***Supplementary Materials***

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**Development and Application of a Crosslinked Gelatin Foam Dressing for Wound Recovery**

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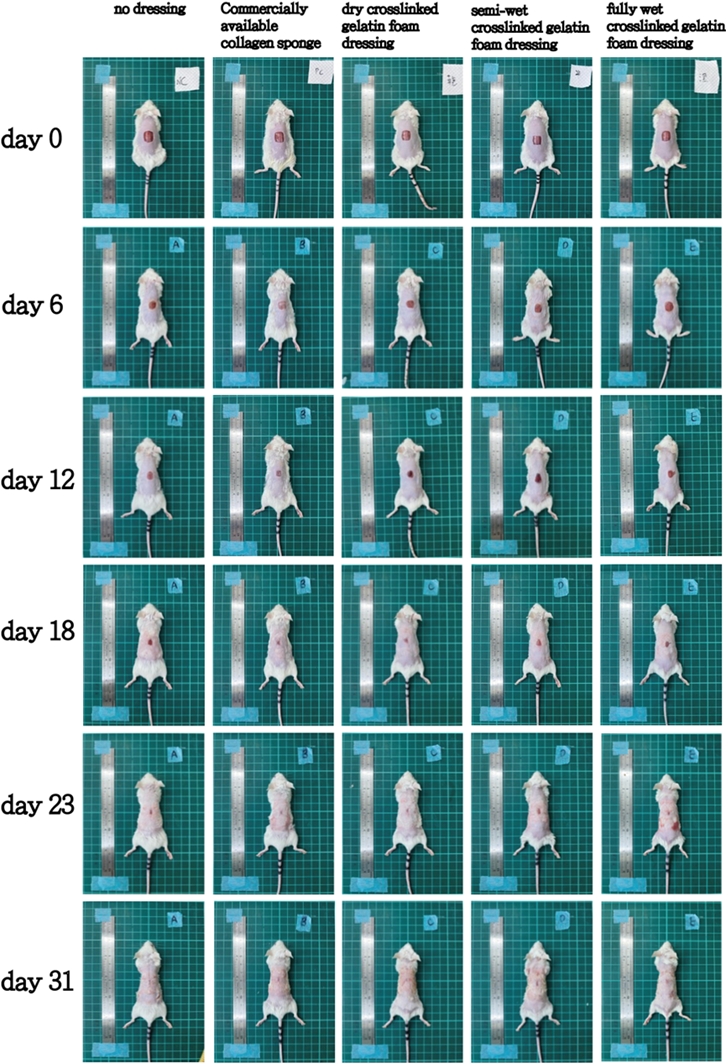
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**Figure S1.** The water absorption and degradation tests. (A) The crosslinked gelatin foam dressings were prepared at different glutaraldehyde (GTH) concentration (0.008, 0.017, 0.033, 0.067, 0.133 and 0.267%); (B) the experimental images of the crosslinked gelatin foam dressings after absorbing water; (C) the experimental images of the crosslinked gelatin foam dressings after absorbing phosphate buffered saline (PBS) and incubating at 37°C for 24 hours.



**Figure S2.** Gross images of wound healing process before (day 0) and after covered with transparent membrane (no dressing), commercially available collagen sponge, dry crosslinked gelatin foam dressing, semi-wet crosslinked gelatin foam dressing, and fully wet crosslinked gelatin foam dressing on days 6, 12, 18, 23 and 31.

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**Figure S3.** Viability (A) and morphology (B) of Hs68 cells after 24 h of exposure to 0%, 25%, 50%, or 100% gelatin foam dressing medium. \*\**P*<0.01, \*\*\**P*<0.001.

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**Figure S4.** Viability (A) and morphology (B) of CG1519 cells after 24 h of exposure to 0%, 25%, 50%, or 100% gelatin foam dressing medium. \**P*<0.05, \*\*\**P*<0.001.