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# Biochemical, histopathological and behavioral changes after single and repeated inhalation of a local Egyptian glue.

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## Abstract:

Single inhalation of the local Egyptian glue [Kolla] leads to remarkable decrease in brain GABA levels; which is less remarkable after repeated inhalation. Kolla single and repeated inhalation increased both dopamine and 5HT brain levels. Single and repeated inhalation of Kolla produces remarkable increase in serum liver enzymes, urea and Creatinine. Inhalation of Kolla caused no obvious effect on reference or working memory. Kolla (5000 ppm) did not affect unconditioned or conditioned reflexes. In a concentration of 10,000ppm it caused loss of both reflexes. Repeated daily inhalation of Kolla displayed marked histopathological changes in brain tissues

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