

Supporting Information

ROS-Scavenging Cu_xO Nanozyme-Functionalized Microneedle Patch for Androgenetic Alopecia Treatment

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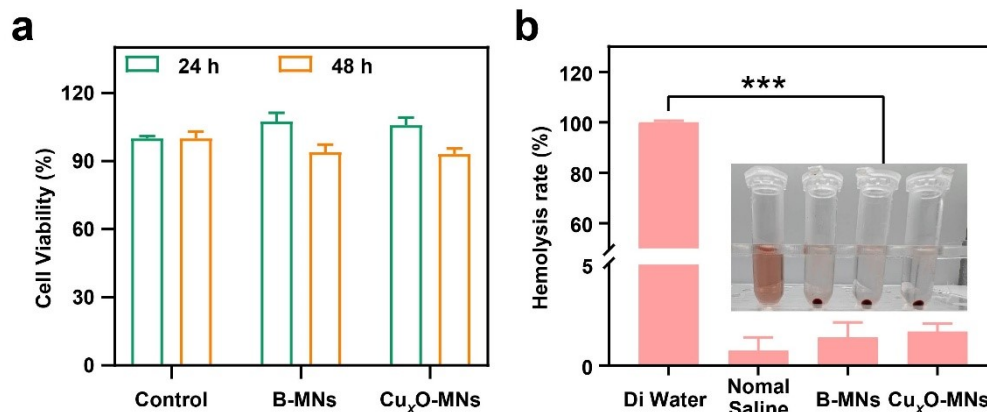
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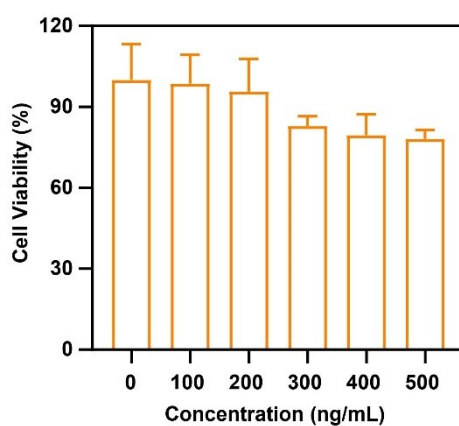
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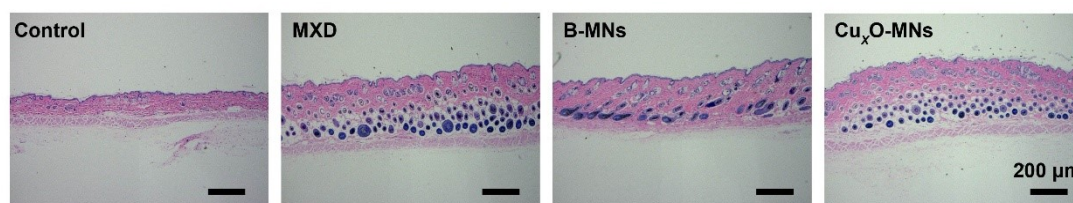
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19 **Figure S1.** Biocompatibility evaluation of microneedles. (a) Cell viability of B-MNs and Cu_xO-
20 MNs on DPCs. (b) Hemolysis evaluation of B-MNs and Cu_xO-MNs. ***P < 0.001.

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23 **Figure S2.** Cell viability of Cu_xO NPs on DPCs.

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26 **Figure S3.** HE staining on the back of mice in each group on day 28.

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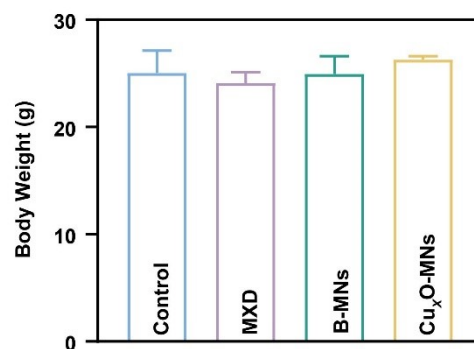


Figure S4. The body weight of mice from each group on day 28.

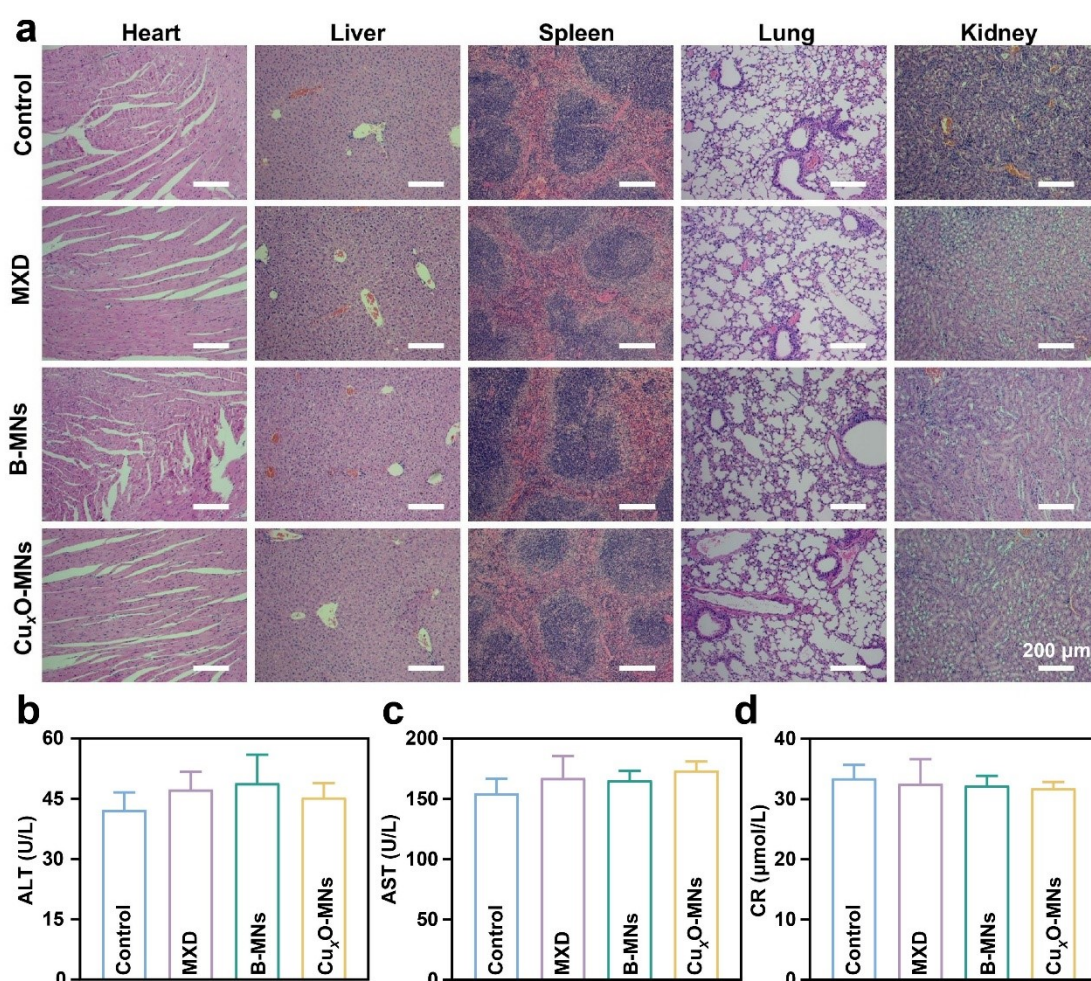


Figure S5. Animal safety evaluation of each group. (a) H&E staining of heart, liver, spleen, lung, and kidney in each group on day 28. (b-d) ALT (b), AST (c), and CR(d) levels in the serum of each group on day 28.