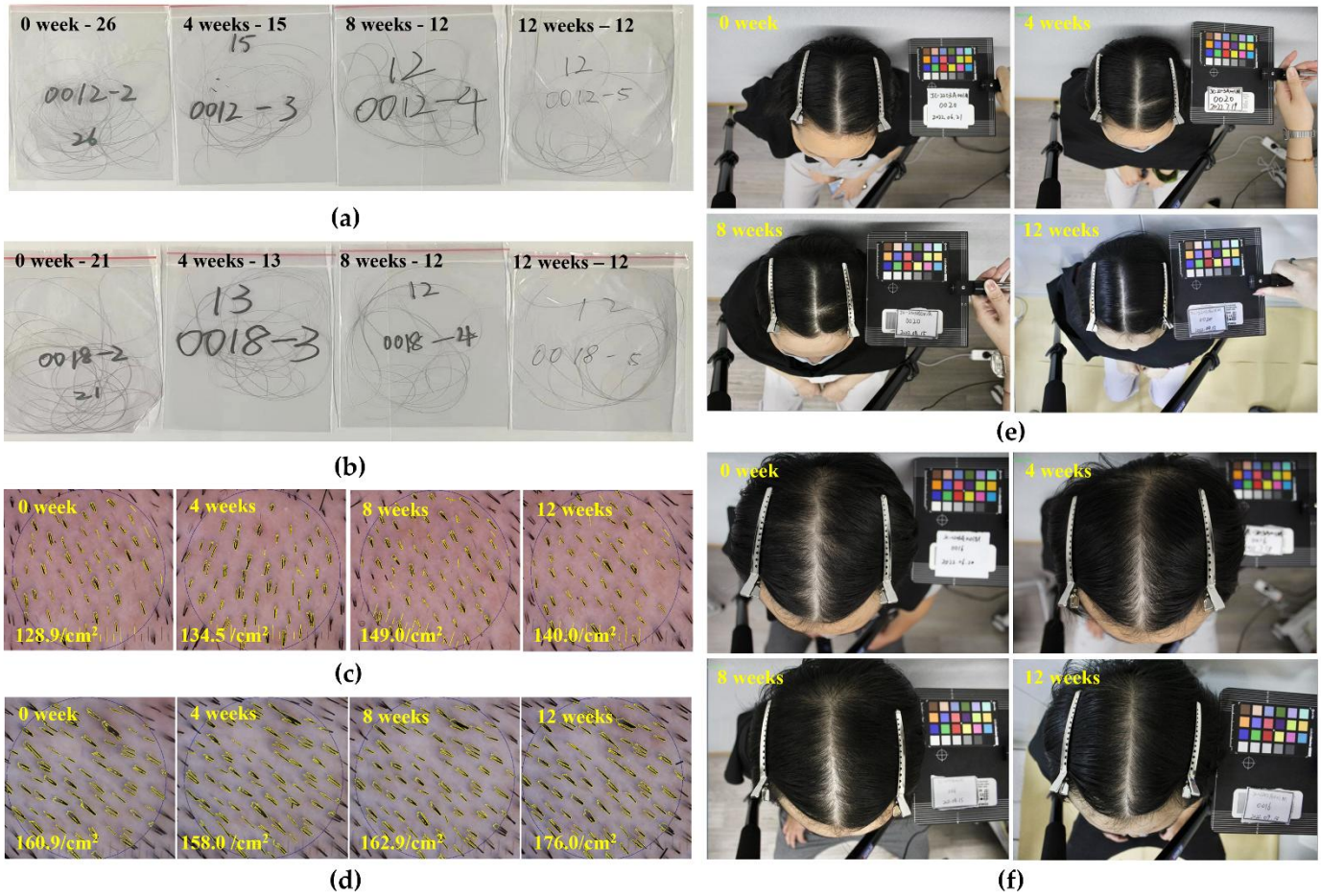


Figure S1. Supplementary clinical case images from the clinical trial evaluating CPE for hair loss prevention. Two groups of participants used either the CPE serum or the placebo serum for 12 weeks. a and b: hair loss count of CPE group; c and d: local hair density of CPE group; e and f: overall hair density of CPE group.

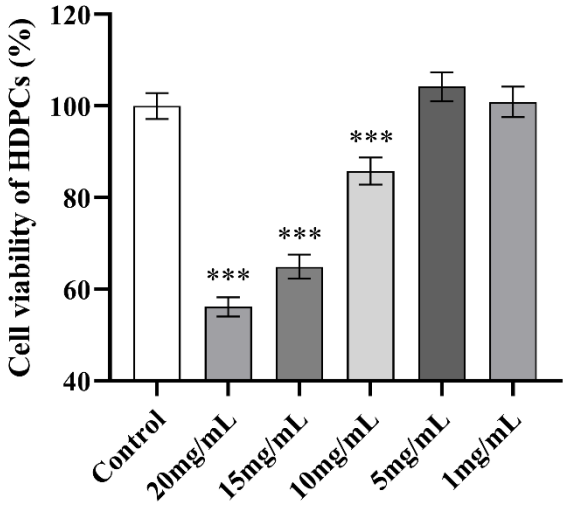


Figure S2. Effects of CPE on the viability of HDPCs. HDPCs were seeded into 96-well plates at a density of 5×10^4 cells/mL (100 μL/well) and incubated at 37°C, 5% CO_2 and 95% RH for 24 h. Then replaced with complete DMEM containing different concentrations of CPE; cells cultured in medium without CPE served as the control group. After 24 h of treatment, the medium was replaced with complete DMEM containing 10% (v/v) Cell Counting Kit-8 (Beyotime, China), followed by incubation for 30 min. Absorbance was measured at 450 nm using a microplate reader, and cell viability was calculated relative to the control. The results showed that CPE at concentrations up to 10 mg/mL exhibited no cytotoxicity to HDPCs (>80%). The results are expressed as mean ± SD. The differences between the CPE and control groups were analyzed by ANOVA: *** $p < 0.001$.