A Fungistatic Strategy Using an Injectable pH-Responsive CMCS-OHA-Lp/Lr Hydrogel for Vulvovaginal Candidiasis

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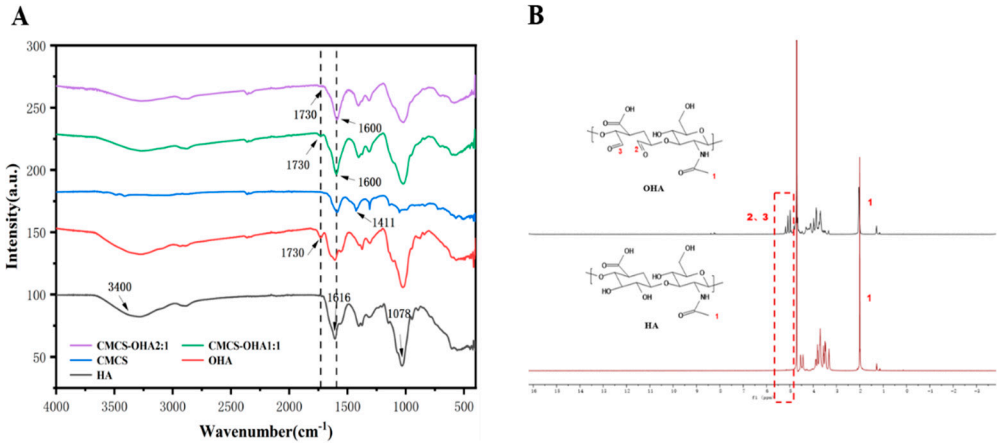


Figure S1. (A) HA, OHA, CMCS, and CMCS-OHA hydrogels FT-IR spectra. (B) HA and OHA ^{1}H-NMR spectra.

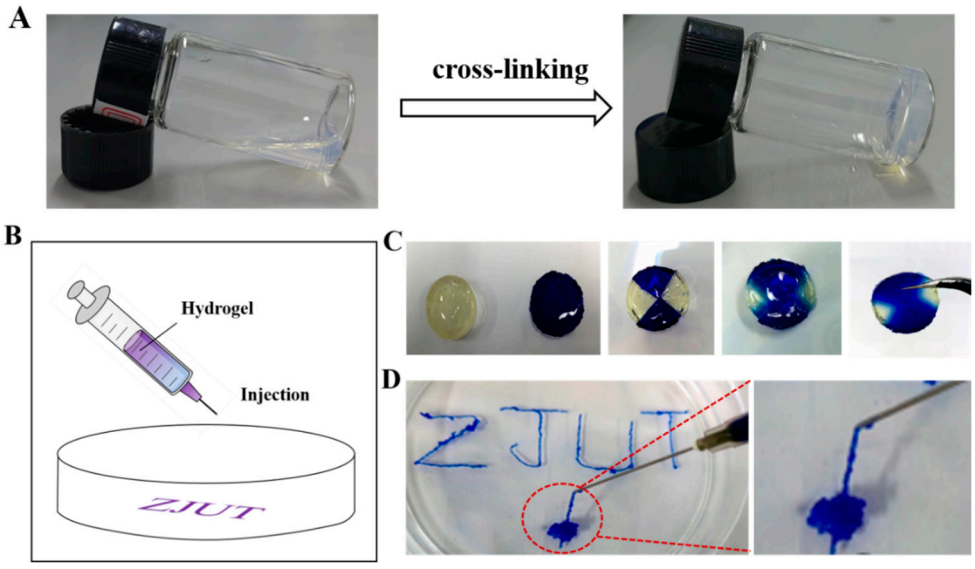


Figure S2. The injectable and self-healing properties of the CMCS-OHA hydrogel were characterized. (A) Sol-gel phase transition of CMCS-OHA (1:1) (B) and (C) Schematic diagrams illustrating injectivity. (C) Diagram depicting self-healing properties

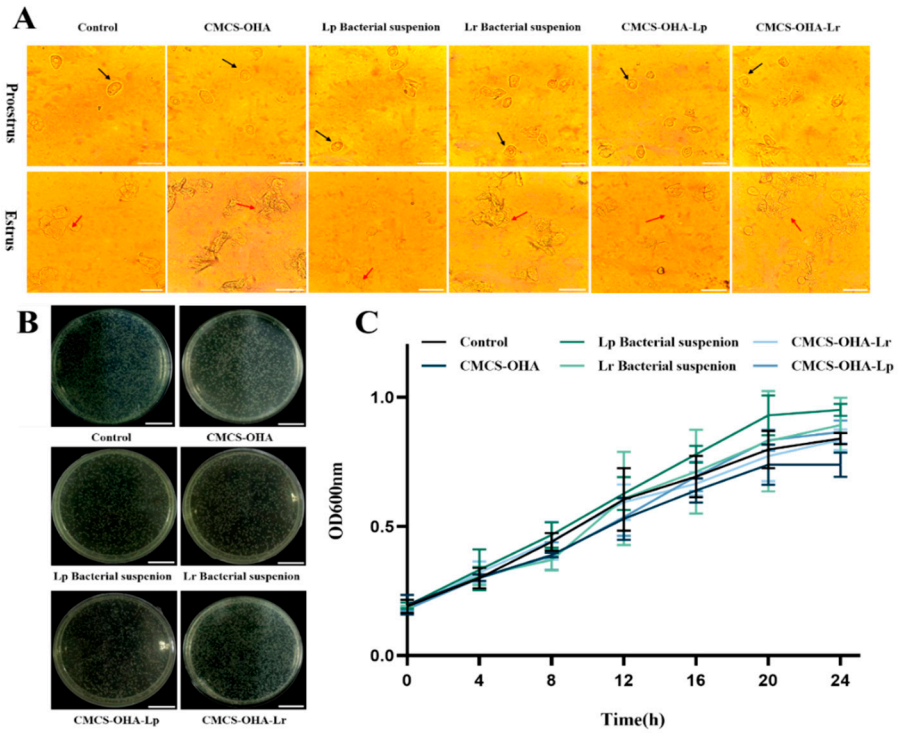


Figure S3. Successful Construction and Characterization of the Rat VVC Model. (A) Morphology of vaginal epithelial cells in Sprague-Dawley (SD) rats during different estrous cycles (scale bar: 20 μm). (B) Proliferation of *Candida albicans* colonies in the vaginal secretions of various groups of SD rats on agar plates (scale bar: 2 cm). (C) Proliferation curves of *Candida albicans* in the vaginal secretions of SD rats across different groups (n=6). The results represent the mean ± SD.

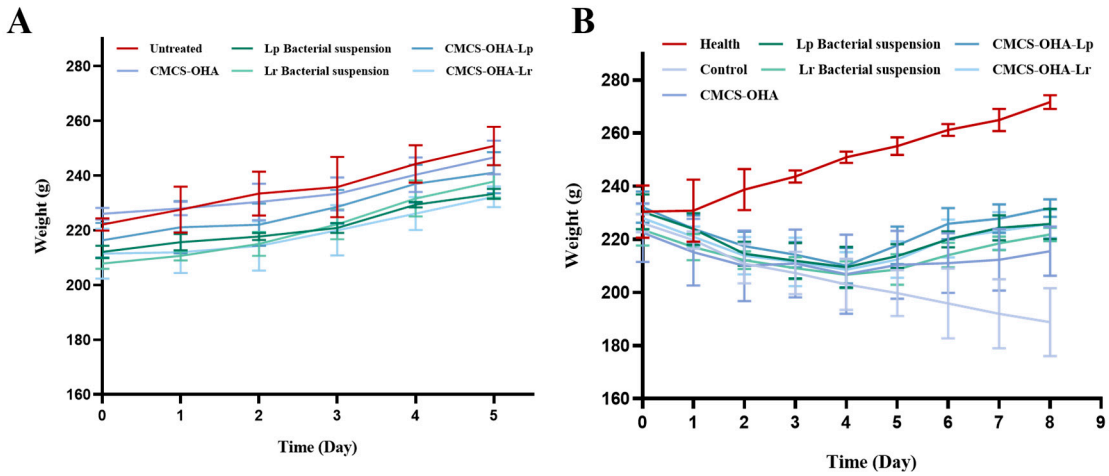


Figure S4. Changes of body weight of SD rats in each group (A) Curves depicting body weight changes of SD rats in each group during the administration period (n=6). (B) Body weight change curve of SD rats in each group throughout the entire experiment (n=6). The results represent the mean ± SD.