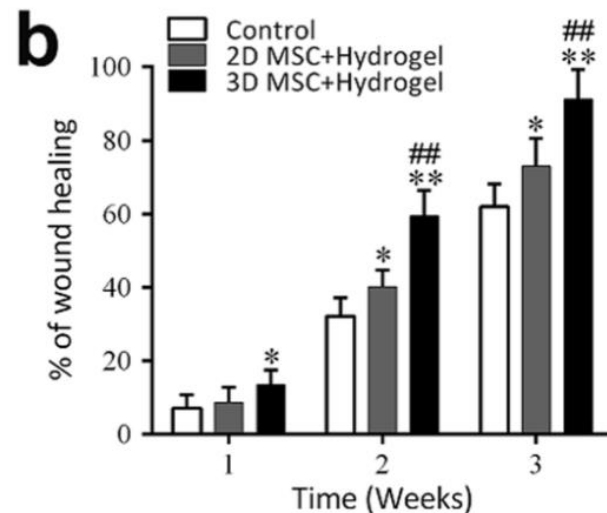
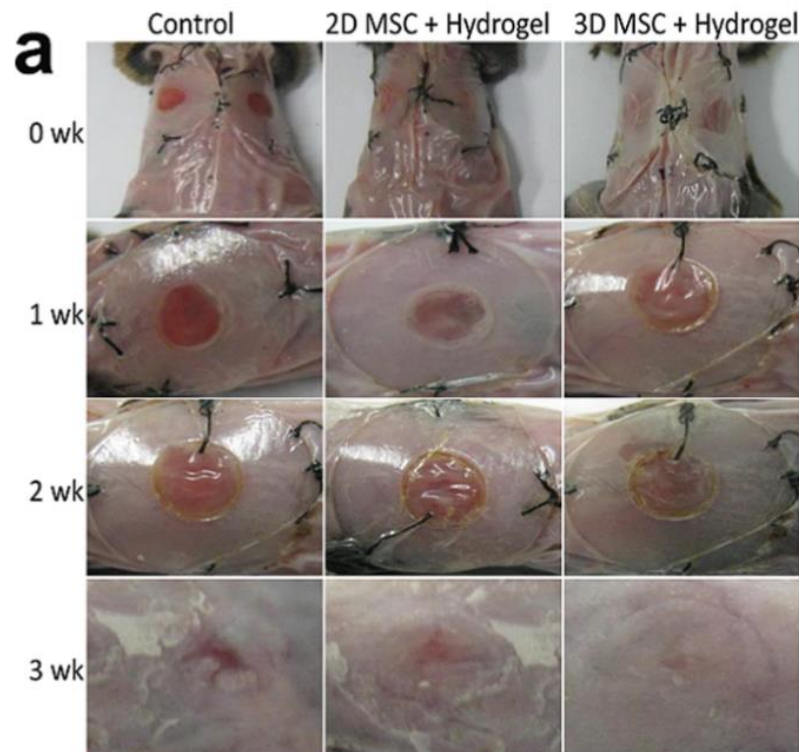
Case study No.1



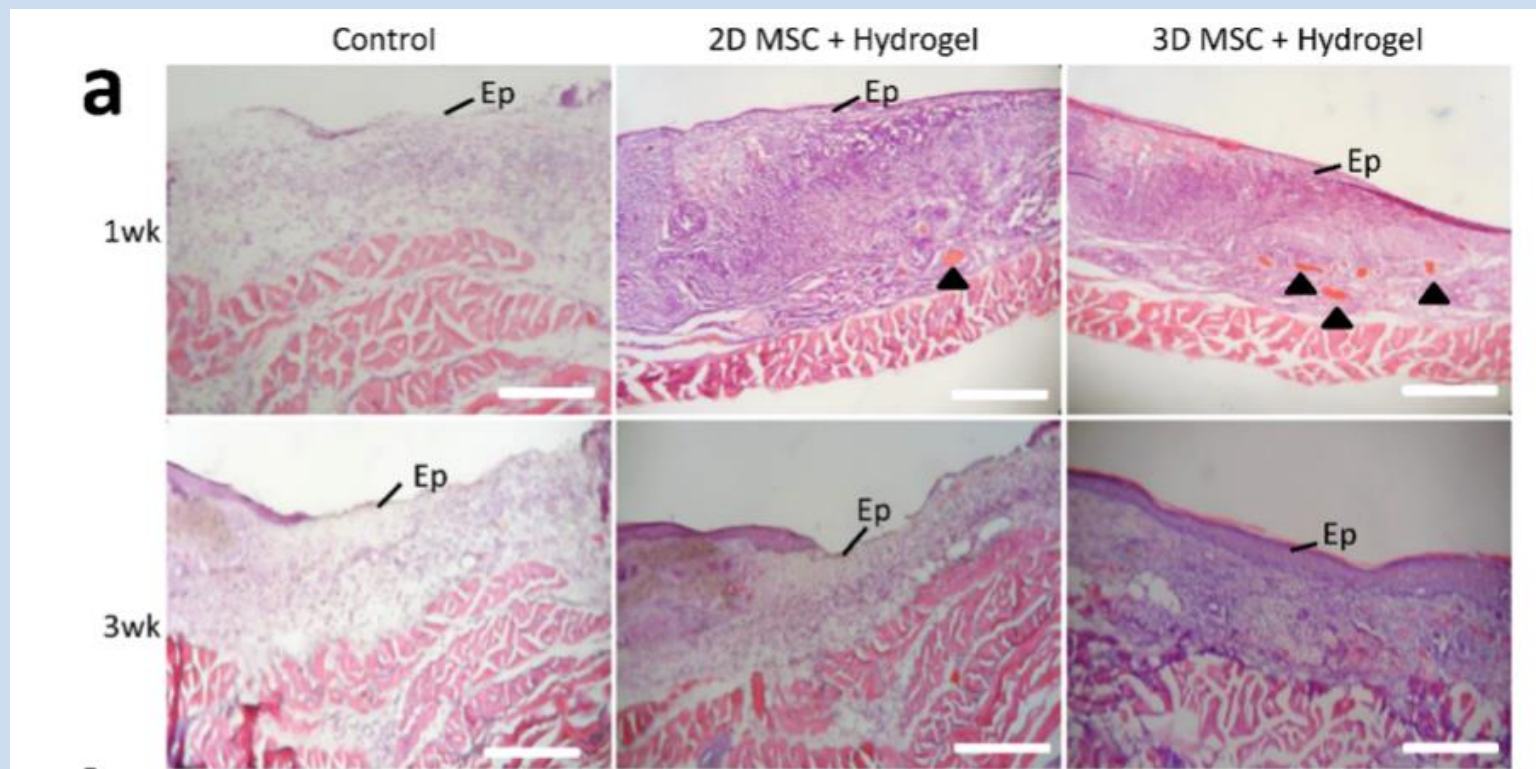
Case study No.2



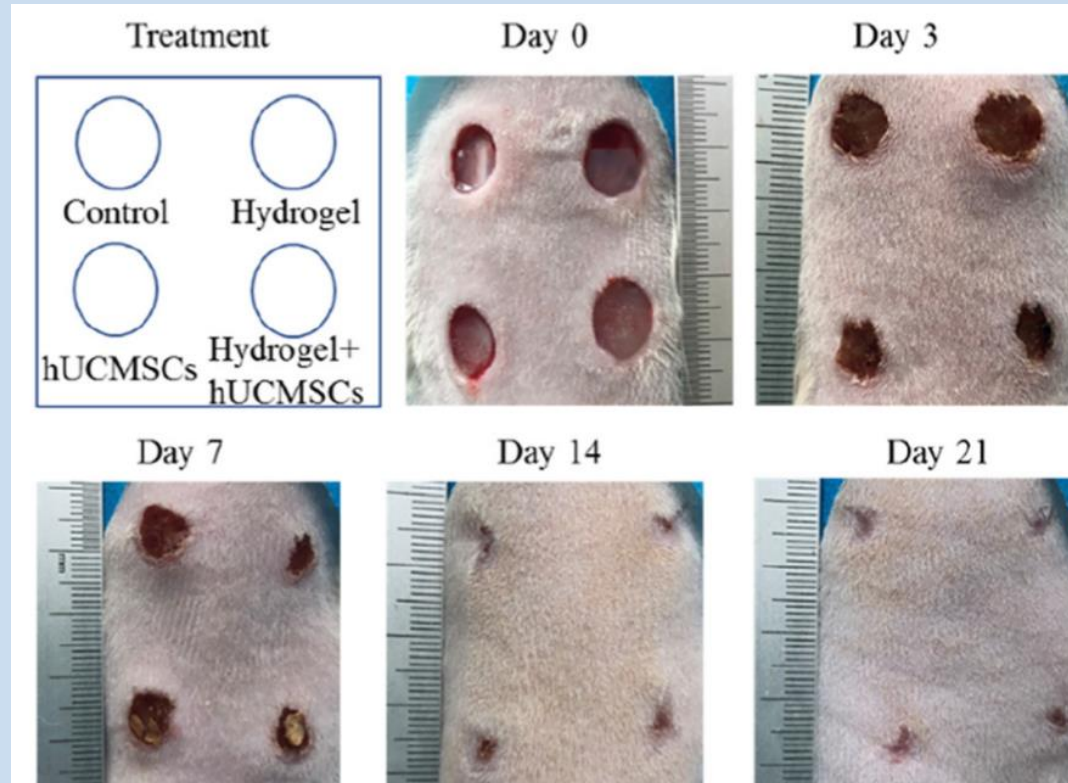
Thermosensitive Injectable Chitosan/Collagen/ β -Glycerophosphate Composite Hydrogels for Enhancing Wound Healing by Encapsulating Mesenchymal Stem Cell Spheroids



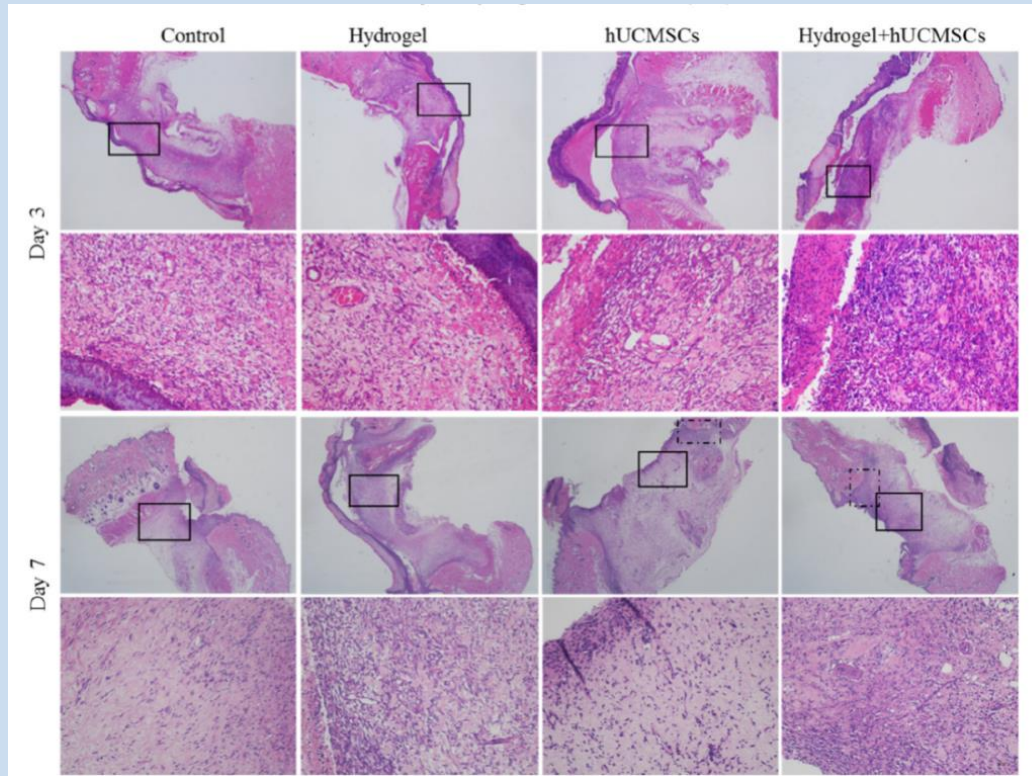
Case study No.2



Case study No.3



Case study No.3





**Thanks for
your
attention**