

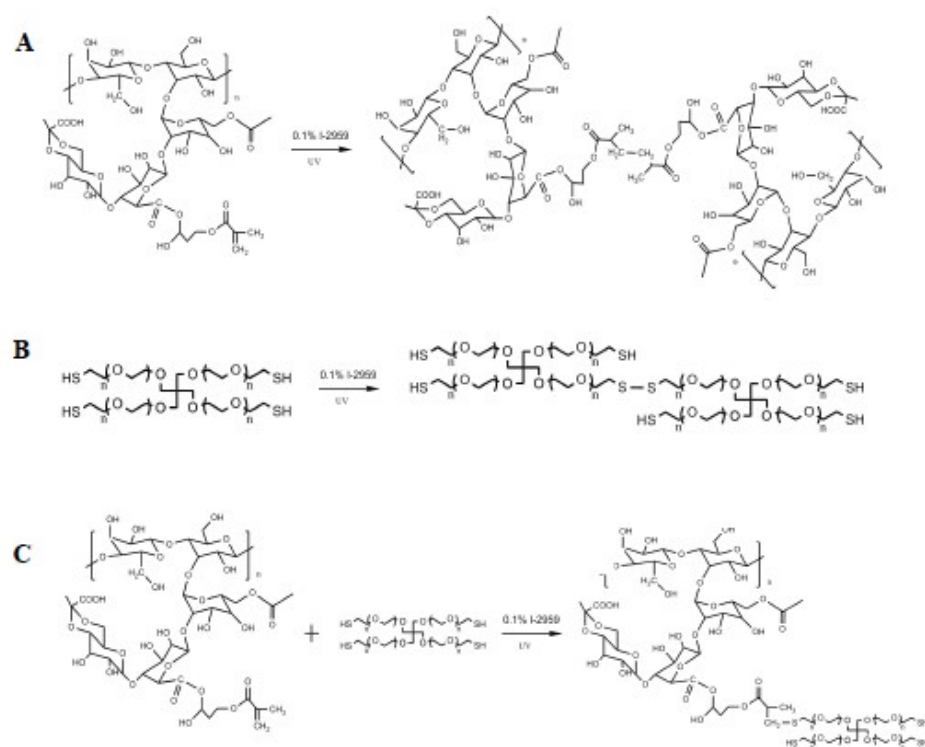


Figure S1. Chemical reactions of hydrogel formation, related to Figure 1A.

(A) Synthesis of XG hydrogel.

(B) Synthesis of TPEG hydrogel.

(C) An additional click response was found between XG hydrogel and TPEG hydrogel during the interpenetrating process.

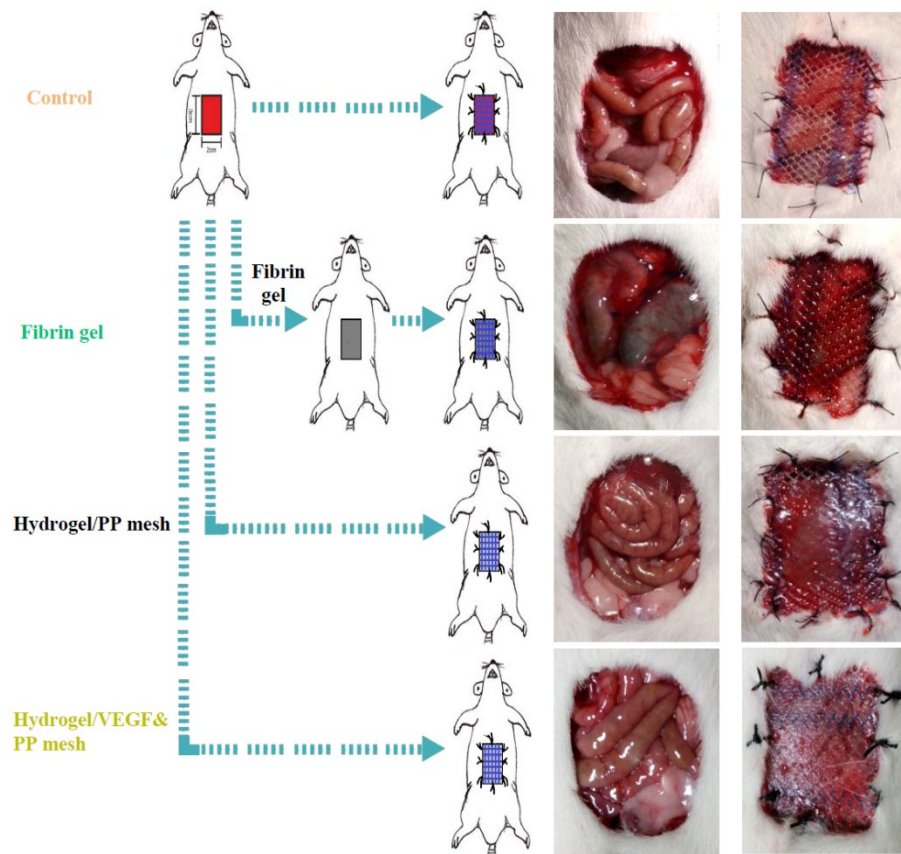


Figure S2. Schematic diagram of open abdomen model and different intervention approaches, related to Figure 7.

Primer name	Sequence5'-3'	Product length (bp)
IL-6-F	AGAGACTTCCAGCCAGTTGC	140
IL-6-R	CCTCCGACTTGTGAAGTGGT	
IL-1 β -F	TGTGATGAAAGACGGCACAC	125
IL-1 β -R	CTTCTTCTTTGGGTATTGTTTGG	
TNF-a-F	AGACCCTCACACTCAGATCATCTTC	100
TNF-a -R	CTCCGCTTGGTGGTTTGCTA	
IL-4-F	CCTTGCTGTCACCCTTTCTG	181
IL-4-R	CTCGTTCTCCGTTGGTGTTCCT	
IL-10-F	GCAAAGAGAACGCGTGGAAC	80
IL-10-R	GTTCCGGTCGGAATAGGTCGG	
TGF- β -F	TGAGTGGCTGTCTTTTGACG	116
TGF- β -R	TGGGACTGATCCCATTGATT	
bFGF-F	AAGCAGAAGAGAGAGGAGTTG	132
bFGF-R	CGGTAAGTGTTGTAGTTATTCG	
MCP-1-F	CACGTCGTAGCAAACCACCAA	113
MCP-1-R	GTTGGTTGTCTTTGAGATCCAT	
ACTIN-F	AAGTGCGACGTGGACATCCG	98
ACTIN-R	GGGCGGTGATCTCCTTCTGC	

Table S1. Primer sequences of cytokines for qPCR detection designed by Primer Premier 5.0 software, related to Figure 8.