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Manuscript NO: 61093

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Basic Study

Promotive action of 2-acetylaminofluorene on hepatic precancerous lesions initiated by diethylnitrosamine in rats: Molecular study

2-Acetylaminofluorene promoted hepatic precancerous lesions

Abstract

BACKGROUND

Diethylnitrosamine (DEN) induces hepatic neoplastic lesions over a prolonged period.

AIM

Aim: This study investigated the promotive action of 2-acetylaminofluorene (2-AAF) when combined with DEN in order to develop a rat model for induction of

Promotive action of 2-acetylaminofluorene on hepatic precancerous



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Author: L. Tessitore, E. Bollito

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May 08, 2006 · **Experimental** hepatocarcinogenesis can be induced by various chemical carcinogens, like **diethylnitrosamine** (DEN), **2-acetylaminofluorene** (2-AAF), aflatoxin B1, etc. Numerous studies have focussed on a series of microscopic **lesions** called "foci" and "nodules" which have been designated "preneoplastic" or "premalignant" (Pitot, 1990 ...

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May 06, 1980 · In this **study** **2-acetylaminofluorene** was fed at a level of 0.02% for 18 days to male weanling albino Sprague-Dawley **rats**. Following the feeding **of 2-acetylaminofluorene**, one group of animals was maintained on the control diet while several other groups were placed on diets containing 0.05% phenobarbital.

Cited by: 727

Author: Henry C. Pitot, Alphonse E. Sirica

Publish Year: 1980

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May 08, 2006 · Hepatocarcinogenesis was induced in male Sprague–Dawley rats by **chronic feeding** of **2-acetylaminofluorene** (0.05% in basal diet) on and from week 4. **Vanadium administration** throughout the experiment reduced the relative liver weight, nodular incidence (66.70%), total number and multiplicity (79.93%) and restored **hepatic levels** of selenium (Se) ...

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