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Supplementary 1.

Analysis of One-Way ANOVA and Post Hoc for rats' body weight post-treatment.

Group		Body Weight	
I	II	Post-treatment	95% CI
C	T1	0.000[2,]*	27.95±39.07
	T2	0.000[2,]*	40.65±53.15
T1	C	0.000[2,]*	-39.07±(-27.95)
	T2	0.000[2,]*	7.10±19.77
T2	C	0.000[2,]*	-53.15±(-40.65)
	T1	0.000[2,]*	-19.77±(-7.10)
p -value	0.000[1]	0.000[1]	

[1]Significant One-Way ANOVA test results for post-test data, with $p<0.005$, indicating significant differences in all treatment groups. [2]LSD Post Hoc test showing a *p-value<0.05, thus indicating significant differences in post-treatment data between groups.

Supplementary 2.

Analysis of One-Way ANOVA and Post Hoc for rats' HOMA-IR pre- and post-treatment.

Group		HOMA-IR		
I	II	Pre-treatment	Post-treatment	Delta Change
C	T1	0.006[1,]*	<0.001[2,]*	<0.001[2,]*
	T2	0.109[1]	<0.001[2,]*	<0.001[2,]*
T1	T2	0.004[1,]*	<0.001[2,]*	<0.001[2,]*

[1]Analyzed with Mann Whitney test. [2]Analyzed with LSD Post Hoc. *Significant if $p<0.05$.

Supplementary 3.

Analysis of One-Way ANOVA and Post Hoc for rats' IL-1 levels post-treatment.

Group		IL-1	
I	II	Post-treatment	95% CI
C	T1	0.000[2,]*	14.05±21.04
	T2	0.000[2,]*	27.08±35.05
T1	C	0.000[2,]*	-21.01±(-14.05)
	T2	0.000[2,]*	9.39±17.54
T2	C	0.000[2,]*	-35.05±(-27.08)
	T1	0.000[2,]*	-17.54±(-9.39)
p -value	0.000[1]	0.000[1]	

[1]Significant one-Way ANOVA test results for post-test data, with $p<0.005$, indicating significant differences in all treatment groups. [2]LSD Post Hoc test showing a *p-value<0.05, thus indicating significant differences in post-treatment data between groups.

Supplementary 4.

Analysis of One-Way ANOVA and Post Hoc for rats' IL-10 levels pre- and post-treatment.

Group		IL-10		
I	II	Pre-treatment	Post-treatment	Delta Change
C	T1	0.228	<0.001*	<0.001*
	T2	0.157	<0.001*	<0.001*
T1	T2	0.705	<0.001*	<0.001*

*LSD Post Hoc test results showing a *p*-value <0.05, thus indicating significant differences in post-treatment data between groups.