

- 9) Kohno, H , Yasui, Y , Suzuki, R , Hosokawa, M , Miyashita, K , Tanaka, T Dietary seed oil rich in conjugated linolenic acid from bitter melon inhibits azoxymethane-induced rat colon carcinogenesis through elevation of colonic PPARgamma expression and alteration of lipid composition Int J Cancer, 110 896-901, 2004
- 10) Kohno, H , Suzuki, R , Sugie, S , Tsuda, H , Tanaka, T Lack of modifying effects of 4-*tert*-octylphenol and benzyl butyl phthalate on 3,2-dimethyl-4-aminobiphenyl-induced prostate carcinogenesis in rats Cancer Sci , 95 300-305, 2004

2 学会発表  
省略

H 知的所有権の取得状況

- 1 特許取得 なし
- 2 実用新案登録 なし
- 3 その他 なし

図1. 慢性毒性試験♂ - 平均体重の推移

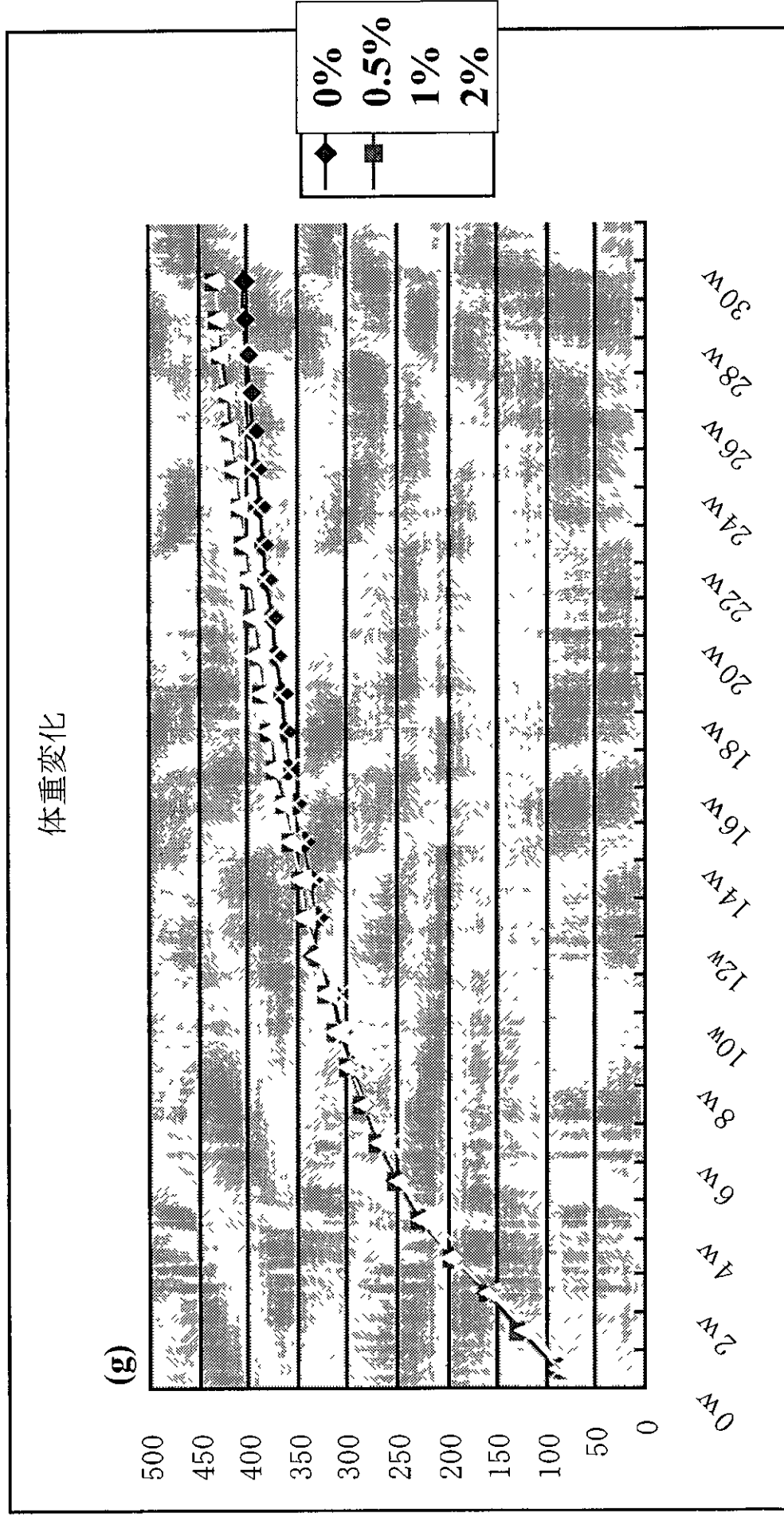


図2. 慢性毒性試験♀ - 平均体重の推移

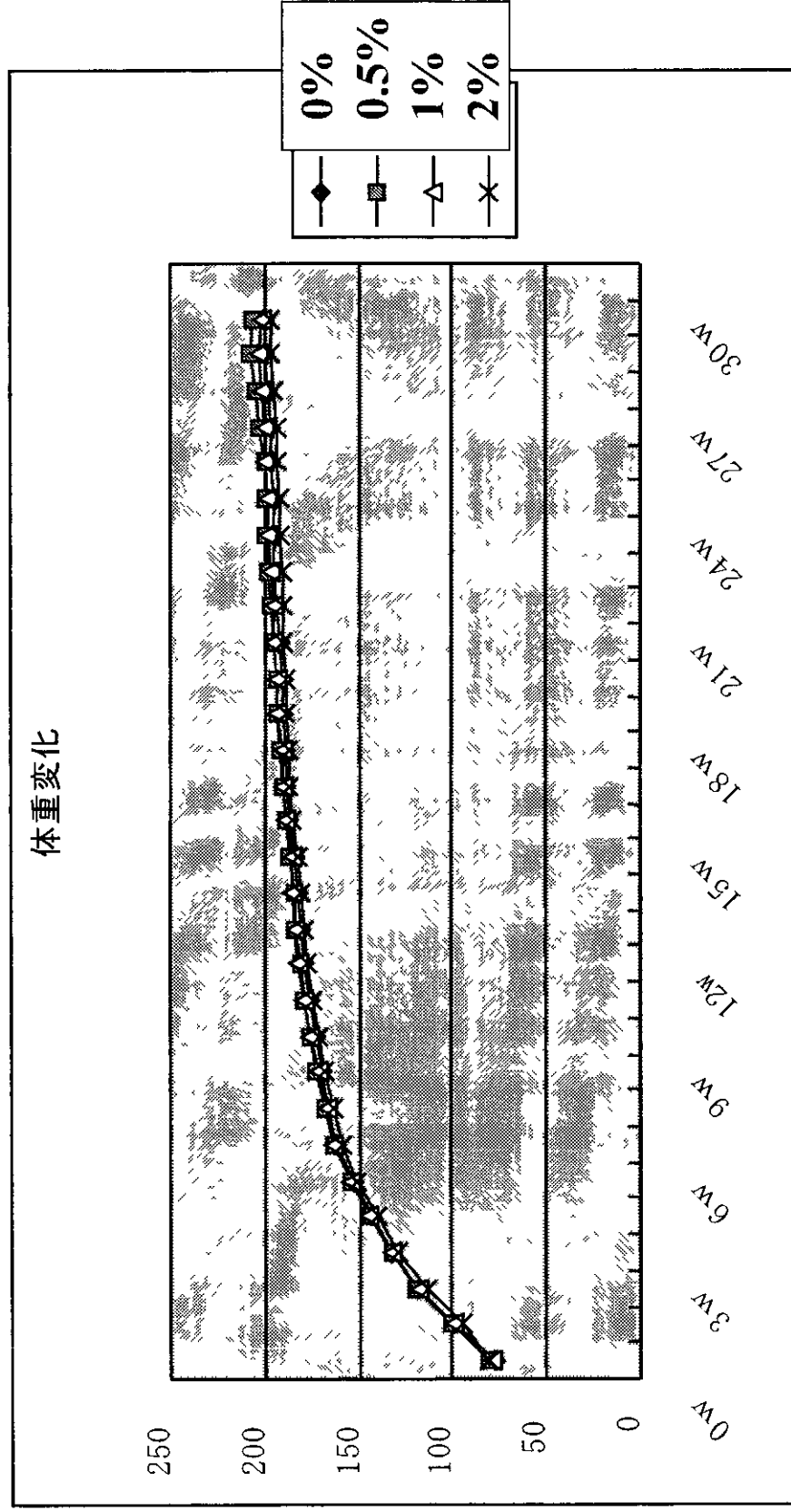


図3. 慢性毒性試験♂ - 1日平均摂餌量/ラット

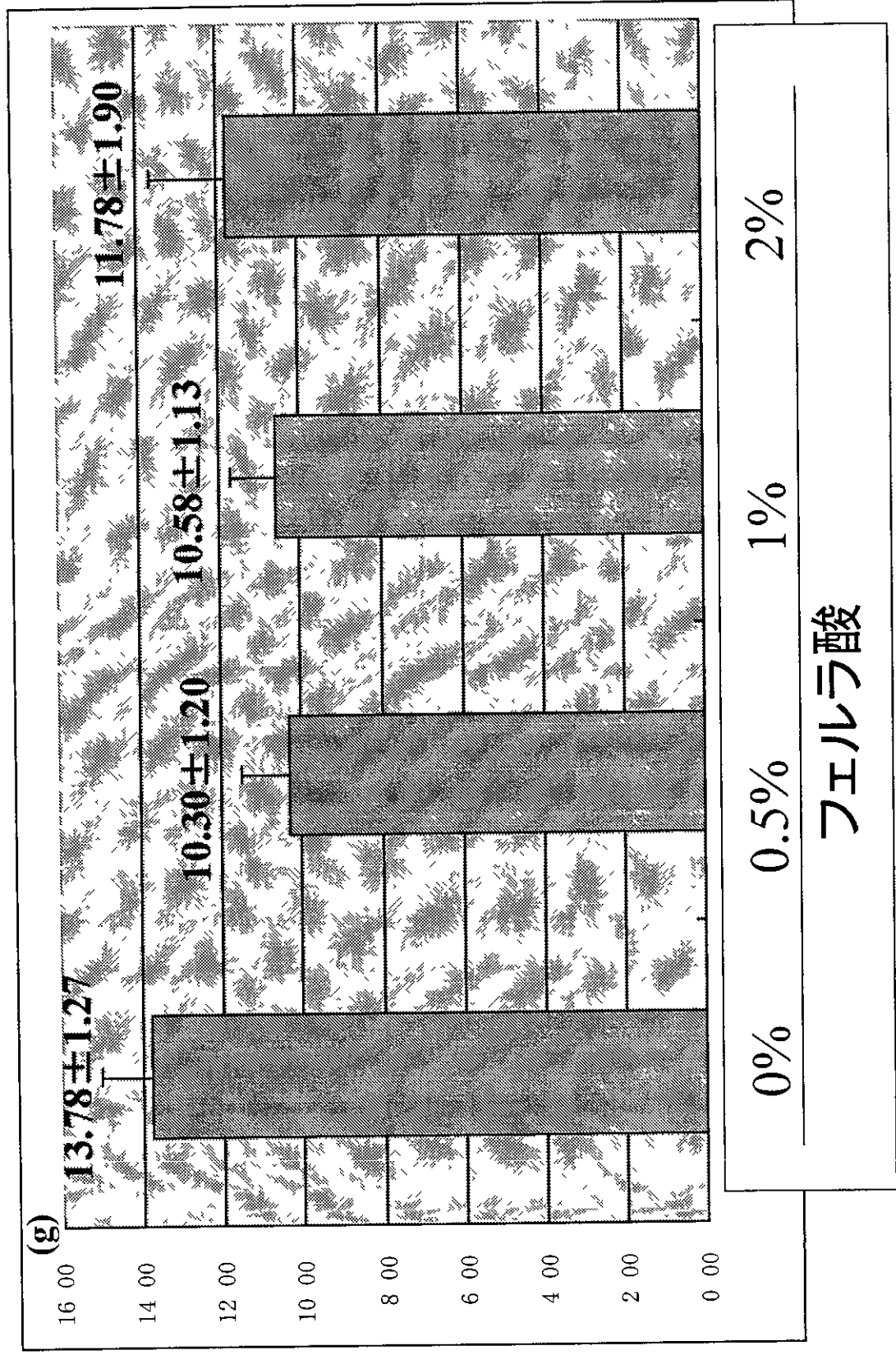


図4. 慢性毒性試験♀ - 1日平均摂餌量/ラット

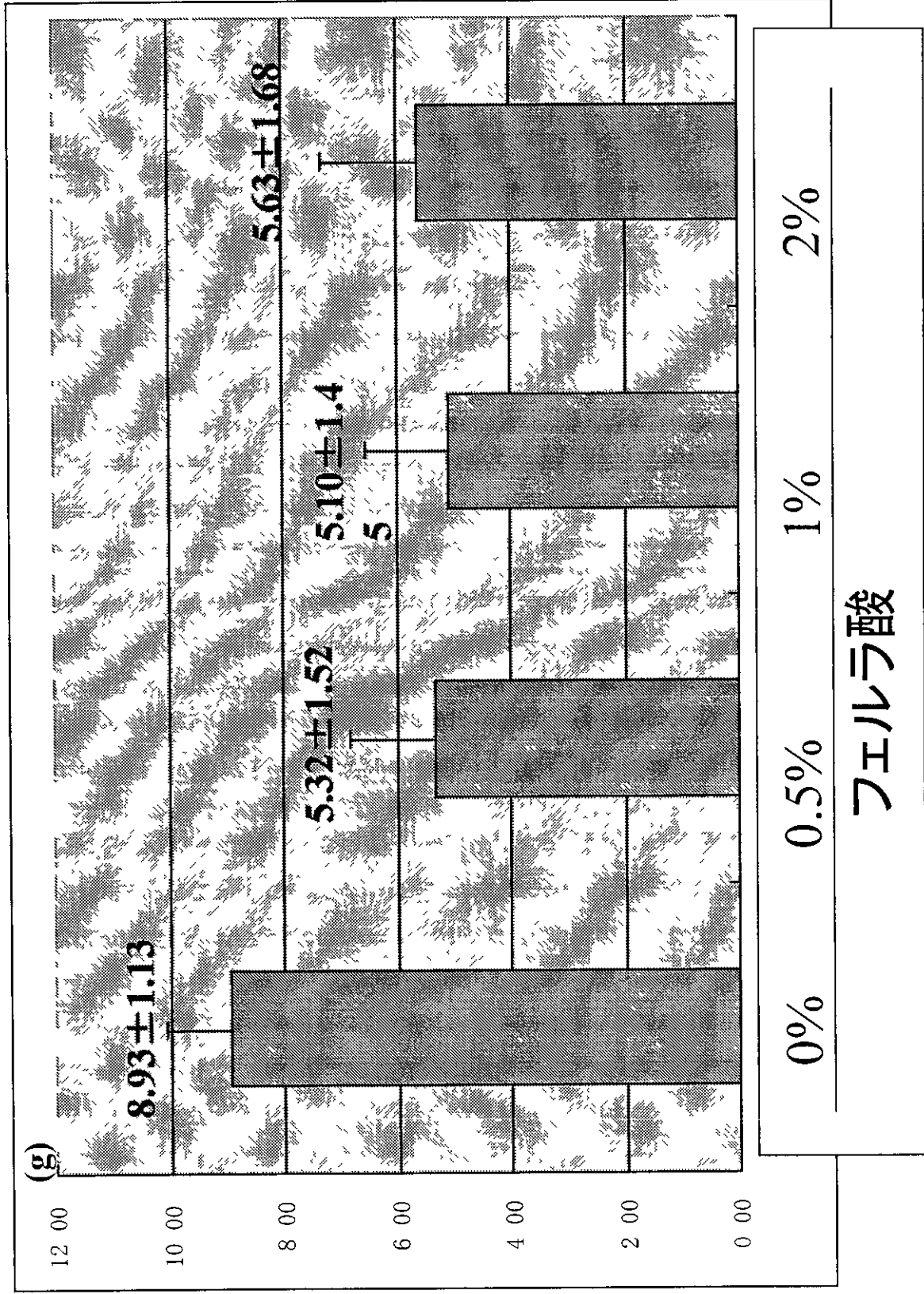


図5. 発がん性試験♂ - 平均体重の推移

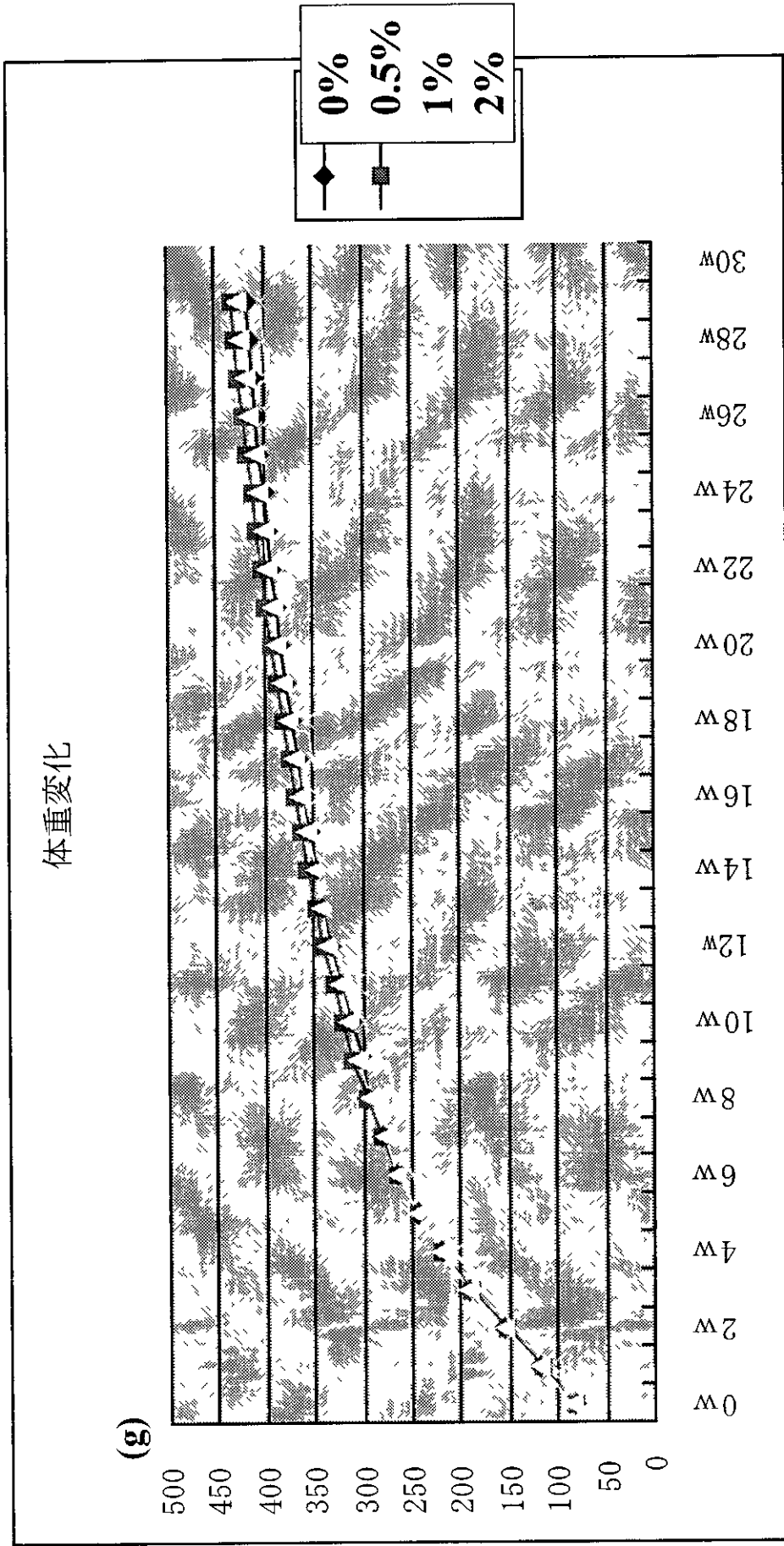


図6. 発がん性試験♀ - 平均体重の推移

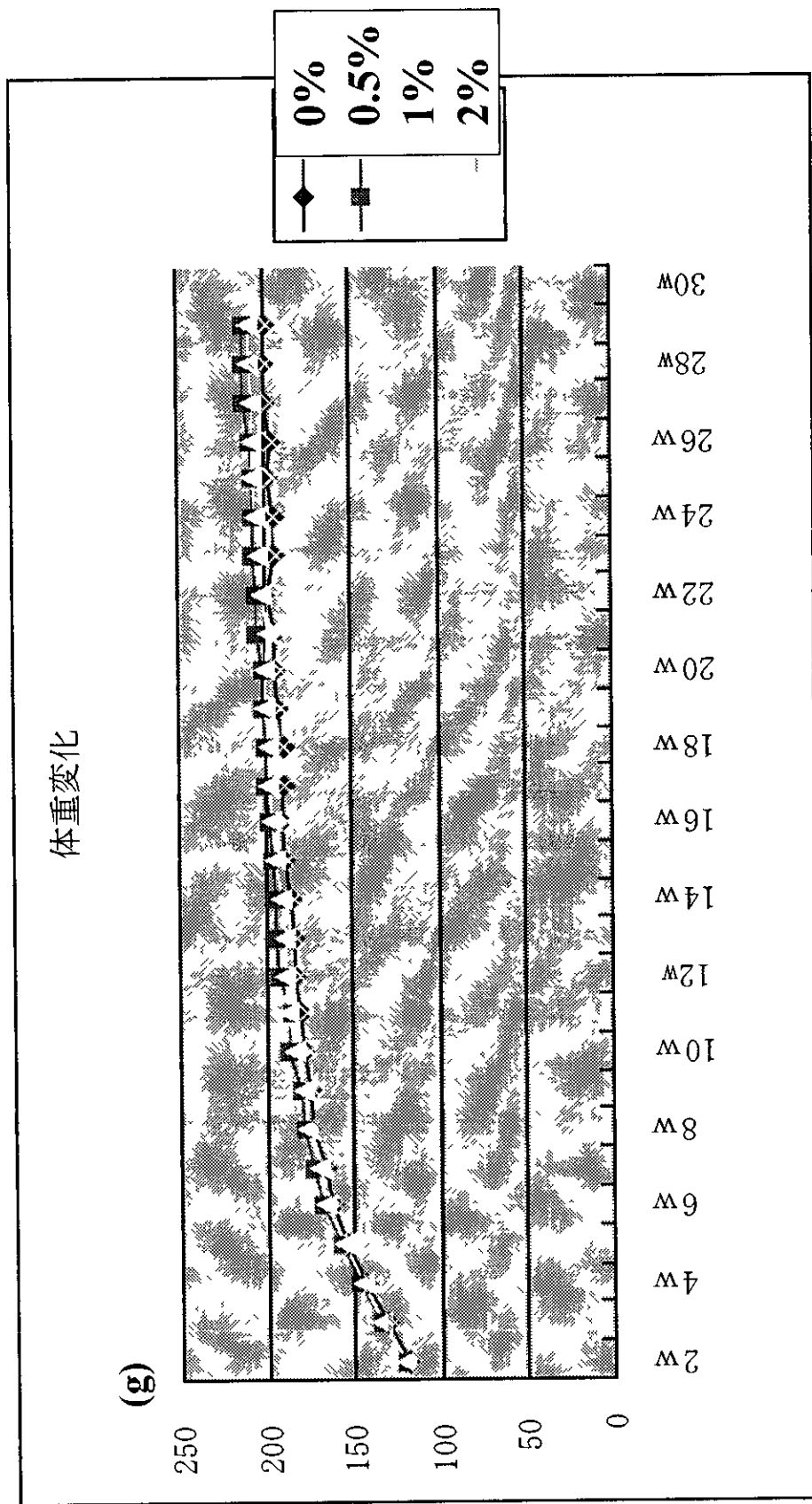




図7. 発がん性試験♂ - 1日平均摂餌量/ラット

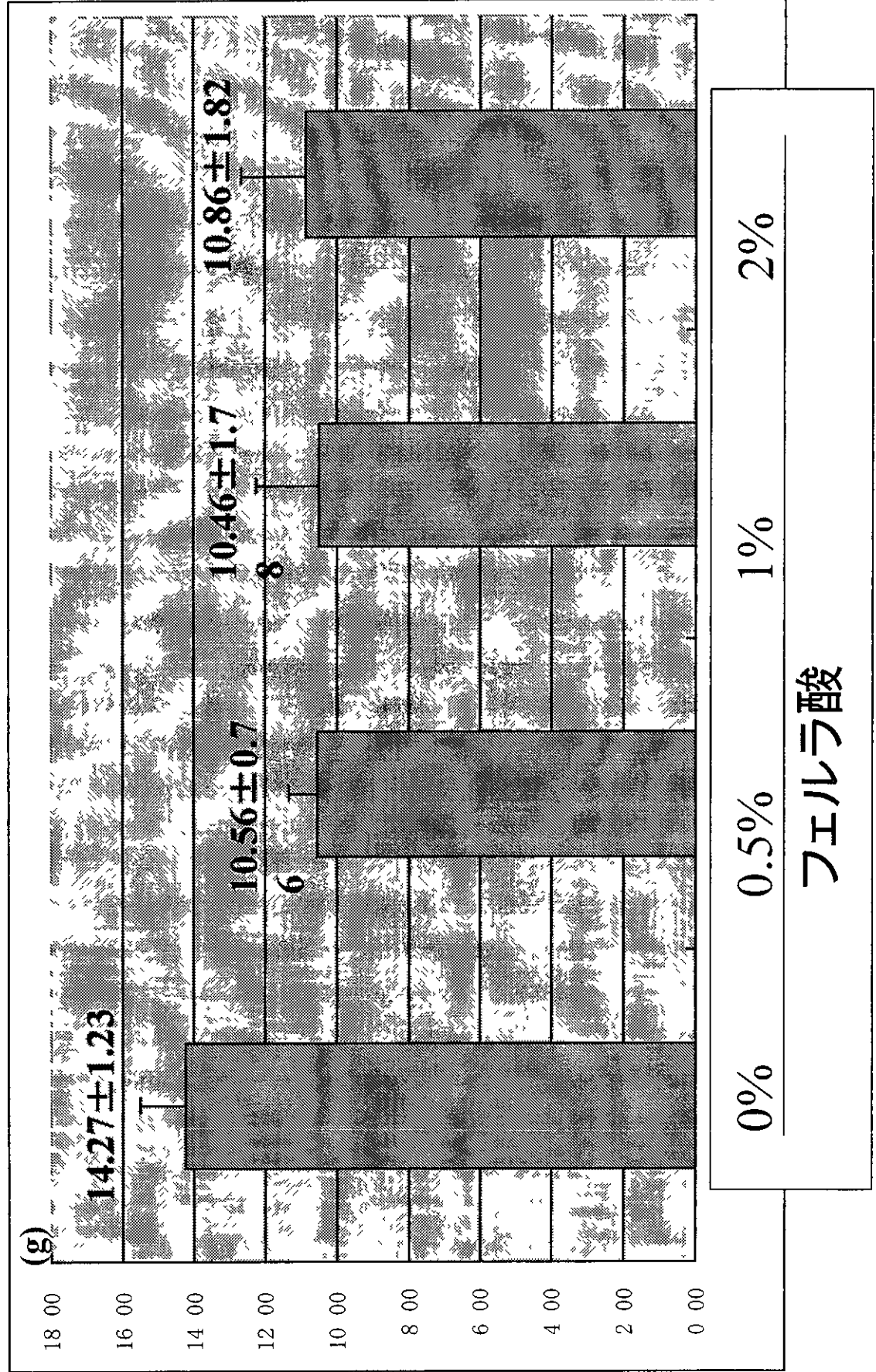
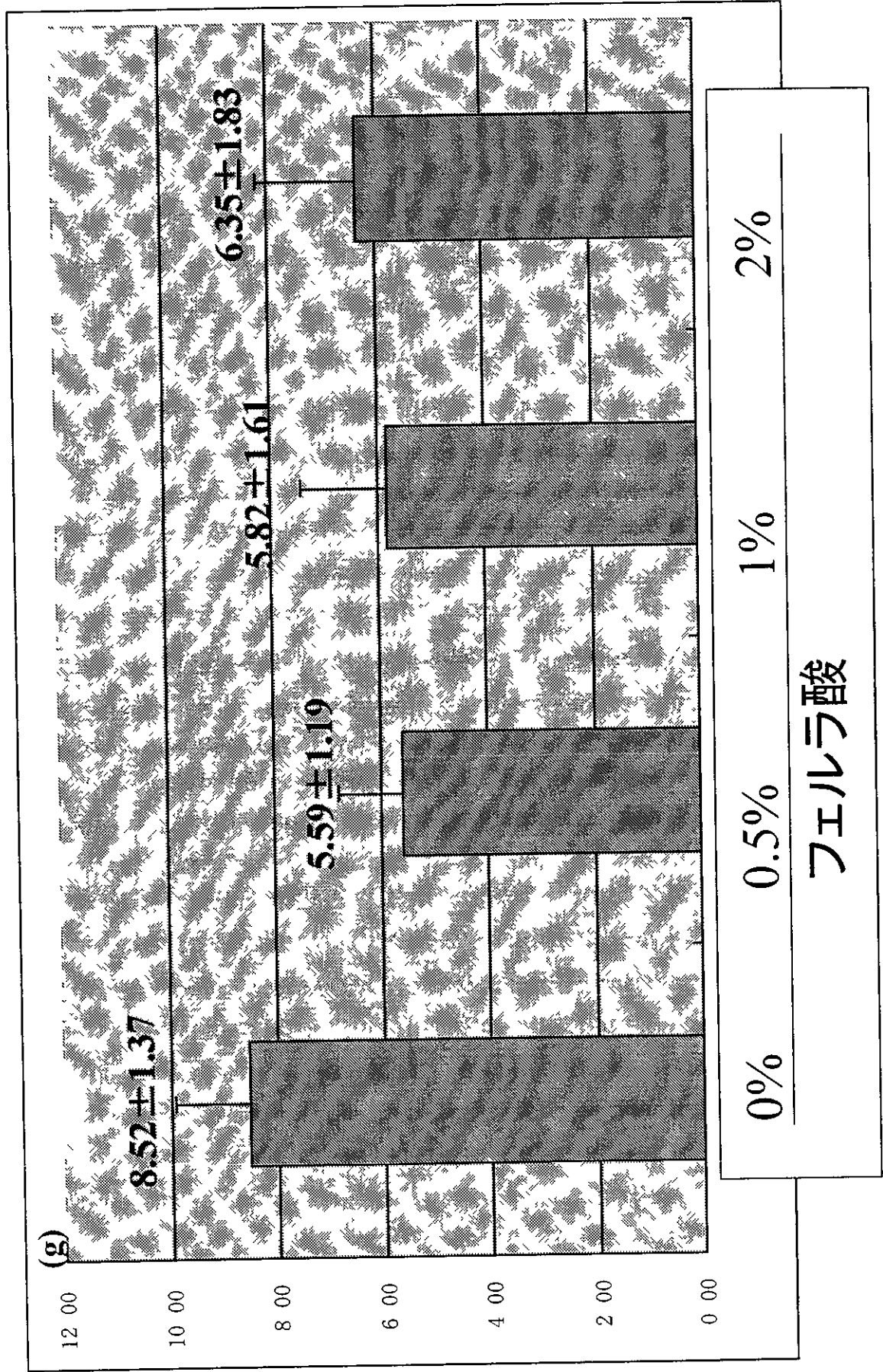




図8. 発がん性試験♀ - 1日平均摂餌量/ラット



## 研究成果の刊行に関する一覧表

発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年
Mori, Y, Koide, A , Kobayashi, Y, Furukawa, F, Hirose, M , <u>Nishikawa, A</u>	Effects of cigarette smoke and a heterocyclic amine, MeIQx on cytochrome P-450, mutagenic activation of various carcinogens and glucuronidation in rat liver	Mutagenesis	18	87-93	2003
Son, H-Y, <u>Nishikawa, A</u> , Okazaki, K , Kanki, K , Yamagishi, M , Imazawa, T , Umemura, T , Hirose, M	Prolonged effects of $\beta$ -estradiol 3-benzoate on thyroid tumorigenesis in gonadectomized rats pretreated with <i>N</i> -bis(2-hydroxypropyl) nitrosamine	Cancer Lett	190	21-29	2003
Furukawa, F , <u>Nishikawa, A</u> , Lee, I-S , Kanki, K , Umemura, T , Okazaki, K , Kawamori, T , Wakabayashi, K , Hirose, M	A COX-2 inhibitor, nimesulide, inhibits post-initiation phase of <i>N</i> -nitrosobis(2-oxopropyl) amine-induced pancreatic carcinogenesis in hamsters	Int J Cancer	104	269-273	2003
Umemura, T , Kodama, Y, Kanki, K , Iatropoulos, M , <u>Nishikawa, A</u> , Hirose, M , Williams, G M	Pentachlorophenol (but not phenobarbital) promotes intrahepatic biliary cysts induced by diethylnitrosamine to cholangio cystic neoplasms in B6C3F1 mice possibly due to oxidative stress	Toxicol Pathol	31	10-13	2003
Yamagishi, M , Natsume, M , Osakabe, N , Okazaki, K , Furukawa, F , Imazawa, T , <u>Nishikawa, A</u> , Hirose, M	Chemoprevention of lung carcinogenesis by cacao liquor proanthocyanidins in a male rat multi-organ carcinogenesis model	Cancer Lett	191	49-57	2003

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Umemura, T , Kai, S , Hasegawa, R , Kanki, K , Kitamura, Y , <u>Nishikawa, A.</u> , Hirose, M	Prevention of dual promoting effects of pentachlorophenol, an environmental pollutant, on diethylnitrosamine- induced hepato- and cholangiocarcinogenesis in mice by green tea infusion	Carcinogenesis	24	1105- 1109	2003
Kanki, K , <u>Nishikawa, A.</u> , Furukawa, F , Kitamura, Y , Imazawa, T , Umemura, T , Hirose, M	A 13-week subchronic toxicity study of paprika color in F344 rats	Food Chem Toxic	41	1337- 1343	2003
Okazaki, K.,, Umemura, T , Imazawa, T , <u>Nishikawa, A.</u> , Masegi, T , Hirose, M	Enhancement of urinary bladder carcinogenesis by combined treatment with benzyl isothiocyanate and <i>N</i> -butyl- <i>N</i> -(4- hydroxybutyl)nitrosamine in rats after initiation	Cancer Sci	94	948-952	2003

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Imazawa, T , <u>Nishikawa, A.</u> , Toyoda, K , Furukawa, F , Mitsui, M , Hirose, M	Sequential alteration of apoptosis, <i>p53</i> expression, and cell proliferation in the rat pancreas treated with 4-hydroxyaminoquinoline 1-oxide	Toxicol Pathol	31	625-631	2003
Masumura, K , Horiguchi, M , <u>Nishikawa, A.</u> , Umemura, T , Kanki, K , Kanke, Y , Nohmi, T	Low dose genotoxicity of 2-amino-3,8-dimethylimidazo[4,5- <i>f</i> ]quinoxaline (MeIQx) in <i>gpt</i> delta transgenic mice	Mutat Res	541	91-102	2003
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Son, H-Y , <u>Nishikawa, A.</u> , Okazaki, K , Lee, K , Imazawa, T , Hirose, M	Lack of modifying effects of atrazine and/or tamoxifen on thyroid carcinogenesis in rats pretreated with <i>N</i> -bis(2- hydroxypropyl)nitrosamine (DHPN)	Food Chem Toxicol	41	1811- 1816	2003
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Umemura, T, Kitamura, Y, Kanki, K, Maruyama, S, Okazaki, K, Imazawa, T, Nishimura, T, Hasegawa, R, <u>Nishikawa, A.</u> , Hirose, M	Dose-related changes of oxidative stress and cell proliferation in kidneys of male and female F344 rats exposed to potassium bromate	Cancer Sci	95	393-398	2004
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<u>Tanaka, T.</u> , Kohno, H, Nomura, E, Taniguchi, H, Tsuno, T, Tsuda, H	A novel geranylated derivative, ethyl 3(4'-geranyloxy-3'-methoxyphenyl)-2-propenoate, synthesized from ferulic acid suppresses carcinogenesis and inducible nitric oxide synthase in rat tongue	Oncology	64	166-175	2003
Kohno, H, Sugie, S, Vinh, P Q, Mori, H,	Cancer chemoprevention by silymarin	Res Adv Cancer	3	55-66	2003

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Suzuki, R, Kohno, H, Sugie, S, Sasaki, K, Yoshimura, T, Wada, K, <u>Tanaka, T</u>	Preventive effects of extract of leaves of ginkgo ( <i>Ginkgo biloba</i> ) and its component bilobalide on azoxymethane-induced colonic aberrant crypt foci in rats	Cancer Lett	210	159-169	2004
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Kohno, H, Yasui, Y, Suzuki, R, Hosokawa, M, Miyashita, K, <u>Tanaka, T</u>	Dietary seed oil rich in conjugated linolenic acid from bitter melon inhibits azoxymethane-induced rat colon carcinogenesis through elevation of colonic PPAR $\gamma$ expression and alteration of lipid composition	Int J Cancer	110	896-901	2004
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R , Sugie, S , Tsuda, H , <u>Tanaka, T</u>	4- <i>tert</i> -octylphenol and benzyl butyl phthalate on 3,2-dimethyl-4- aminobiphenyl-induced prostate carcinogenesis in rats				
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