

Supporting Information

GelMA/Tannic acid Hydrogel Decorated Polypropylene Mesh Facilitating Regeneration of Abdominal Wall Defects

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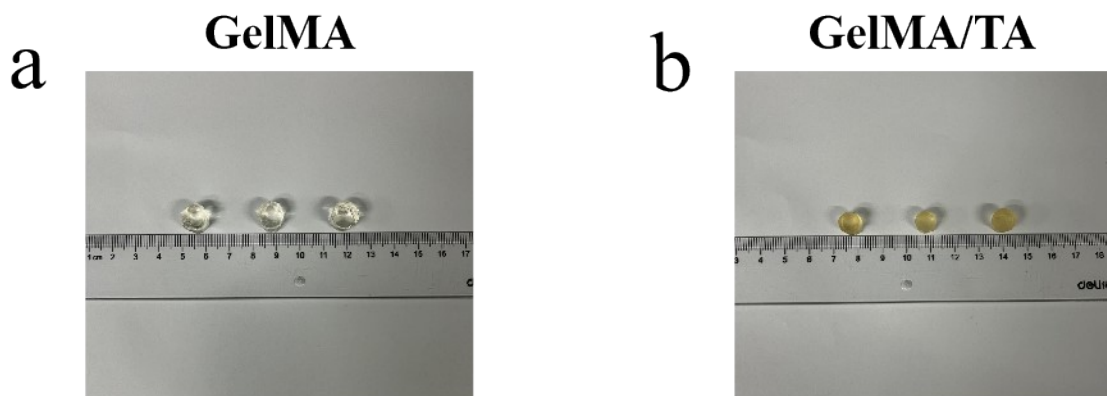


Figure S1. The representative morphological changes from pristine GelMA hydrogels (a) to GelMA/TA (b) after a 24 h incubation in 30%TA solution.

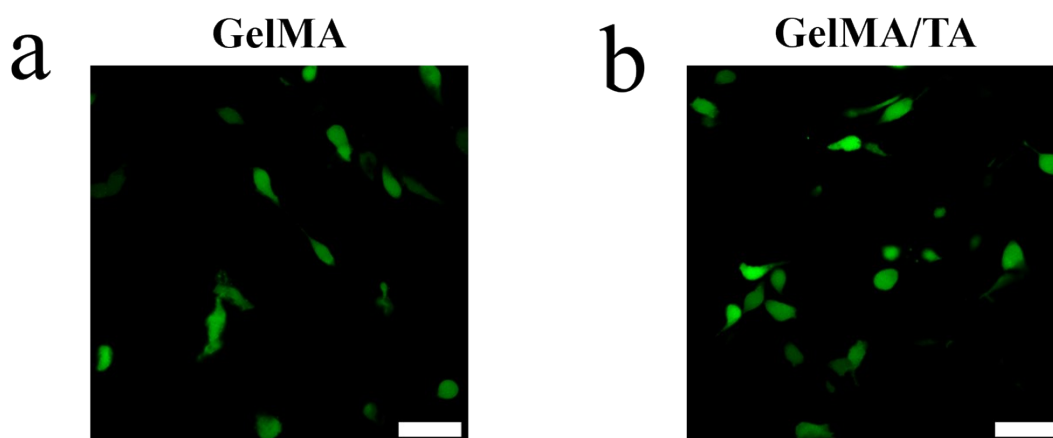


Figure S2. Cell-adhesion behaviors of hydrogel mesh. Fluorescence images of L929 fibroblasts cultured on PPM/GelMA surface (a) and PPM/GelMA/TA surface (b) for 48 h. Scale bars: 50 μm.

Table S1. The primers used for the RT-PCR amplification

iNOS-F	CCTGCTTTGTGCGAAGTGTC
iNOS-R	CCCAAACACCAAGCTCATGC
Arg-1-F	ACATTGGCTTGCGAGACGTA
Arg-1-R	ATCACCTTGCCAATCCCCAG
CD206-F	GTGGGGACCTGGCAAGTATCCAC
CD206-R	CACTGGGGTTCCATCACTCC
CD86-F	CTTACGGAAGCACCCACGAT
CD86-R	CGGCAGATATGCAGTCCCAT
Actin-F	GGCTGTATTCCCCTCCATCG
Actin-R	CCAGTTGGTAACAATGCCATGT

Table S2. Clinical adhesion scoring criteria

Criteria ^a	Adhesion extent ^b	Adhesion type	Adhesion tenacity ^c
0	No Adhesion	No Adhesion	No Adhesion
1	0-25% coverage	Dense	Easily fall apart
2	25-50% coverage	Thick	Require traction
3	50-75% coverage	Presence of capillaries	Require sharp dissection
4	75-100% coverage	/	/

^a Clinical adhesion score consists of adhesion extent, adhesion type and adhesion tenacity.

^b The ratio of adhesion area to the total area of implant surface.

^c Force or surgical tools are required to detach the adhered tissues.