

# Alterations in fertility induced by unilateral intrauterine instillation of cytotoxic compounds in rats

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Cytotoxic agents, cadmium, iodoacetate, thio-TEPA, podophyllin, colchicine, and alcohol, were instilled in one uterine horn of the rat to observe their subsequent effect on fertility. Cadmium and iodoacetate interfere with implantation in both horns without altering ovulation for periods of 1 to 2 months. Thio-TEPA produces a unilateral effect for periods of 2 months. With alcohol this unilateral effect is prolonged. In every group histologic changes are detailed. Reversibility is complete in every group except the alcohol group. © 1968.