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# Use of cDNA chip for detecting the alteration of gene expression in Flutamide-treated rat testis

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For checking the effect of the famous anti-androgen Flutamide on testis, we treated Flutamide to_ rat with a concentration of 25 mg/kg body weight per day for 6 days and removed the testes 8 days after the first administration. We extracted total RNAs from vehicle-treated and Flutamide-treated rat testes for using them as a probe for cDNA chip hybridization. We tested 5,000 gene-embedded rat cDNA chip (2,500 known gene plus 2,500 ESTs)and normalized the hybridized signals. Generally most of genes are down regulated in Flutamide-treated rat testes with a strong correlationship in some cases. We discuss here that the rat cDNA chip is useful for rapidly detecting the alteration of gene expression of Flutamide-treated rat testes and possibly other EDC-treated species as well.