

Supplementary Information (S.I.)

S.I. Table

S.I. Table 1: Changes in various biochemical parameters among dams of control and various treated groups

| Treatment Groups | Antioxidative parameter in the liver of dams | | | | |
|---|--|-----------------------------|---------------------------|---------------------------------|------------------------------|
| | ROS (unit /min/mg protein) | TBARS (nM/mg of protein) | GSH (nM/mg of protein) | Catalase (µm/min/mg protein) | SOD (Unit/min/mg Protein) |
| Group I Control (1% GA) | 114.83 ± 2.12 | 38.68 ± 0.64 | 0.35 ± 0.01 | 4.40 ± 0.20 | 8.41± 0.14 |
| Group II VPA-300 | 388.58 ±2.94*** | 50.84 ± 0.46*** | 0.09 ± 0.03*** | 2.49 ± 0.20*** | 6.88 ± 0.11*** |
| Group III sub-group-I Cur-100 | 114.08 ±2.33 | 34.97 ± 1.27 | 0.36 ± 0.02 | 5.44 ± 0.28*** | 8.55 ± 0.20 |
| sub-group-II Cur-150 | 111.88 ±0.90 | 32.47 ± 3.76* | 0.41 ± 0.04* | 5.54 ± 0.23*** | 8.58 ± 0.18 |
| sub-group-III Cur-200 | 99.96 ±4.55** | 18.64 ± 0.54*** | 0.42 ± 0.03** | 5.70 ± 0.19*** | 8.62 ± 0.13 |
| Group IV sub-group-I VPA-300 + Cur-100 | 373.92 ±8.29### | 39.90 ± 4.37### | 0.10 ± 0.04 | 2.63 ± 0.19 | 7.16 ± 0.07 [#] |
| sub-group-II VPA-300 + Cur-150 | 230.33 ±8.64### | 35.99 ± 4.06### | 0.16 ± 0.02 ^{##} | 2.93 ± 0.49 | 7.75 ± 0.27### |
| sub-group-III VPA-300 + Cur-200 | 187.8 ±6.43### | 22.97 ± 1.93### | 0.20 ± 0.02### | 3.64 ± 0.11 ^{##} | 8.02 ± 0.18### |

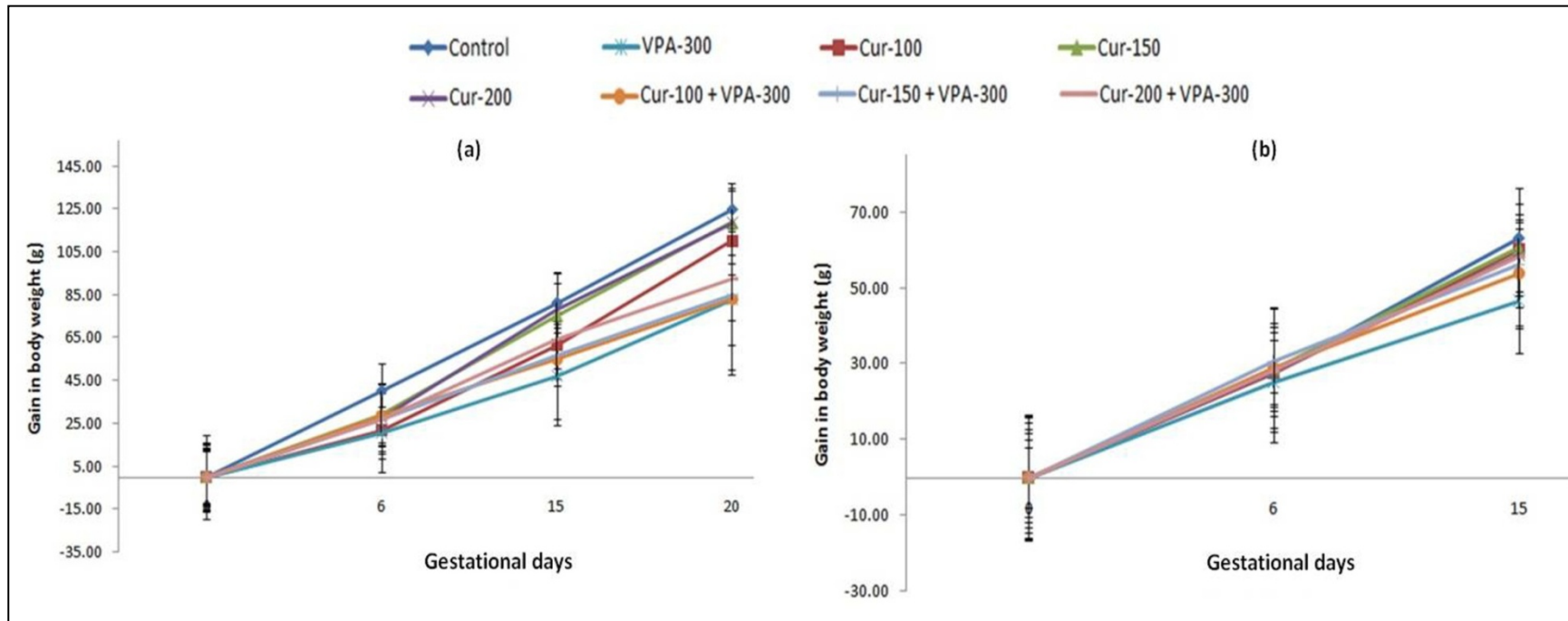
- Comparison of Group I with Group II and Group III - ***p < 0.001, **p < 0.01, *p < 0.05, non-significant >0.05
- Comparison of Group II with Various sub-groups of Group IV - ###p < 0.001, ##p < 0.01, #p < 0.05, non-significant >0.05

S.I. Figure

S.I. Figure 1: Graph showing body weight gain among dams of control and other groups / subgroups treated with Valproic acid, various doses of curcumin and combination of these two. The results are expressed as mean \pm SD.

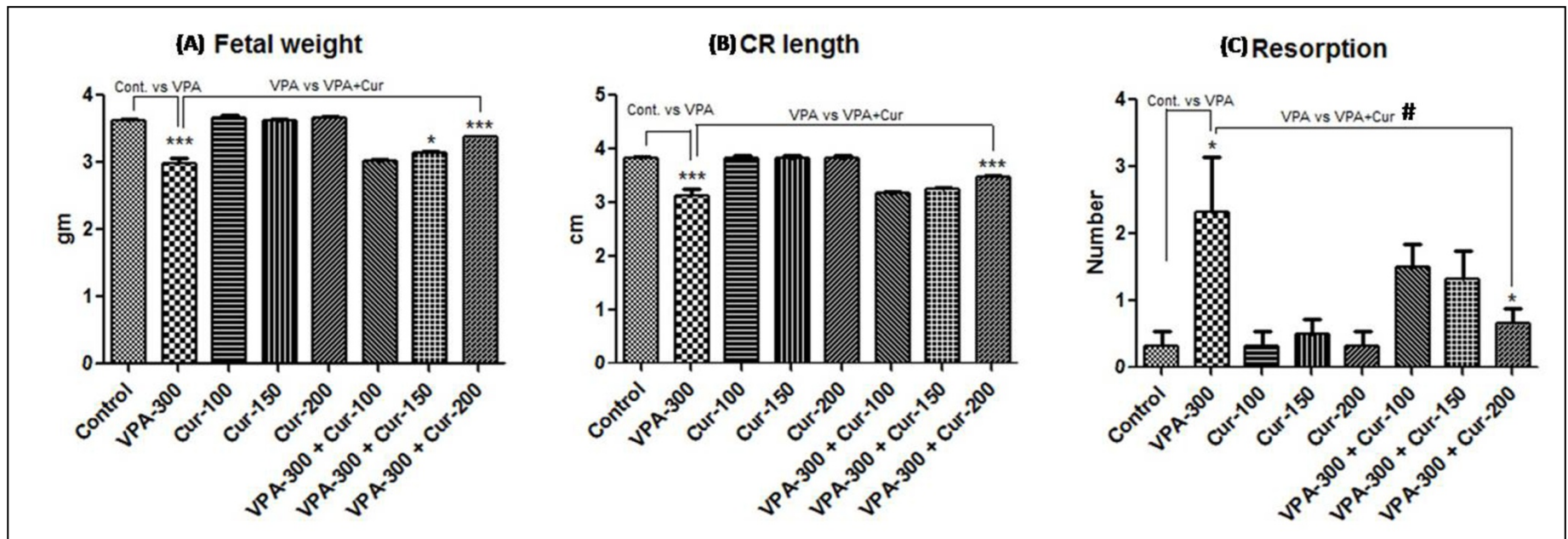
a – Body weight gain of dams followed till day 20 of gestation and

b -Body weight gain of dams followed till day 15 of gestation

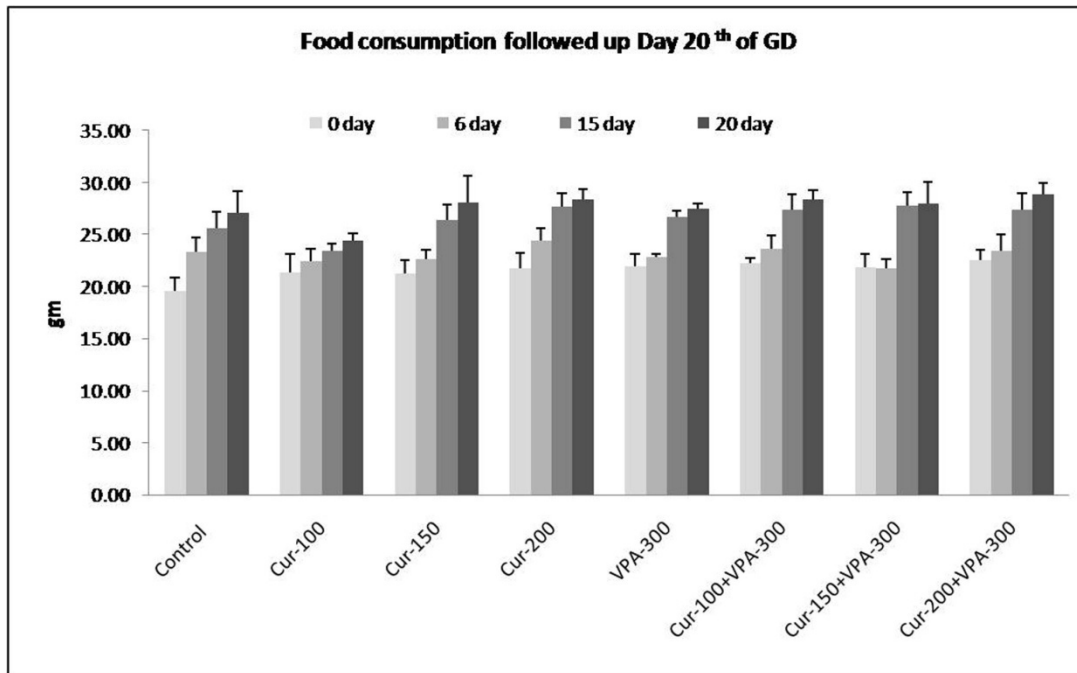


S.I. Figure 2: Changes in foetal weight, crown to rump length and in resorptions among the dams of various groups and sub-groups. (* denoting significance i.e. $*p < 0.05$ = less significant, $p < 0.01$ – significant, $***p < 0.001$ = highly significant and >0.05 =non significant (NS)).**

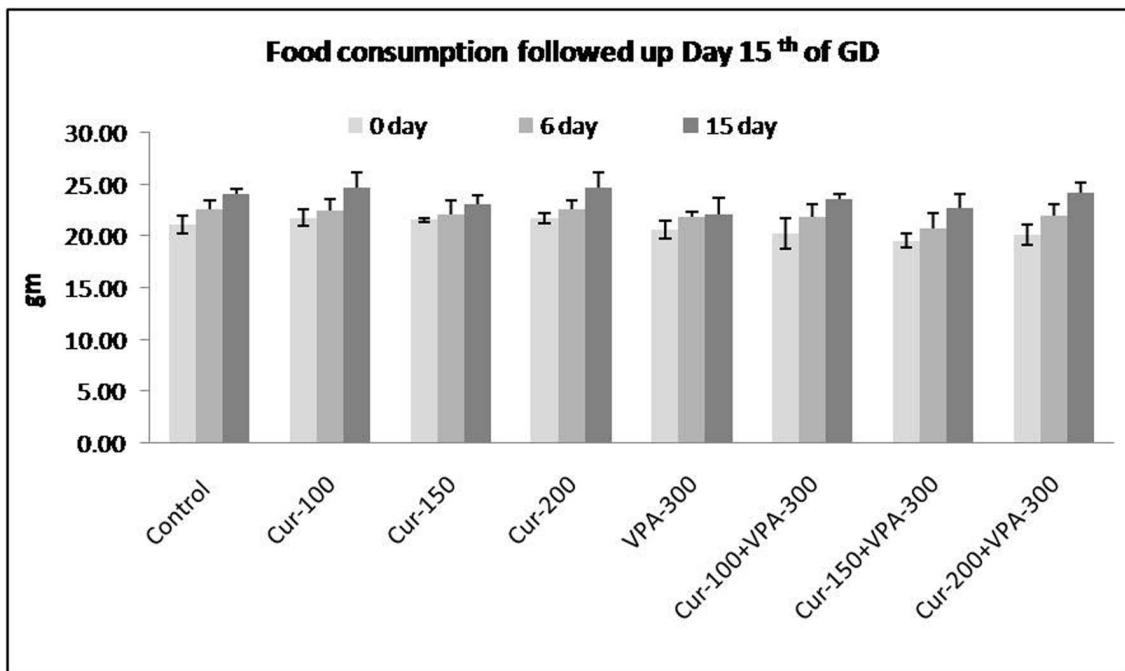
(# - % reduction in resorption among the dams of various sub-groups of Group IV in respect to Group II has been calculated to be 35.71, 42.85 and 71.42 respectively)



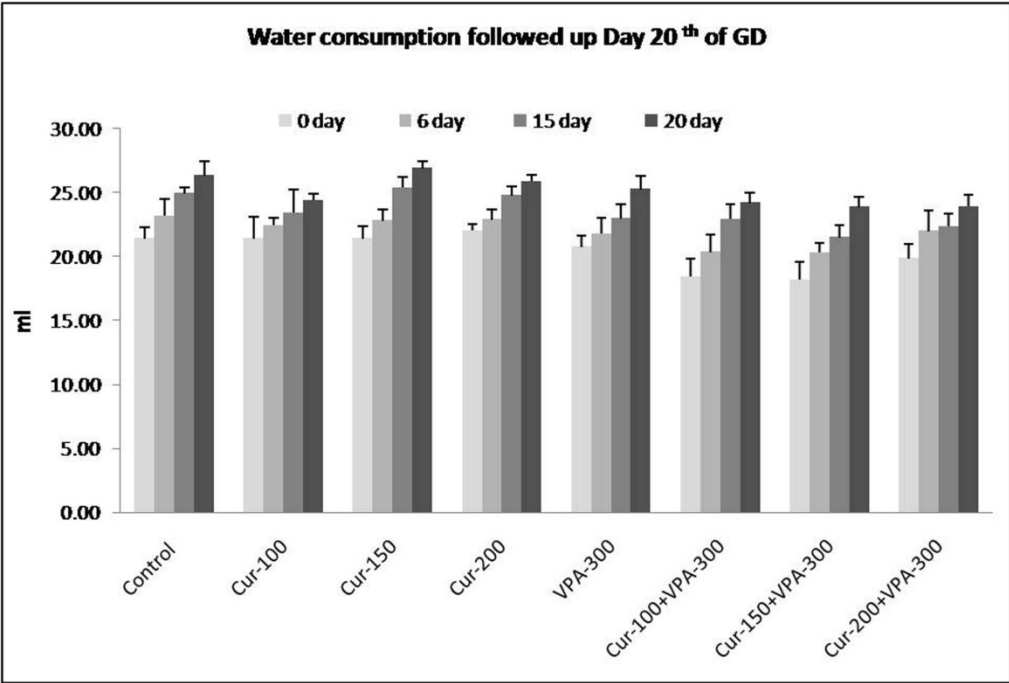
S.I. Figure 3: Showing food consumption among dams of control and various Treated groups sacrificed on day 20th of gestation



S.I. Figure 4: Showing food consumption among dams of control and various Treated groups sacrificed on day 15th of gestation



S.I. Figure 5: Showing water consumption among dams of control and various Treated groups sacrificed on day 20th of gestation



S.I. Figure 6: Showing water consumption among dams of control and various Treated groups sacrificed on day 15th of gestation

