Cortex

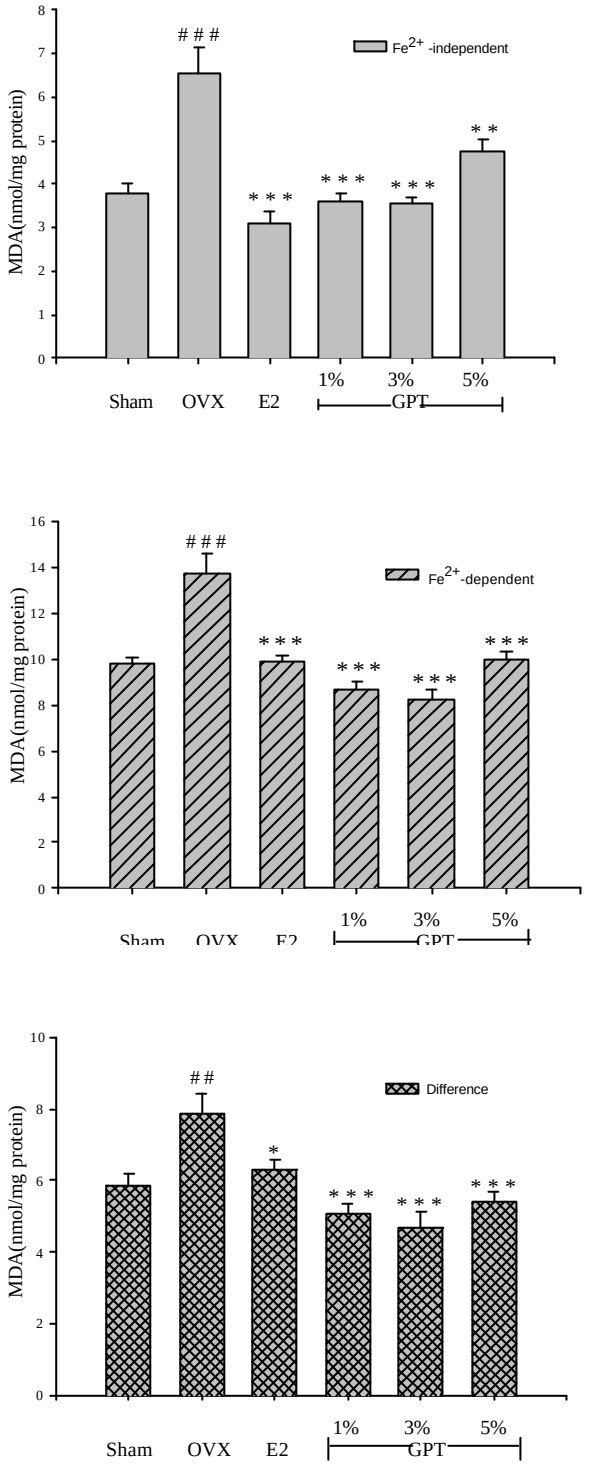

Fig 3-1. Effect of GPT on the levels of Fe^{+2}-independent and Fe^{+2}-dependent LPO the differences between the Fe^{+2} stimulated level of LPO and the basal in the cerebral cortex of ovariectomized rats. Data are means ± S.E. (n = 9). $^{\#\#}P<0.01$, $^{\#\#\#}P<0.001$ compared with sham operated group. *P<0.05, **P<0.01,***P<0.001 compared with OVX group. LPO: lipid peroxidation; OVX: ovariectomized group; E2 : OVX+17 β -estradiol group.

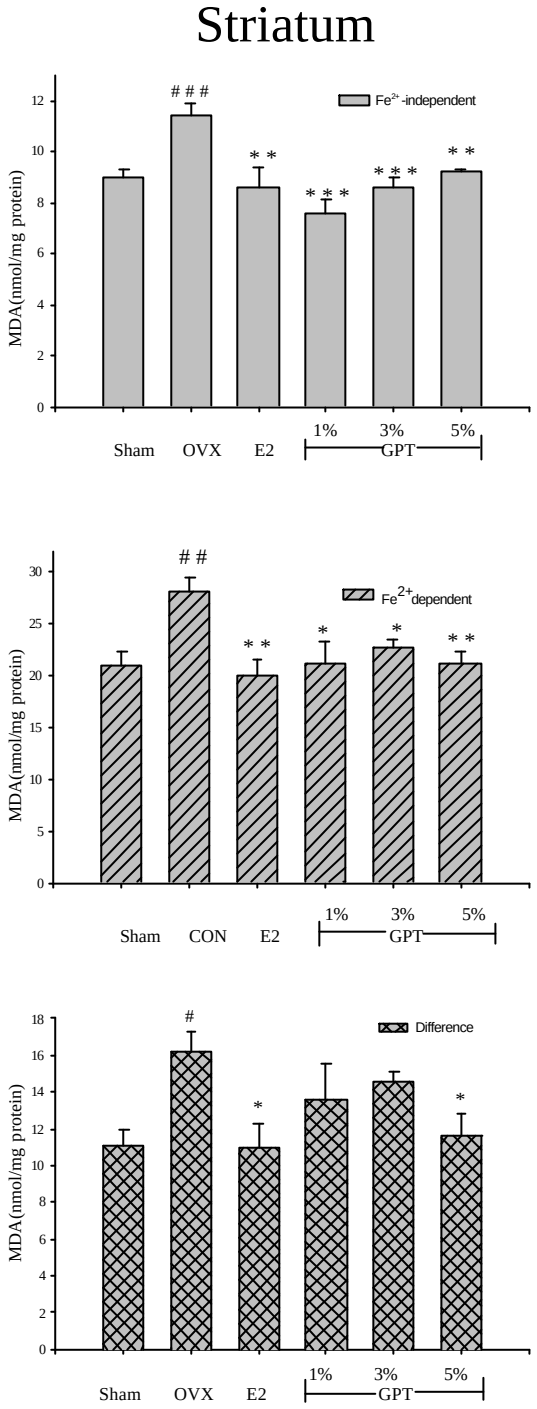

Fig 3-2. Effect of GPT on the levels of Fe^{+2}-independent and Fe^{+2}-dependent LPO, the difference between the Fe^{+2} stimulated level of LPO and the basal in the striatum of ovariectomized rats. Data are means ± S.E. (n = 9). $^{\#}P<0.05$, $^{\#\#}P<0.01$, $^{\#\#\#}P<0.001$ compared with sham operated group. *P<0.05, **P<0.01,***P<0.001 compared with OVX group. LPO: lipid peroxidation; OVX: ovariectomized group; E2 : OVX+17 β -estradiol group.

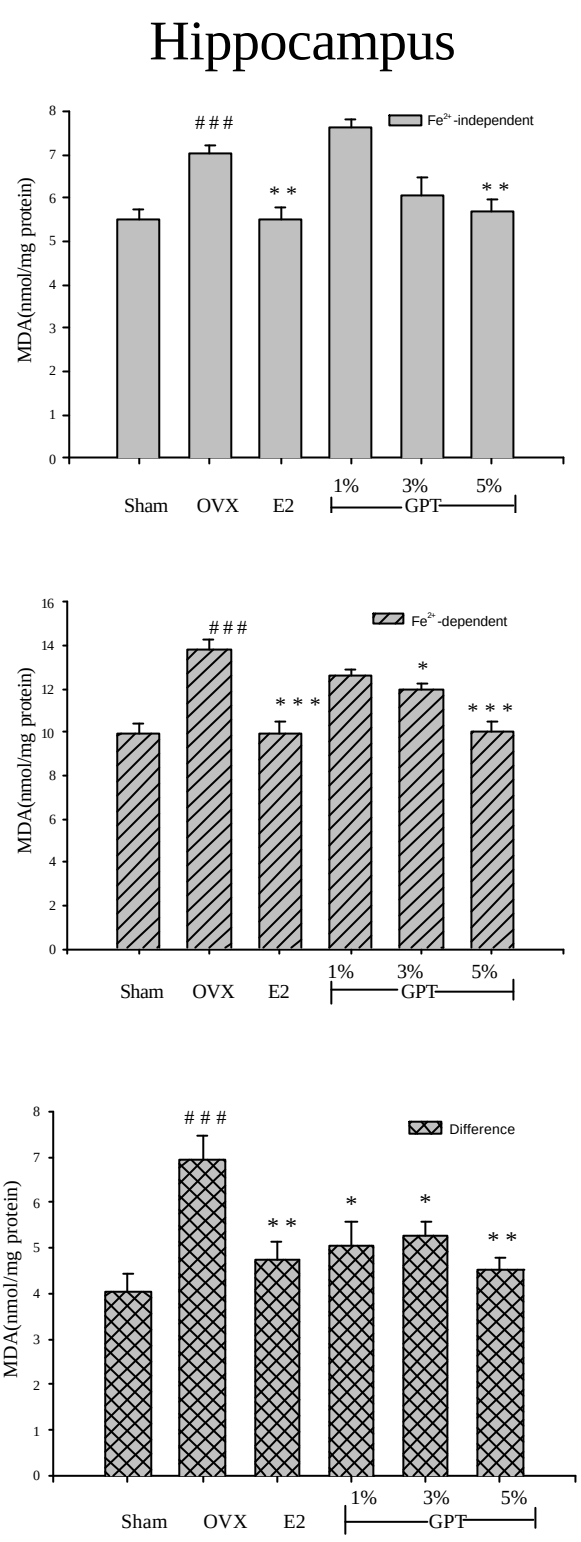

Fig 3-3. Effect of GPT on the level of Fe^{+2}-independent and Fe^{+2}-dependent LPO, the difference between the Fe^{+2} stimulated level of LPO and the basal in the hippocampus of ovariectomized rats. Data are means ± S.E. (n = 9). $^{###}P<0.001$ compared with sham operated group. *P<0.05, **P<0.01,***P<0.001 compared with OVX group. LPO: lipid peroxidation; OVX: ovariectomized group; E2 : OVX+17 β -estradiol group.

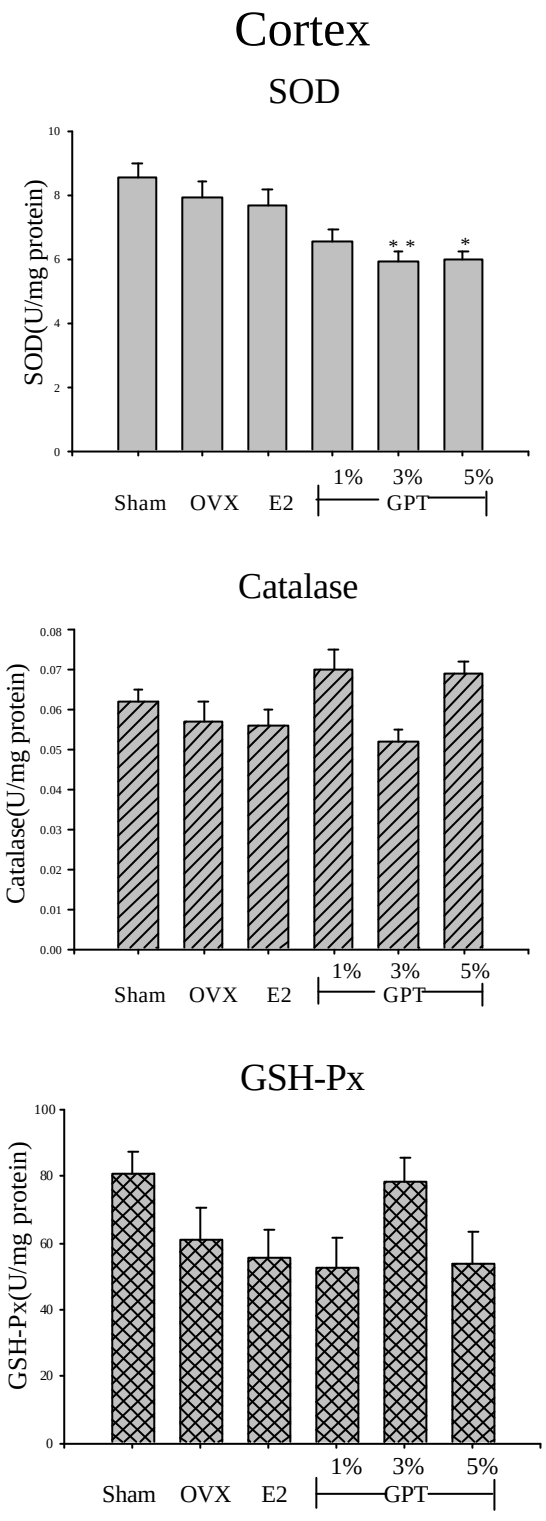

Fig 3-4. Effect of GPT on activities of SOD, Catalase and GSH-Px in the cerebral cortex of ovariectomized rats. Data are means ± S.E. (n = 9). *P<0.05, **P<0.01 compared with OVX group. OVX: ovariectomized group; E2 : OVX+17β-estradiol group.

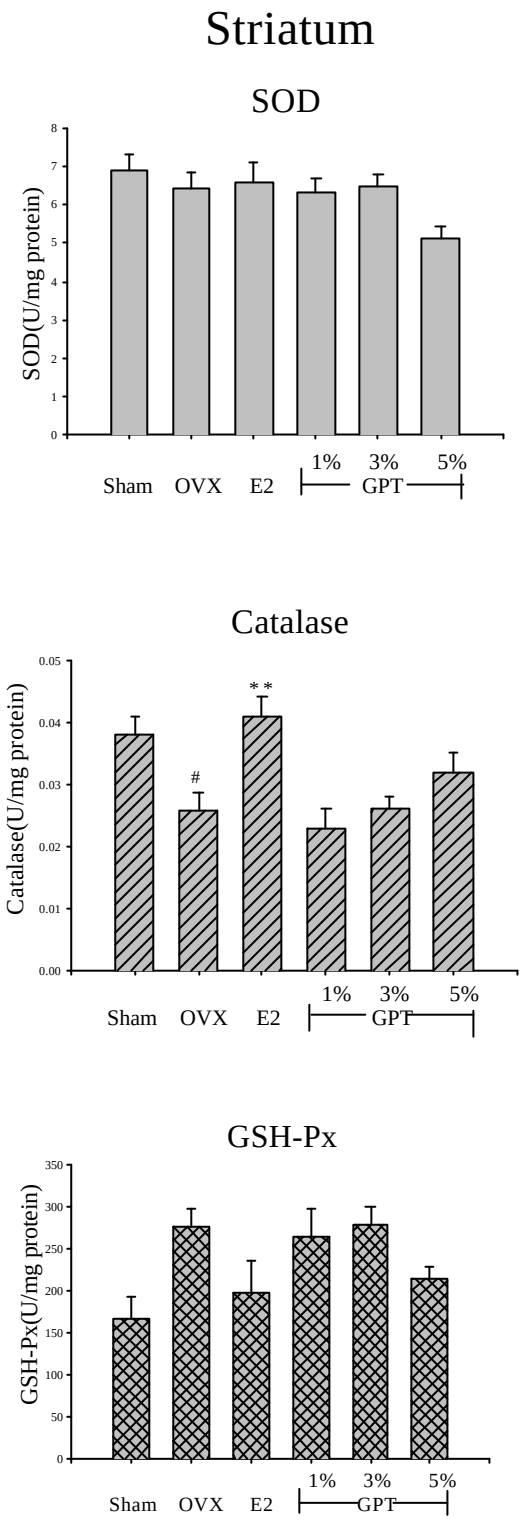

Fig 3-5. Effect of GPT on the activities of SOD, catalase and GSH-PX in striatum of ovariectomized rats. Data are means ± S.E. (n = 9). $^{\#}P<0.05$ compared with sham operated group. **P<0.01compared with OVX group. OVX: ovariectomized group; E2 : OVX+17 β -estradiol group.

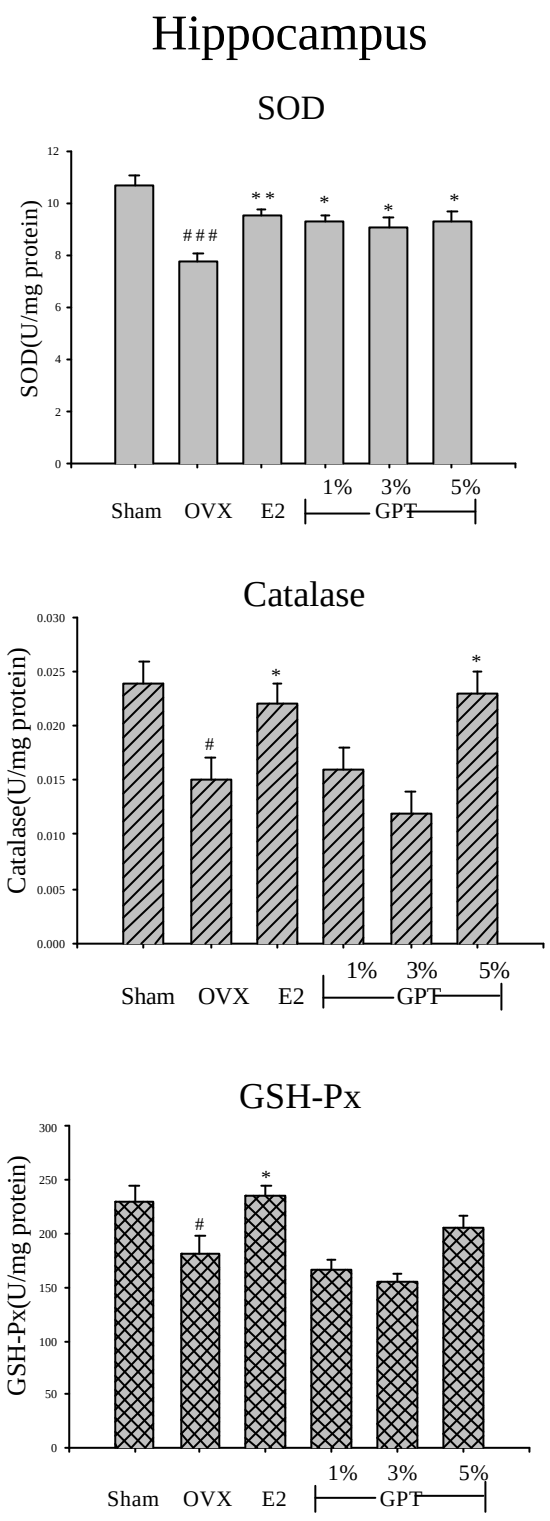

Fig 3-6. Effect of GPT on the activities of SOD, catalase and GSH-Px in the hippocampus of ovariectomized rats. Data are means ± S.E. (n = 9). $^{\#}$ P<0.05 , $^{\#\#\#}$ P<0.001 compared with sham operated group. *P<0.05, **P<0.01 compared with OVX group. OVX: ovariectomized group; E2 : OVX+17 β -estradiol group.

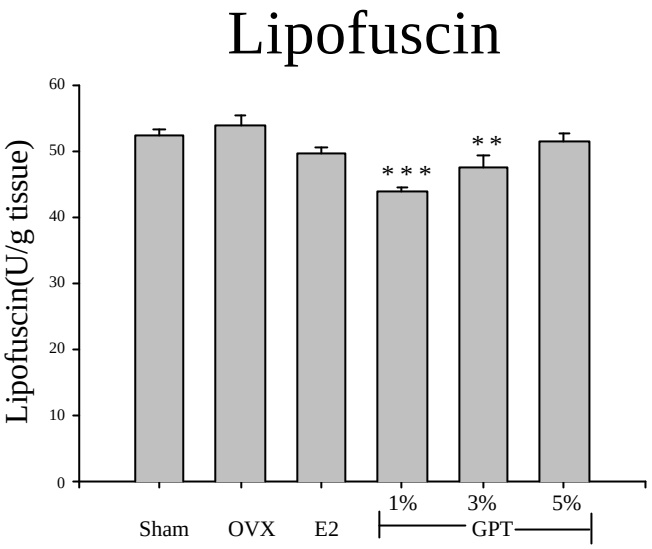

Fig 3-7. Effect of GPT on lipofuscin level in brain stem of ovariectomized rats. Data are means ± S.E. (n = 9). **P<0.01,***P<0.001 compared with OVX group. OVX: ovariectomized group; E2 : OVX+17 β -estradiol group

Liver

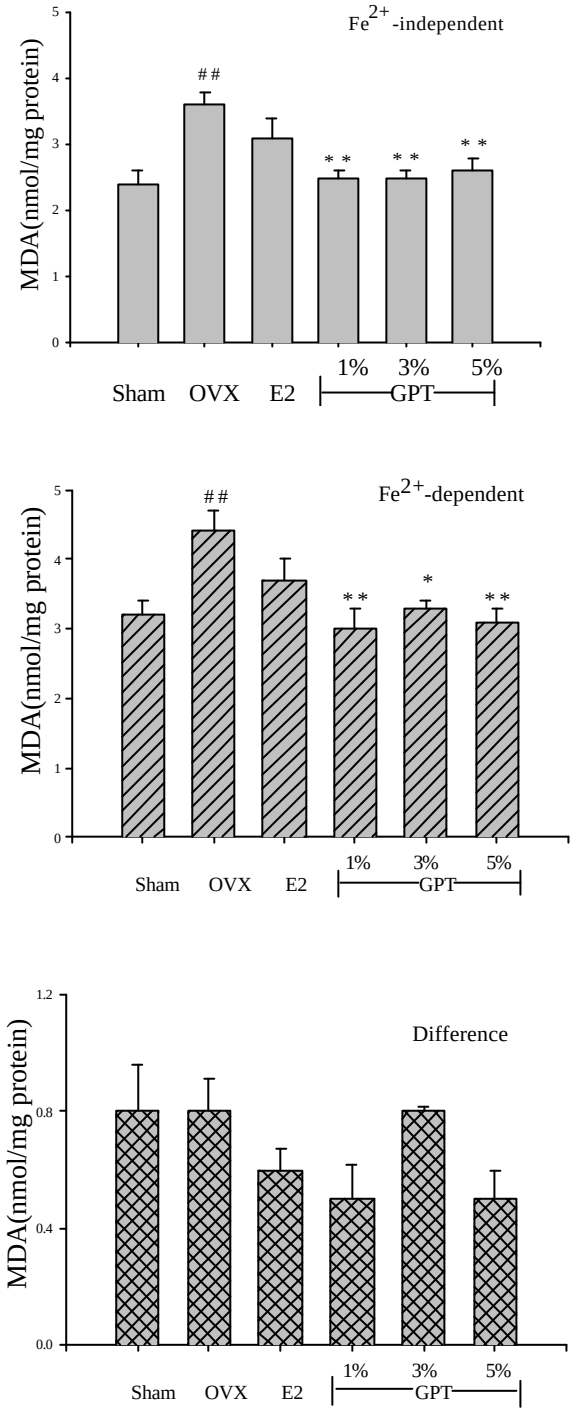

Fig 3-8. Effect of 12 weeks adminstration GPT on the Fe^{+2}-independent ,Fe^{+2}-dependent lipid peroxidation and their difference in Liver in ovariectomized rats. Data are means ± S.E.(n = 9). $^{\#\#}P<0.01$ compared with sham operated group. * $P<0.05$, ** $P<0.01$ compared with OVX group. OVX: ovariectomized group ; E2 : OVX+17 β -estrdiol group

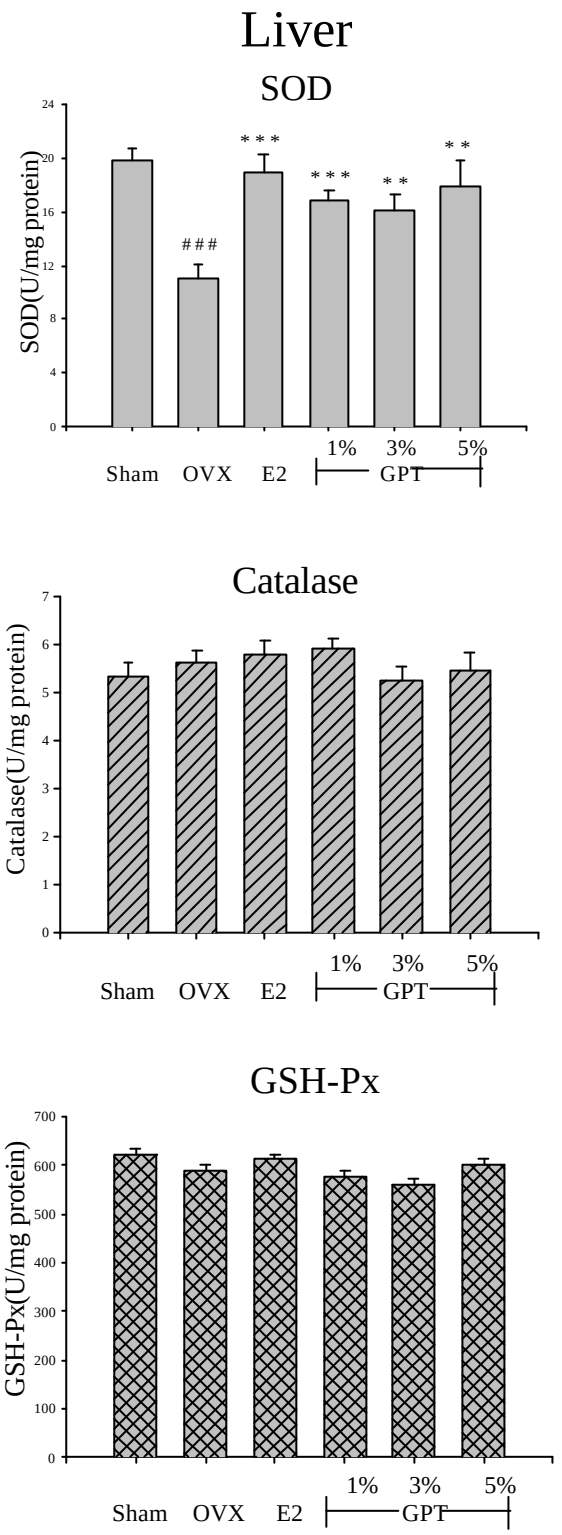

Fig 3-9. Effect of GPT on activities of SOD, catalase and GSH-Px in the liver of ovariectomized rats. Data are means ± S.E.(n = 9). $^{###}P<0.001$ compared with sham operated group. **P<0.01, ***P<0.001 compared with OVX group. OVX: ovariectomized group ; E2 : OVX+17 β -estradiol group