

Table- S1 Effect of bisphenol A treatment on biochemical changes in testis of mice

Sr. No.	Experimental group	Total protein <sup>1</sup>	Total lipid <sup>1</sup>	Total cholesterol <sup>1</sup>	3β HSD <sup>2</sup>	17β HSD <sup>2</sup>	Testosterone <sup>3</sup>
<b>Control groups</b>							
I	<b>Untreated control</b>	13.257 ± 0.226	6.162 ± 0.128	1.250 ± 0.025	0.680±0.018	0.542±0.018	2.724±0.041
II	<b>Vehicle control</b> (0.2 ml olive oil /animal/day)	13.115 ± 0.317	6.190 ± 0.100	1.252 ± 0.026	0.666±0.021	0.543±0.017	2.738±0.046
III	<b>Antidote control</b> (0.2 ml quercetin/animal/day)	13.188 ± 0.159	6.066 ±0.082	1.241±0.036	0.650 ± 0.018	0.541 ± 0.013	2.659 ± 0.050
<b>BPA-treated groups</b>							
IV	<b>BPA-Low dose</b> (80mg/kg bodyweight/day)	10.024 ± 0.152 <sup>a</sup> (23.57)	4.718 ± 0.163 <sup>a</sup> (23.78)	0.978 ± 0.032 <sup>a</sup> (21.86)	0.487±0.021 <sup>a</sup> (27.04)	0.447±0.010 <sup>a</sup> (17.66)	2.274±0.051 <sup>a</sup> (16.95)
V	<b>BPA-Medium dose</b> (120 mg/kg bodyweight/day)	8.537 ± 0.244 <sup>a</sup> (34.90)	3.258 ± 0.169 <sup>a</sup> (47.36)	0.641±0.020 <sup>a</sup> (48.78)	0.325±0.024 <sup>a</sup> (45.15)	0.329±0.014 <sup>a</sup> (39.47)	1.332±0.021 <sup>a</sup> (51.35)
VI	<b>BPA-High dose</b> (240 mg/kg bodyweight/day)	6.805 ± 0.142 <sup>a</sup> (50.44)	2.171 ± 0.109 <sup>a</sup> (64.93)	0.376±0.015 <sup>a</sup> (69.97)	0.228±0.020 <sup>a</sup> (62.526)	0.221±0.010 <sup>a</sup> (59.37)	0.770±0.075 <sup>a</sup> (71.88)
<b>HD BPA(240 mg/kg body weight) + Quercetin Treated groups</b>							
VII	<b>BPA-HD + quercetin</b> (30 mg/kg body weight/day)	9.609 ±0.339 <sup>b</sup> <b>(47.00)</b>	4.034 ± 0.131 <sup>b</sup> <b>(46.37)</b>	0.886±0.023 <sup>b</sup> <b>(58.25)</b>	0.400 ± 0.020 <sup>b</sup> <b>(36.80)</b>	0.348 ± 0.012 <sup>b</sup> <b>(40.06)</b>	1.482 ± 0.032 <sup>b</sup> <b>(36.18)</b>
VIII	<b>BPA-HD + quercetin</b> (60 mg/kg body weight/day)	11.404 ±0.336 <sup>b</sup> <b>(74.14)</b>	4.790 ± 0.132 <sup>b</sup> <b>(65.17)</b>	1.021 ± 0.042 <sup>b</sup> <b>(73.63)</b>	0.528 ± 0.026 <sup>b</sup> <b>(67.68)</b>	0.420 ± 0.010 <sup>b</sup> <b>(62.29)</b>	2.134 ± 0.078 <sup>b</sup> <b>(69.81)</b>
IX	<b>BPA-HD + quercetin</b> (90 mg/kg body weight/day)	13.006 ±0.243 <sup>b</sup> <b>(98.35)</b>	5.414 ±0.137 <sup>b</sup> <b>(80.70)</b>	1.198 ± 0.049 <sup>b</sup> <b>(93.89)</b>	0.651 ± 0.011 <sup>b</sup> <b>(97.49)</b>	0.501 ± 0.023 <sup>b</sup> <b>(80.47)</b>	2.664 ± 0.044 <sup>b</sup> <b>(96.22)</b>

Values are mean ± S.E.M., n=10

Values shown in parenthesis indicate:

Italics- Percent change in BPA-treated from untreated control

Bold- Organoprotective index from BPA-HD

Level of significance <sup>a</sup>p <0.05 as compared to vehicle control

<sup>b</sup>p <0.05 as compared to BPA-treated

No significant difference was noted between different control groups (Groups 1-3).

Units: <sup>1</sup>mg/100 mg tissue weight; <sup>2</sup>nmoles of androstenedione formed/mg protein/min.; <sup>3</sup>ng/dl.