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Effect of herbal extract of the *Viola odorata* on morphogenesis of mice

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The *Viola odorata* is a species of the genus *viola*, native to America and Australia. The herb has been used in our country from past till now but recently prescribed in migration encouraged us study effect of this herb and survey the probably teratogenic effect on morphogenesis of mice. In this study four group of adult mice Balb/c female received herbal extract daily in four concentration. 2.5, 12.5 and 25 mg in 0.25 ml distilled water by oral gavage. The control group only received distilled water (0.25 ml) in gastrulation period (6-15 pregnancy). After killing maternal mice the fetuses were first studied microscopically regarding gross anomalies and then histologically and clearing method to survey malformation in organ and skeletal system. We didn't see any malformation in low dosages but we saw bleeding in abdominal region and around the heart and respiratory system in upper dosage. Comparing this result with control group indicated that the high dosage of this herb maybe has the ability to produce malformation.