

3D bioprinting of a gradient stiffness gelatin-alginate hydrogel with adipose-derived stem cells for full-thickness skin regeneration

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Supplementary figures:

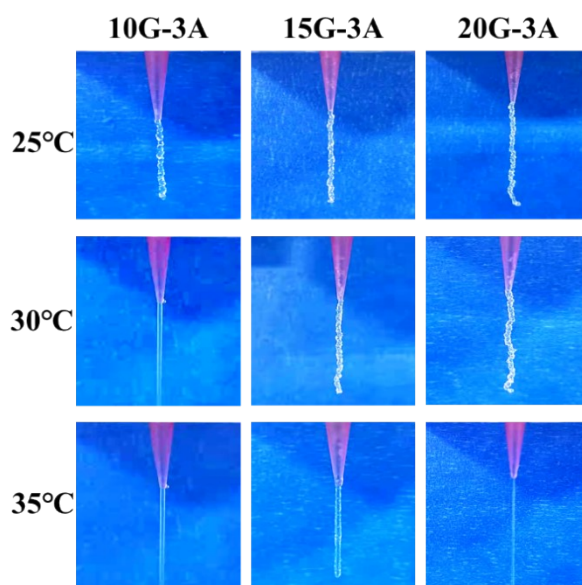


Figure S1. Representative images of bioprinted microfilaments with different concentration of GAH.

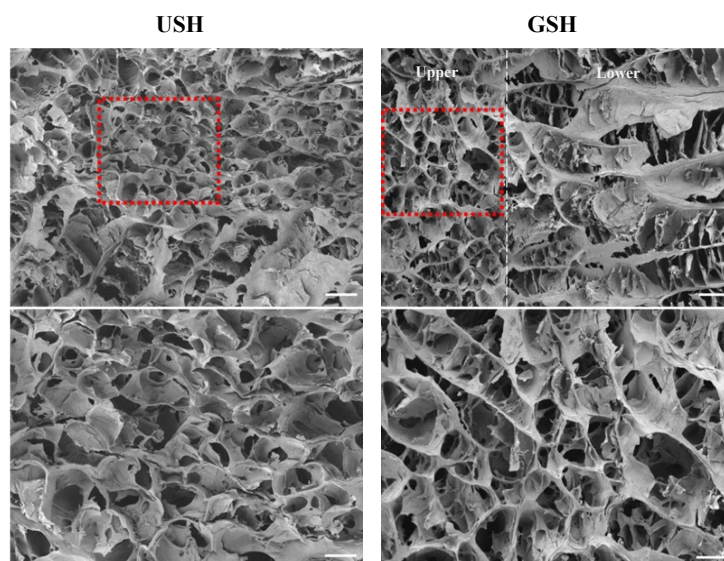


Figure S2. SEM images of 3D-USH and 3D-GSH with cross-sections.

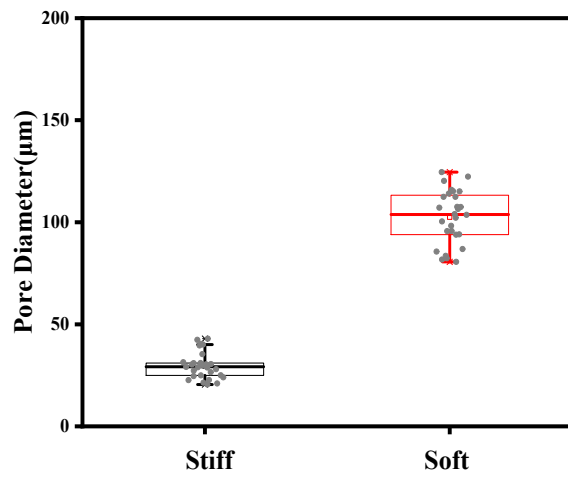


Figure S3. Pore size of 3D-GSH with cross-sections.

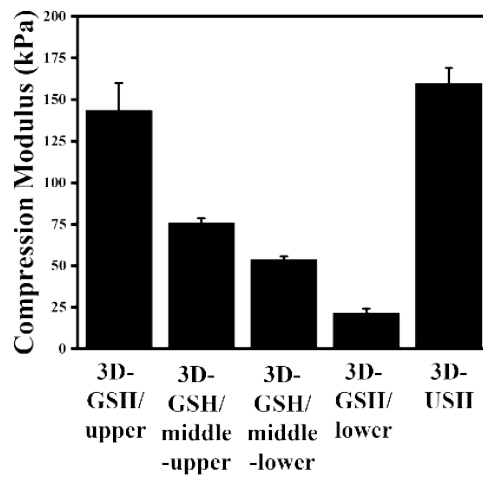


Figure S4. Compression modulus of 3D-GSH and 3D-USH.

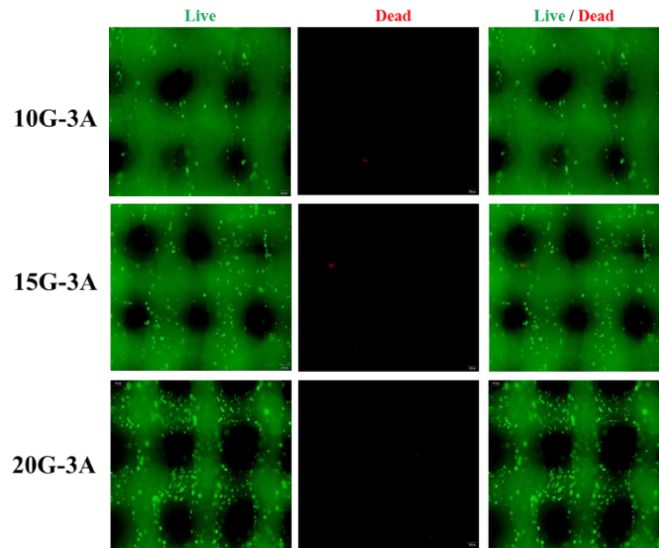


Figure S5. Biocompatibility of monolayer 3D-GAH with different alginate concentrations.

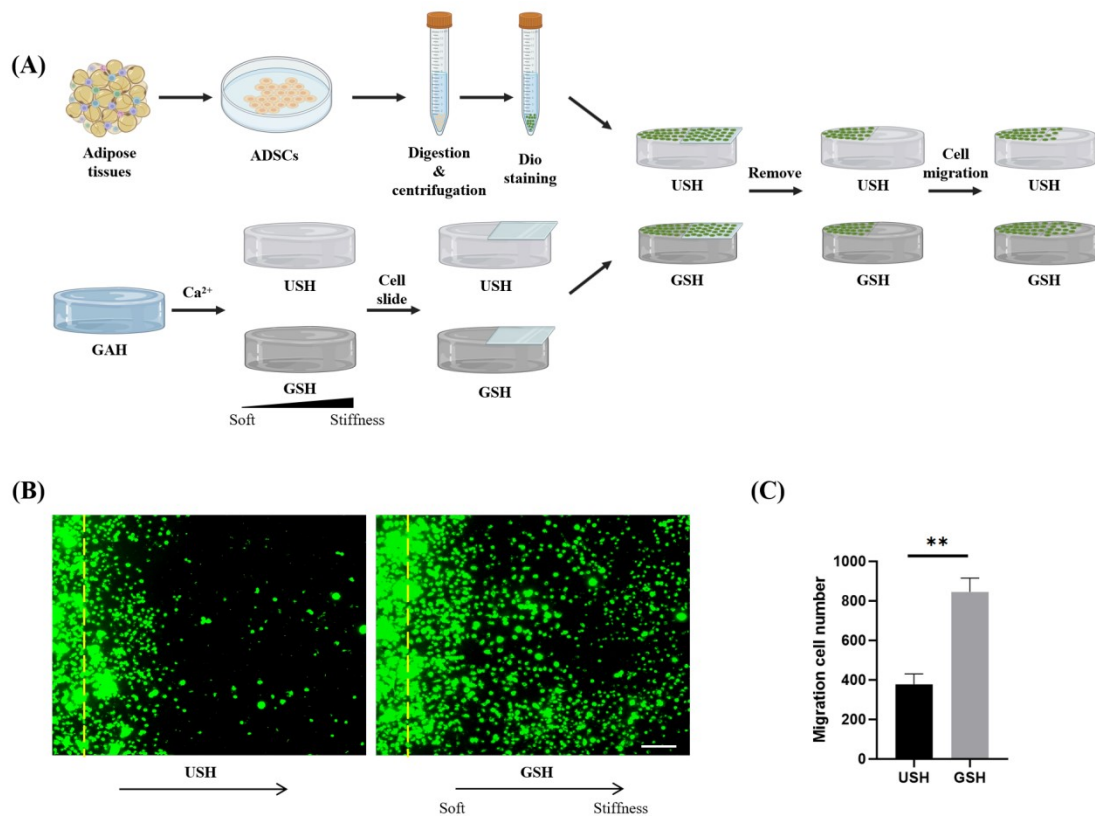


Figure S6. The stiffness gradient of GSH guided the migration of ADSCs from soft to stiffness regions. (A) Schematic diagram; (B) distribution of ADSCs in USH and GSH after 1 day of culture, the dotted line indicates the start site of ADSCs migration, scale bar = 100 μ m; (C) quantification of the number of migrated cells.