

Supplementary material to

Combined approach of nanoemulgel and microneedle pre-treatment as a topical anticellulite therapy

Hiba Imad Hameed and Mohammed Hussain Al-Mayahy*

Department of Pharmaceutics, College of Pharmacy, Mustansiriyah University, Baghdad, Iraq

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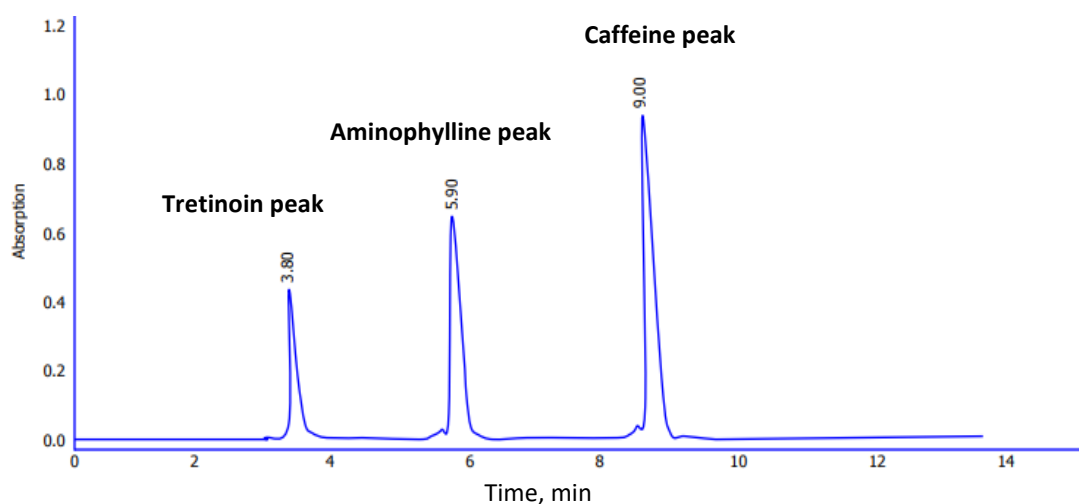


Figure S1. The HPLC chromatogram of the mixture of three drugs (caffeine, aminophylline, and tretinoin), showing the retention time of each drug

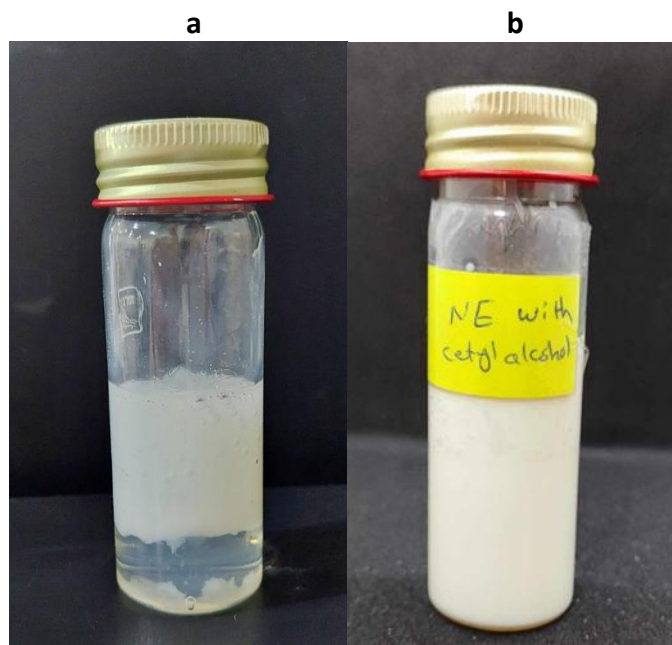


Figure S2. Images of the prepared NE formulations, a - without cetyl alcohol, and b - with cetyl alcohol.

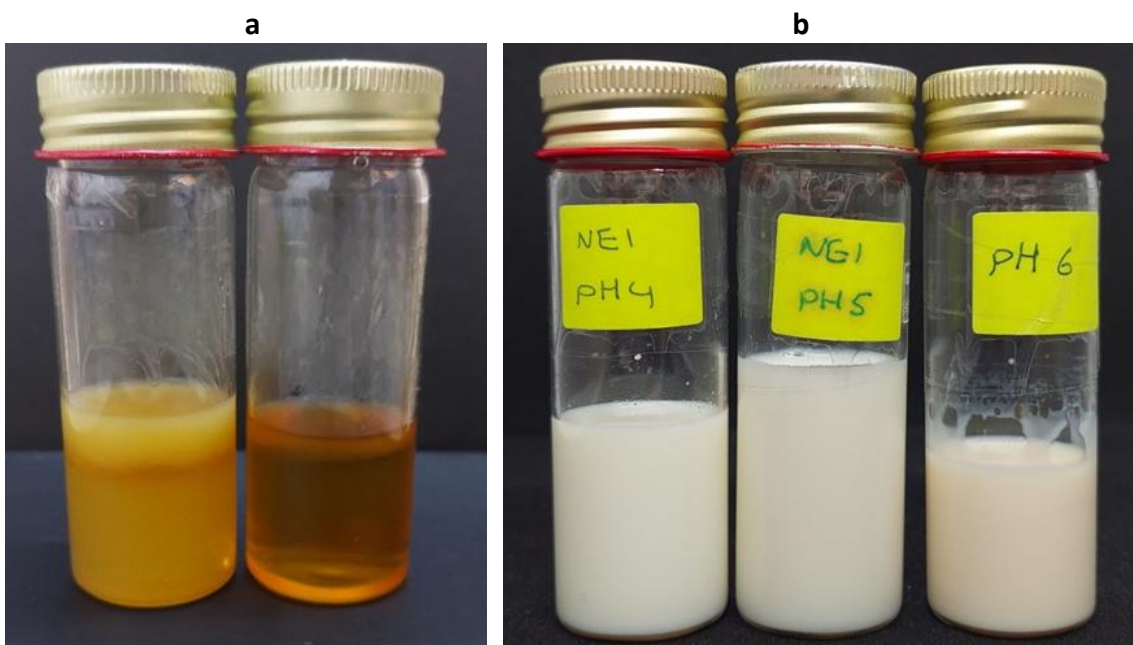


Figure S3. Images of the NE formulations prepared at a - pH 8, and b - pH 4, pH 5 and pH 6.

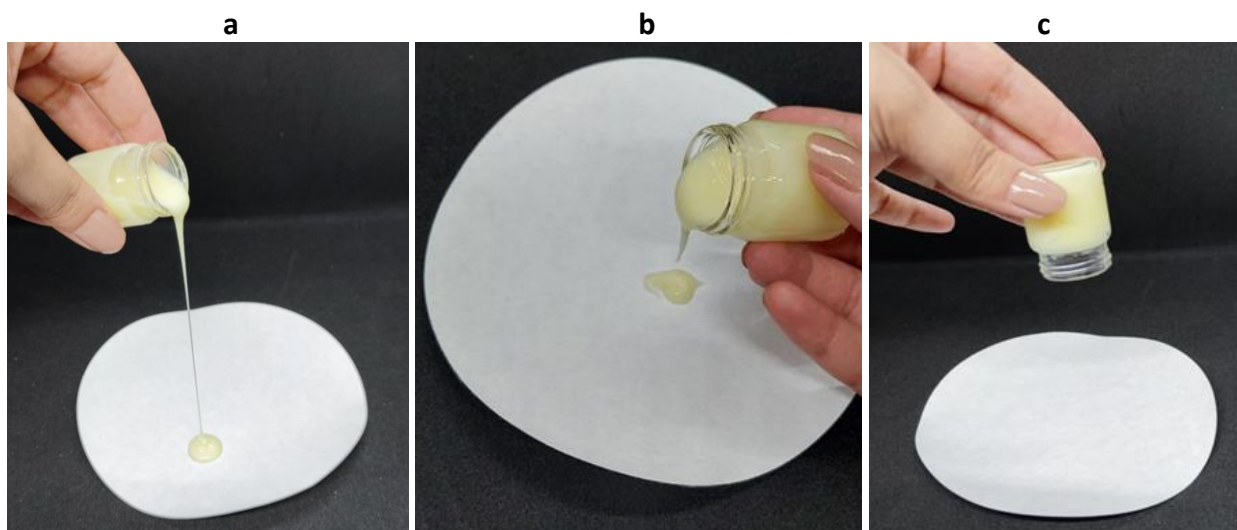


Figure S4. Images of the nanoemulgels prepared at different concentrations of HA (a) 1; (b) 1.5 and (c) 2 wt.%

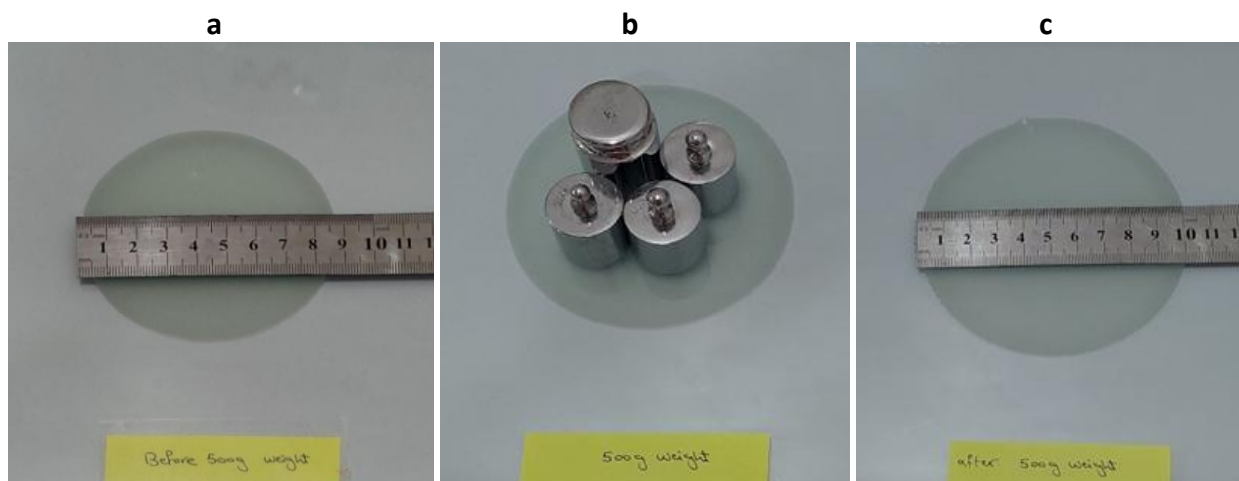


Figure S5. Images of the spreadability test of the nanoemulgel a - before the application of 500 g weight, b - during the application of 500 g weight, and c - after 5 minutes of the application of 500 g weight

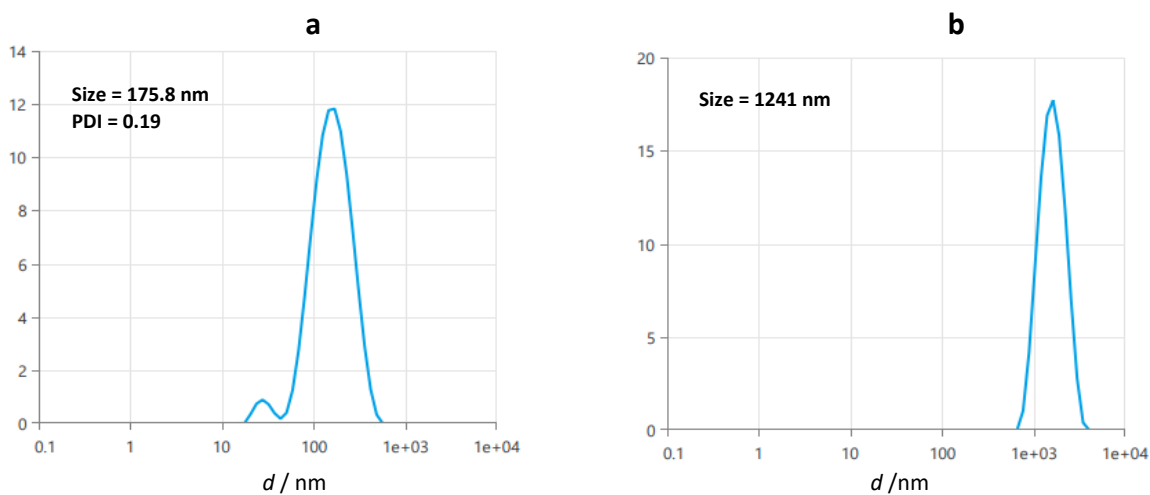


Figure S6. The droplet size distribution of a - NEG, and b - plain gel

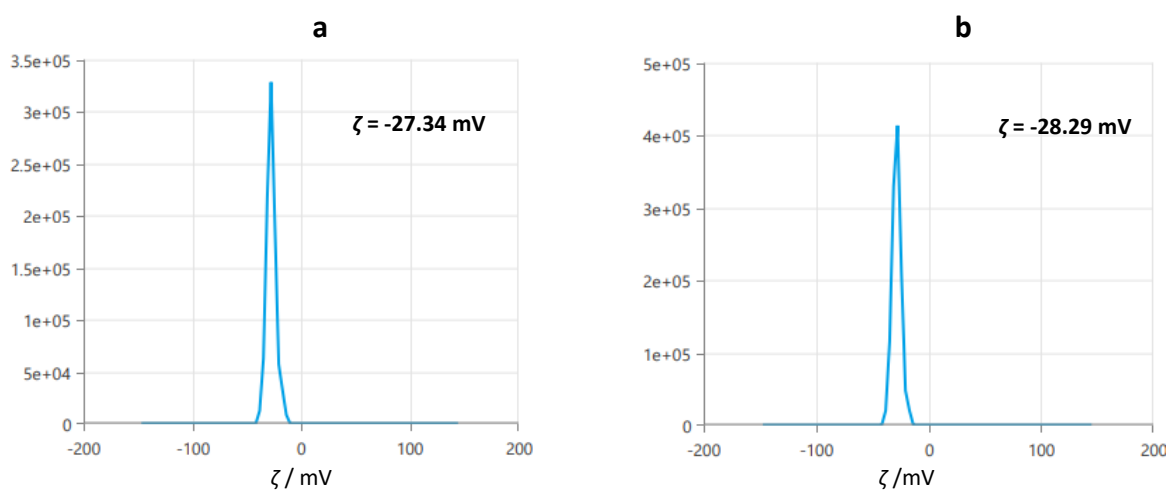


Figure S7. The measured zeta potential values for a - NE3, and b - NEG.

