LONG-TERM EFFECT OF DEVELOPMENTAL EXPOSURE TO CHLORPYRIFOS ON HYPOTHALAMIC OXITOCIN AND VASOPRESSIN LEVELS IN MICE



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ABSTRACT

INTRODUCTION

chavioral and neural alterations have been extensively documented in rats of bubblishies exposures notably in absonce of significant brain ADRI himilities (15 of their order of the superior of the superior









MATERIALS & METHODS

Animals and treatments
Pregnant CD1 mice (10/group) were treated with 0 (vehicle corn oil),
(GD) 15-18. Before, during and at the end of treatment, dam body we
After delivery, litters were reduced to 5 pups for each sex. Three subp
on PND 11-14 with: 0 (corn oil vehicle), 1 or 3 mg/kg/bw/dgy of CPF 1

MOPO MOP1 MOP3 M3PO M3P1 M3P3 M6P0 M6P1 M6P3

RESULTS

OXYTOCIN LEVELS

VASOPRESSIN LEVELS

AVP levels seem to show an inverse sexually dimorphic pattern of expression. Hypothalami of treated male mice present decreasing amount of AVP in an inverse dose related way. Fernale treated mice showed a slightly highe expression of AVP which increased in the higher post-harated doses (Fig. 18).





ROLACTIN LEVELS



Fig. 2 - Hean values for PRL levels in females derived by two int

DISCUSSION

REFERENCES