

Supplementary Materials: Dermal Toxicity Influence of Gold Nanomaterials after Embedment in Cosmetics

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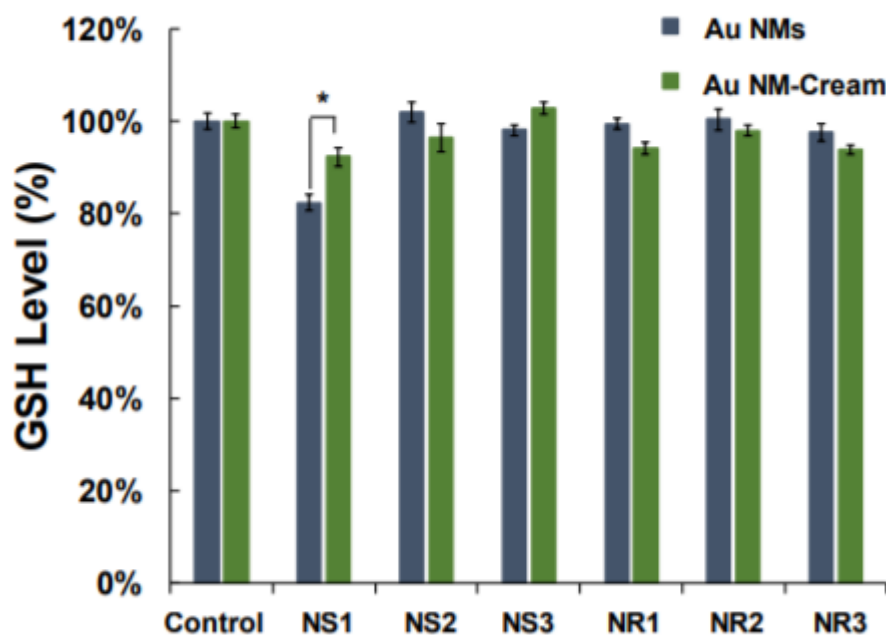


Figure S1. GSH level of cells induced by Au NMs and Au NM-Cream. HaCaT cells were treated with 0.18 $\mu\text{g cm}^{-2}$ Au NMs and Au NM-Cream (equivalent to Au surface area doses) for 24 h, and GSH level was assessed by DTNB methods. Significant difference * $p < 0.05$.

Table S1. Blood parameters of mice after dermal exposure to Au NMs and Au NM-Cream for 30 days.

	PBS	NS1	NS2	NS3	NR1	NR2	NR3
WBC($10^9/\text{L}$)	4.3 ± 1.52	2.85 ± 0.3	3.32 ± 1.08	4.4 ± 0.78	4.37 ± 0.68	3.97 ± 0.41	5.06 ± 1.74
RBC($10^{12}/\text{L}$)	10.28 ± 0.18	10.77 ± 1.1	10.01 ± 0.26	10.15 ± 0.55	10.24 ± 0.24	10.25 ± 0.38	10.62 ± 0.27
HGB(g/L)	163 ± 7.55	171 ± 8.49	155.67 ± 3.06	162 ± 4.58	160.67 ± 4.04	160.33 ± 5.51	169 ± 1.73
PLT($10^9/\text{L}$)	1084.67 ± 122.32	1274.5 ± 320.32	1114.67 ± 98.19	1260.33 ± 19.4	1101.67 ± 55.77	811.33 ± 116.37	1155 ± 137.36
NEUT%(%)	17.9 ± 3.03	12.5 ± 5.23	14.2 ± 0.5	65.03 ± 44.23	87.87 ± 5.99	86.93 ± 6.06	65.13 ± 45.36
LYMPH%(%)	77.17 ± 3.11	82.65 ± 2.76	79.4 ± 5.28	31.37 ± 46.05	9.1 ± 6.02	9.7 ± 6.01	31.37 ± 45.32
	Cream	NS1-Cream	NS2-Cream	NS3-Cream	NR1-Cream	NR2-Cream	NR3-Cream
WBC($10^9/\text{L}$)	3.53 ± 0.95	5.32 ± 1.64	4.78 ± 1.44	4.86 ± 0.62	3.51 ± 0.76	4.05 ± 0.4	3.83 ± 0.57
RBC($10^{12}/\text{L}$)	10.41 ± 0.15	10.02 ± 0.61	10.28 ± 0.24	9.67 ± 0.67	10.37 ± 0.69	10.21 ± 0.31	10.2 ± 0.21
HGB(g/L)	161.67 ± 2.08	163.33 ± 1.53	151.67 ± 2.52	153 ± 5.2	156.67 ± 4.73	154.67 ± 9.07	155 ± 4.58
PLT($10^9/\text{L}$)	1201 ± 113.41	994.33 ± 105.31	1244 ± 135.6	1165.33 ± 108.03	1185.33 ± 54.86	1085 ± 42.23	1261.67 ± 177.4
NEUT%(%)	9.27 ± 4.37	8.03 ± 3.18	6.17 ± 1.89	4.8 ± 1.41	10.1 ± 3.86	9.07 ± 1.62	9.13 ± 3.94
LYMPH%(%)	81.87 ± 5.52	86.6 ± 4.22	87.9 ± 2.3	88.63 ± 4.74	82.9 ± 3.99	85.8 ± 2.77	83.17 ± 4.42