

Supplementary materials

Table S1 : Eugenol and eugenol nanoemulsion effects on rat's liver weight.

GROUPS	Liver average Wt. (gm)	<i>P</i> -value**		
1. Uninfected Control	5.58 ± 0.3	1 vs 2<0.001	2 vs 7<0.001	4 vs 6<0.001
2. Infected Control CE	15.11 ± 0.9	1 vs 3=0.005	2 vs 8<0.001	4 vs 7=0.001
3. Infected treated Eug-NE	7.04 ± 0.6	1 vs 4=0.002	3 vs 4=0.049	4 vs 8<0.001
4. Infected treated Eug	7.79 ± 0.5	1 vs 5<0.001	3 vs 5=0.002	5 vs 6<0.001
5. Infected treated ABZ.	8.80 ± 0.5	2 vs 3<0.001	3 vs 6=0.008	5 vs 7<0.001
6. Uninfected treated Eug	5.96 ± 0.3	2 vs 4<0.001	3 vs 7=0.010	5 vs 8<0.001
7. Uninfected treated Eug-NE	5.85 ± 0.3	2 vs 5<0.001	3 vs 8=0.004	
8. Uninfected treated ABZ.	5.87 ± 0.4	2 vs 6<0.001	4 vs 5=0.015	
<i>P</i> -value*	< 0.001			

*One Way ANOVA

**Post-hoc test

P-value< 0.05 was considered significant.

Table S2 : Eugenol and eugenol nanoemulsion effects on rat's liver hypertrophy indicator.

GROUPS	Liver hypertrophy indicator (%)	P-value**		
1. Uninfected Control	29.25 ± 1.4	1 vs 2<0.001	2 vs 7<0.001	4 vs 6<0.001
2. Infected Control CE	78.70 ± 4.8	1 vs 3=0.004	2 vs 8<0.001	4 vs 7=0.001
3. Infected treated Eug-NE	35.57 ± 3.0	1 vs 4=0.001	3 vs 4=0.042	4 vs 8<0.001
4. Infected treated Eug	39.55 ± 2.6	1 vs 5<0.001	3 vs 5=0.001	5 vs 6<0.001
5. Infected treated ABZ.	45.14 ± 2.7	2 vs 3<0.001	3 vs 6=0.006	5 vs 7<0.001
6. Uninfected treated Eug	29.80 ± 1.5	2 vs 4<0.001	3 vs 7=0.008	5 vs 8<0.001
7. Uninfected treated Eug-NE	29.24 ± 1.7	2 vs 5<0.001	3 vs 8=0.003	
8. Uninfected treated ABZ.	29.34 ± 1.9	2 vs 6<0.001	4 vs 5=0.011	
P-value*	< 0.001			

*One Way ANOVA

**Post-hoc test

P-value< 0.05 was considered significant.

Table S3 : Eugenol and eugenol nanoemulsion effects on rat's lung weight.

GROUPS	Lung average Wt. (gm)	P-value**		
1. Uninfected Control	1.49 ± 0.1	1 vs 2<0.001	2 vs 7<0.001	4 vs 7<0.001
2. Infected Control CE	3.57 ± 0.3	1 vs 3<0.001	2 vs 8<0.001	4 vs 8<0.001
3. Infected treated Eug-NE	1.99 ± 0.1	1 vs 4<0.001	3 vs 4=0.005	5 vs 6<0.001
4. Infected treated Eug	2.50 ± 0.2	1 vs 5<0.001	3 vs 5=0.001	5 vs 7<0.001
5. Infected treated ABZ.	2.73 ± 0.2	2 vs 3<0.001	3 vs 6<0.001	5 vs 8<0.001
6. Uninfected treated Eug	1.45 ± 0.1	2 vs 4=0.003	3 vs 7<0.001	
7. Uninfected treated Eug-NE	1.37 ± 0.1	2 vs 5=0.004	3 vs 8<0.001	
8. Uninfected treated ABZ.	1.31 ± 0.1	2 vs 6<0.001	4 vs 6<0.001	
P-value*	< 0.001			

*One Way ANOVA

**Post-hoc test

P-value< 0.05 was considered significant.

Table S4 : Eugenol and eugenol nanoemulsion effects on rat's lung hypertrophy indicator.

GROUPS	Lung hypertrophy indicator (%)	<i>P</i>-value**		
1. Uninfected Control	7.46 ± 0.4	1 vs 2<0.001	2 vs 7<0.001	4 vs 7<0.001
2. Infected Control CE	17.98 ± 1.4	1 vs 3<0.001	2 vs 8<0.001	4 vs 8<0.001
3. Infected treated Eug-NE	9.97 ± 0.7	1 vs 4<0.001	3 vs 4=0.005	5 vs 6<0.001
4. Infected treated Eug	12.52 ± 1.1	1 vs 5<0.001	3 vs 5=0.001	5 vs 7<0.001
5. Infected treated ABZ.	13.79 ± 1.1	2 vs 3<0.001	3 vs 6<0.001	5 vs 8<0.001
6. Uninfected treated Eug	7.27 ± 0.6	2 vs 4=0.002	3 vs 7<0.001	
7. Uninfected treated Eug-NE	6.84 ± 0.6	2 vs 5=0.004	3 vs 8<0.001	
8. Uninfected treated ABZ.	6.53 ± 0.4	2 vs 6<0.001	4 vs 6<0.001	
<i>P</i>-value*	= 0.004			

*One Way ANOVA

**Post-hoc test

P-value< 0.05 was considered significant.