

Animals : 160 SD female rats, 7-wk-old ↓ : DMBA 100mg/kg bw. ∇ : OVX

BD : Basal diet

EB : 0.5mg β-Estradiole 3-benzoate in cholesterol pellet (EB) 皮下埋植、1/4 wks.

MXC : 1000ppm Methoxychlor in diet

図 1 . Estradiol と Methoxychlor のラット乳腺腫瘍の発生と増殖に及ぼす影響を検討するための実験計画

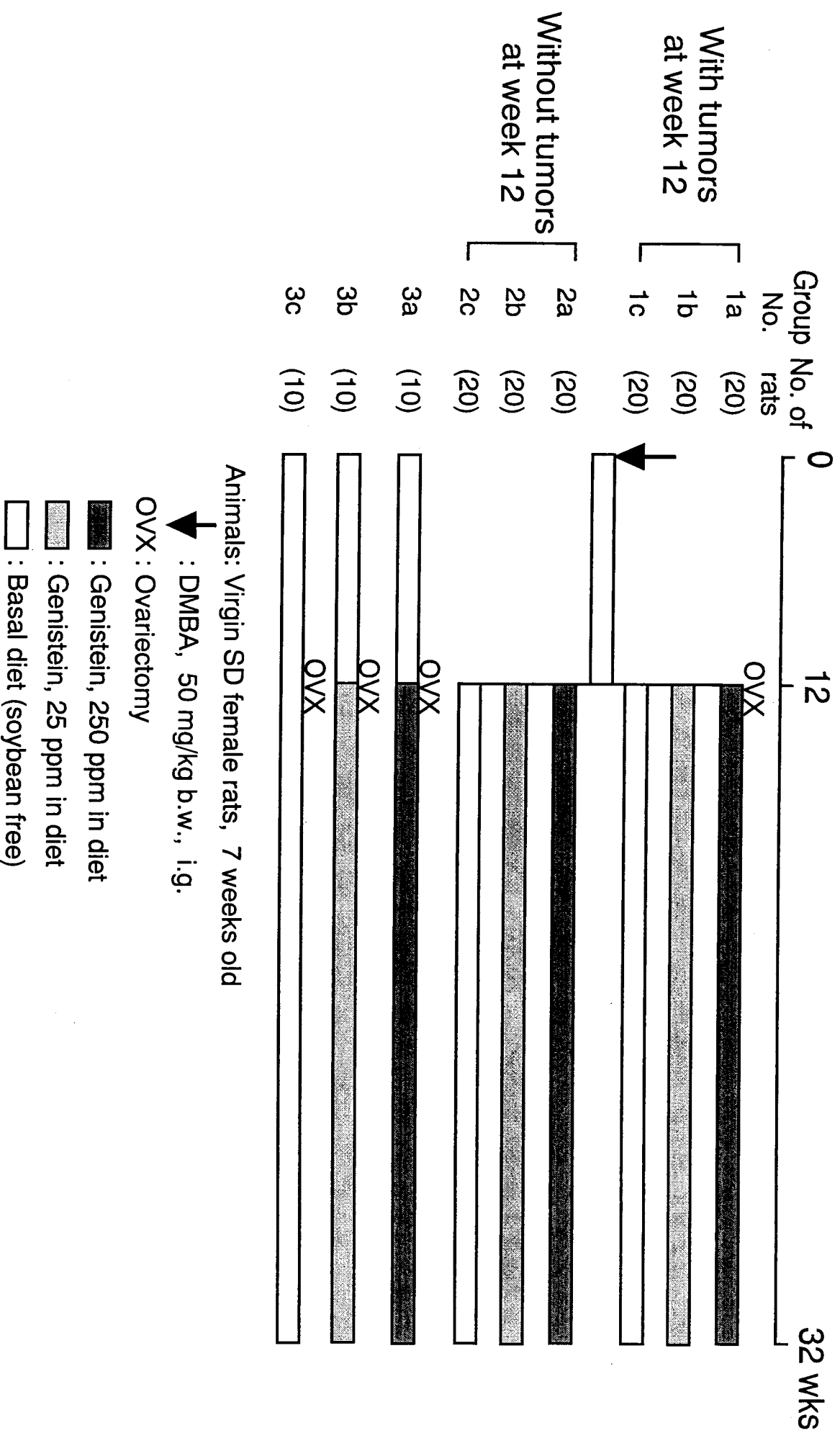


図 2. Genistein のラット乳腺腫瘍発生と増殖に対する影響を検討するための実験計画

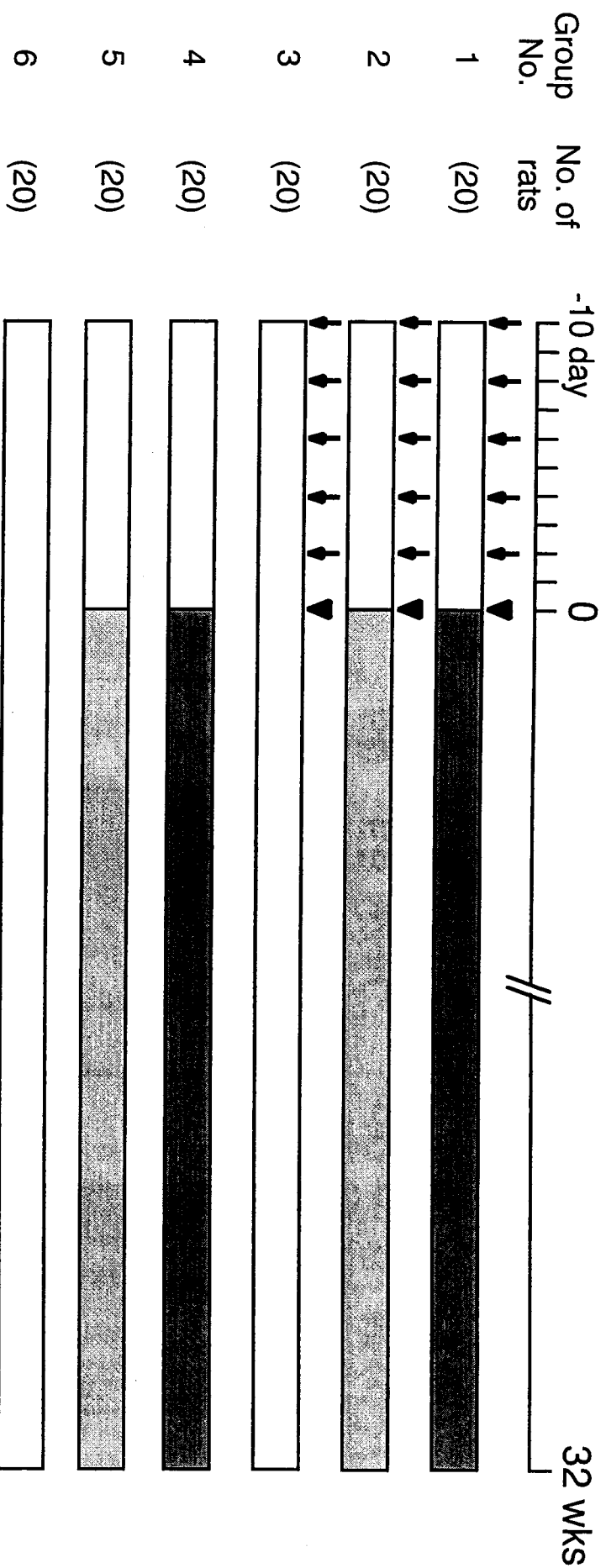


図3. nonylphenolのラット乳腺発がんに対する影響を検討するための実験計画

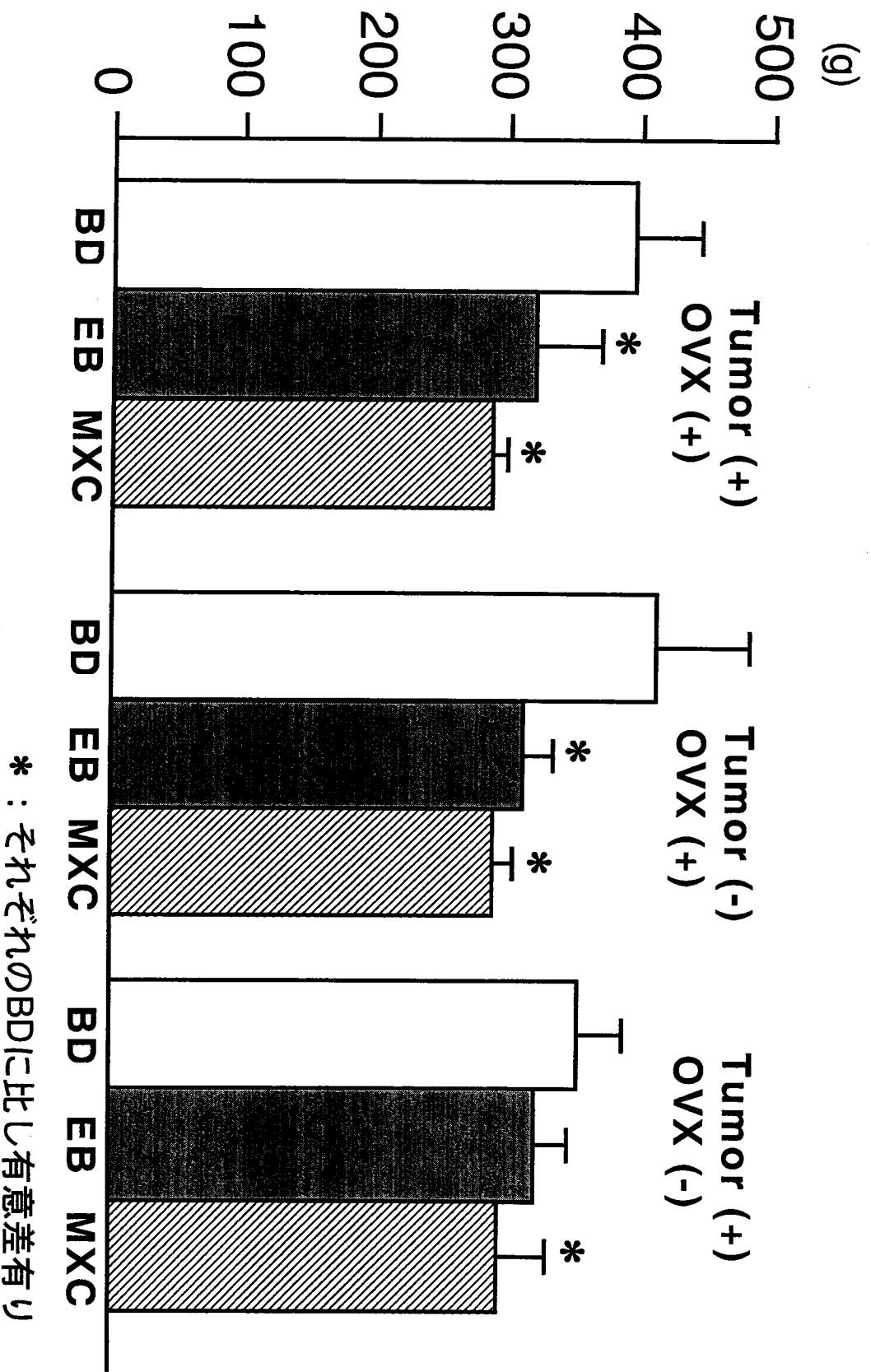


図4. 実験終了時の体重

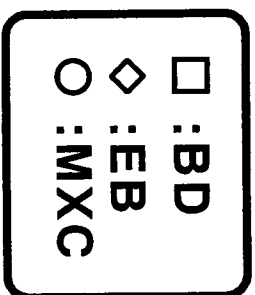
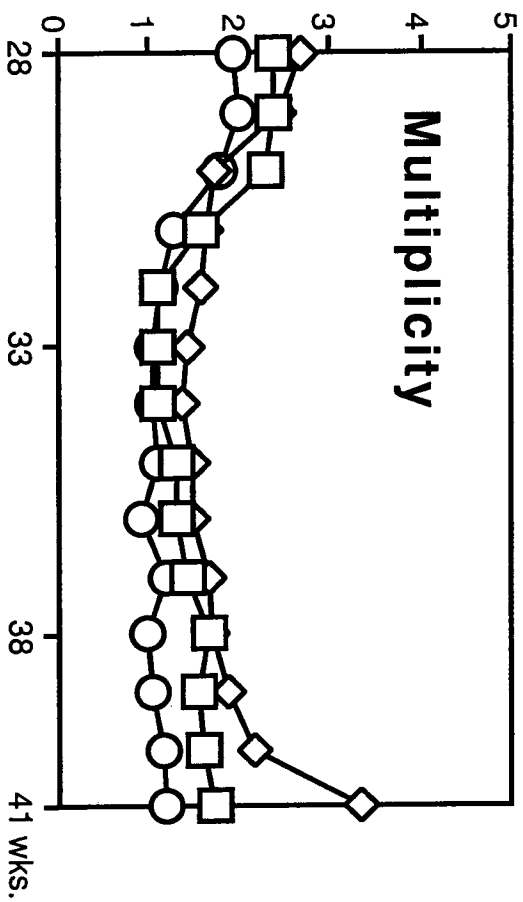
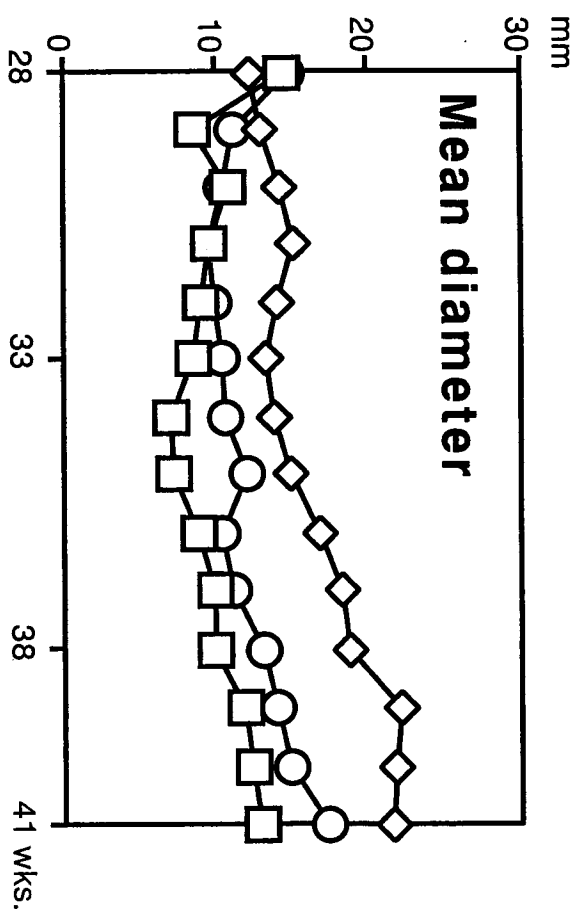
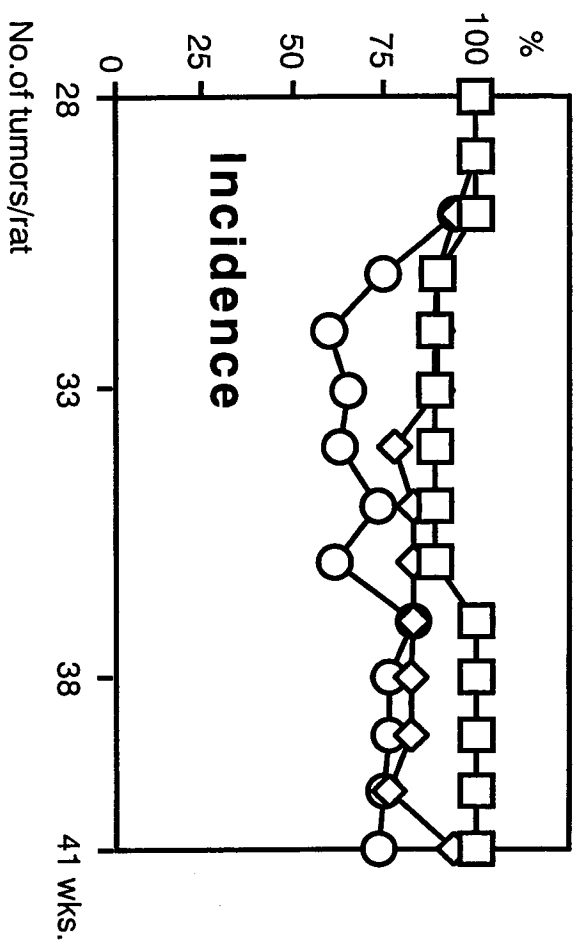


図 5. Tumor (+), OVX (+) 群におけるEBないしMXC投与後の乳腺腫瘍の推移

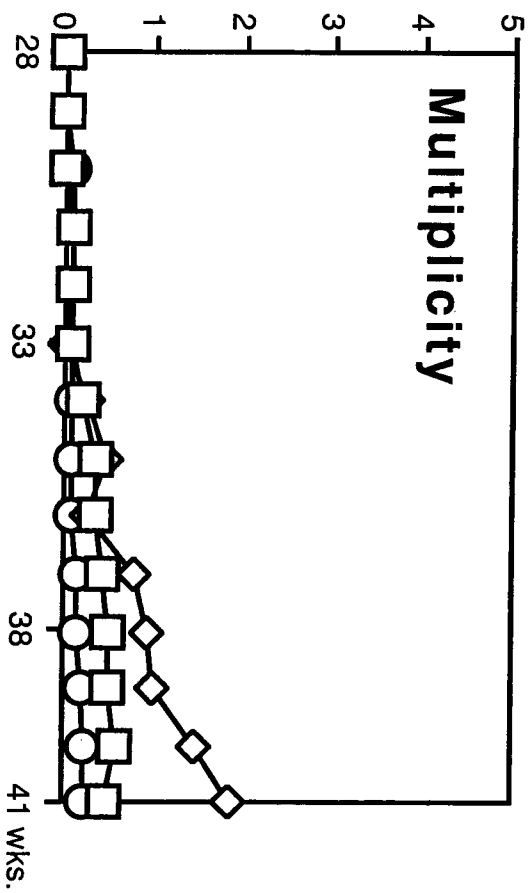
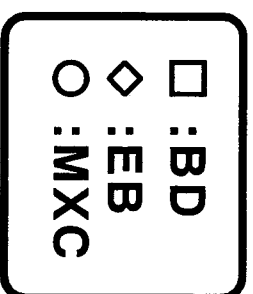
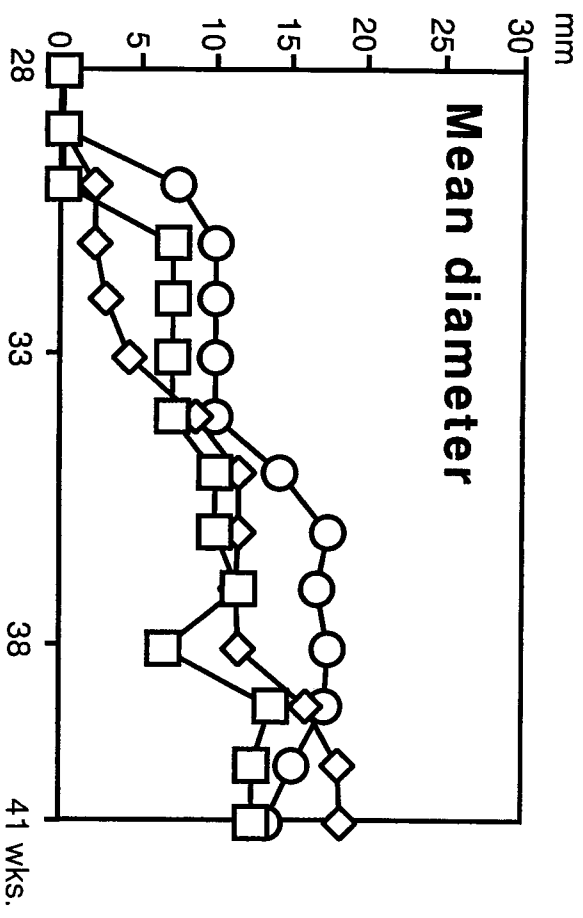
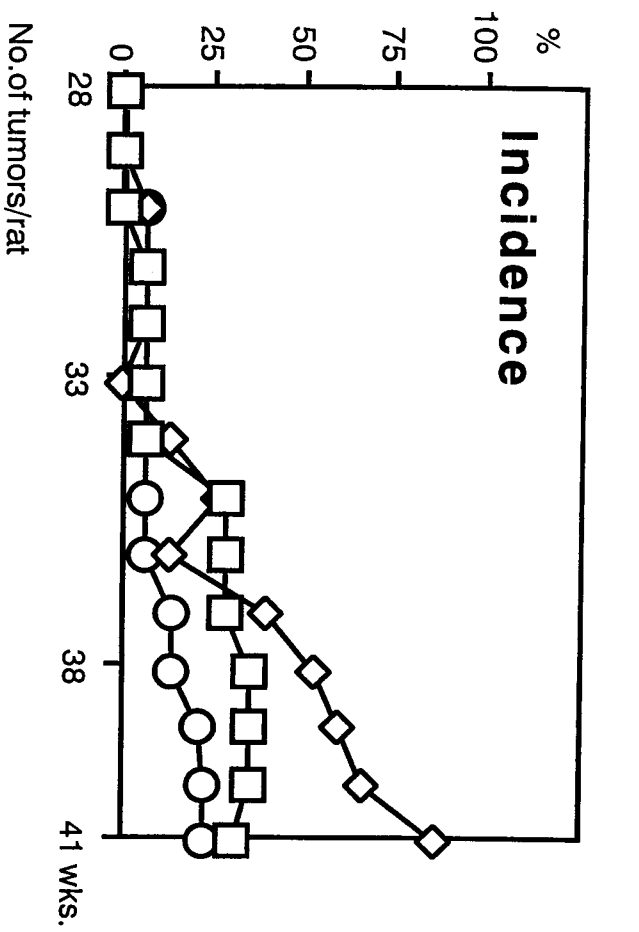


図 6. Tumor (-), OVX (+) 群におけるEBないしMXC投与後の乳腺腫瘍の推移

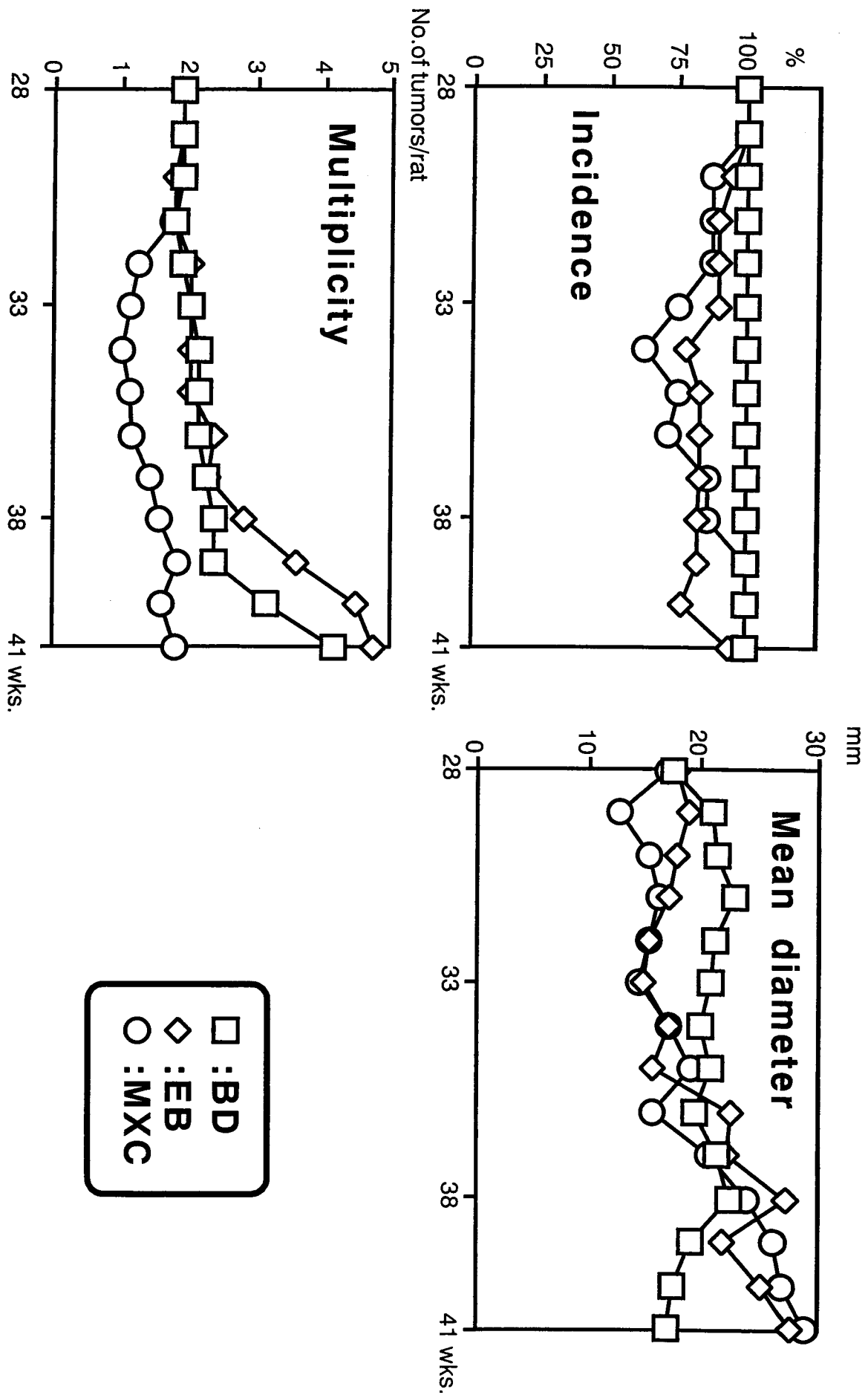


図 7. Tumor (+), OVX (-) 群におけるEBないしMXC投与後の乳腺腫瘍の推移

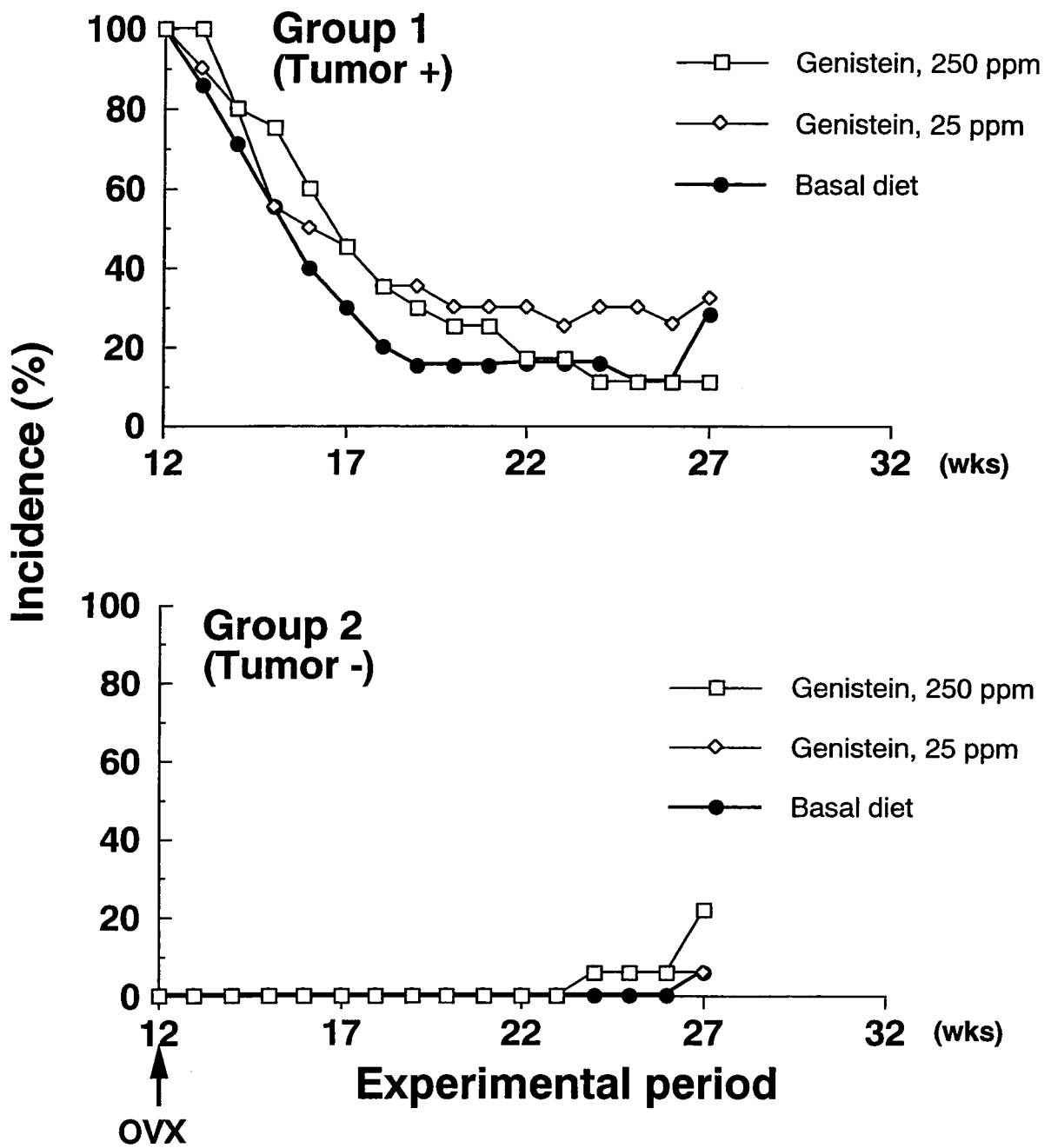


図 8. Genistein投与後の乳腺腫瘍発生頻度の推移

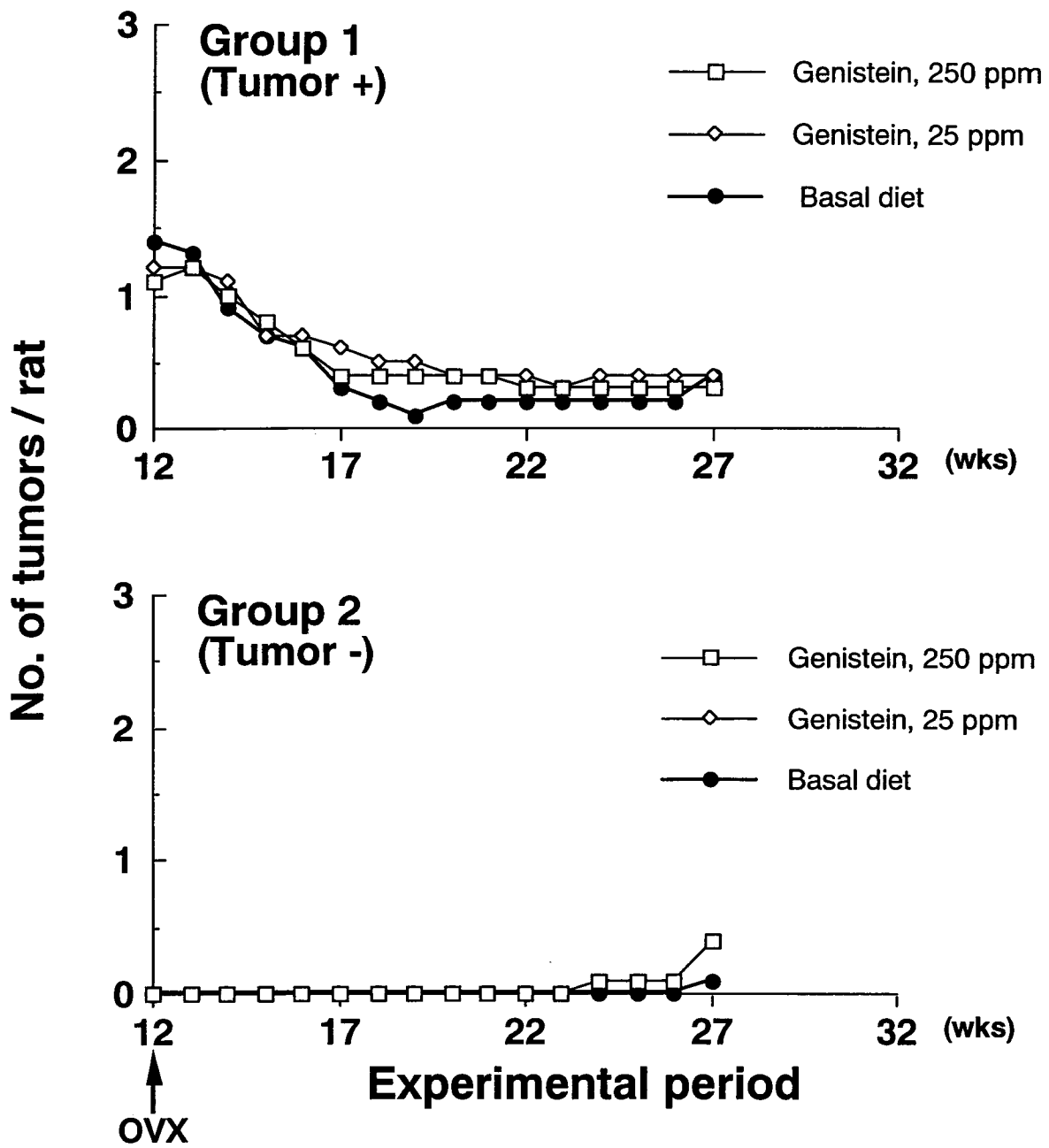


図 9 . genistein投与後の乳腺腫瘍発生個数の推移

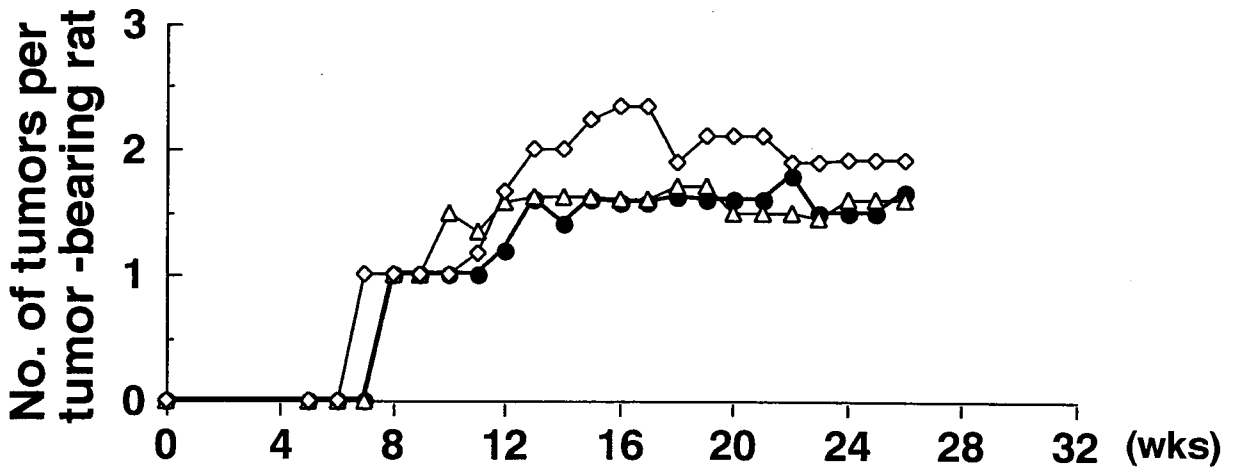
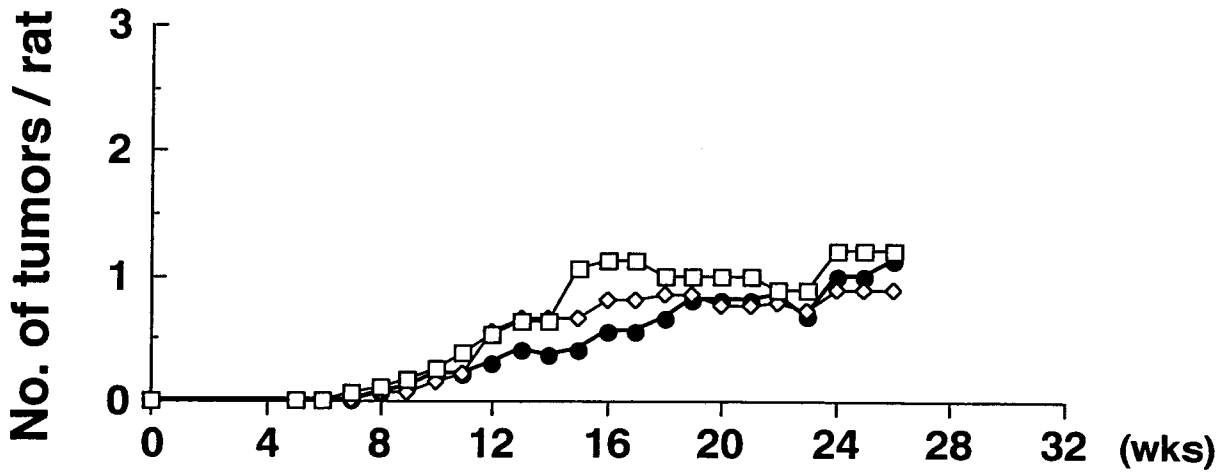
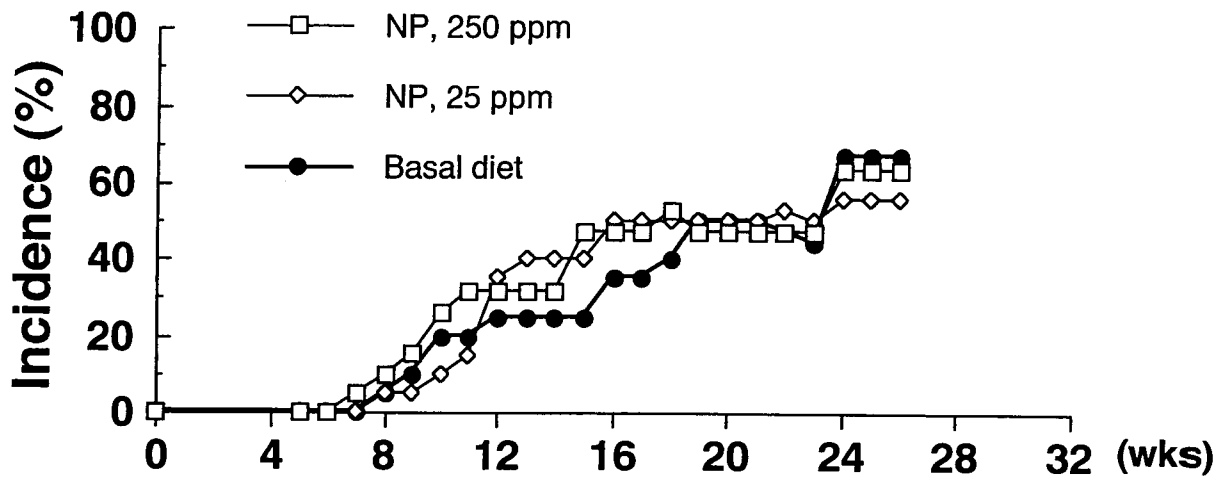


図10. nonylphenol投与後の乳腺腫瘍の推移

表 1. 最終屠殺時の乳腺腫瘍の病理組織学的検索結果

Tumor O VX	Treatment	Chem.	No. of rats	Adenoma/Fibroadenoma		Carcinoma		Combined	
				Incidence	No./rat	Incidence	No./rat	Incidence	No./rat
(+)	(+)	BD	8	2 (25)	0.4±0.7	3 (38)	0.5±0.8	4 (50)	0.9±0.5
(+)	(+)	EB	17	14 (79)*	7.4±8.3#	17 (100)*	7.4±8.3#	17 (100)*	8.8±9.3#
(+)	(+)	MXC	14	5 (36)	0.3±0.7	13 (93)*	1.3±1.3	11 (79)	1.6±1.6
(-)	(+)	BD	8	1 (13)	0.1±0.4	2 (25)	0.4±0.7	3 (38)	0.5±0.8
(-)	(+)	EB	14	4 (29)	1.1±1.8	12 (86)*	5.3±5.8	14 (100)*	6.7±6.2#
(-)	(+)	MXC	13	0	0	3 (23)	0.3±0.6	3 (23)	0.3±0.6
(+)	(-)	BD	7	3 (43)	1.3±2.2	7 (100)	7.7±3.7	7 (100)	9.0±5.0
(+)	(-)	EB	4	1 (25)	0.5±1.0	4 (100)	13.8±11.3	4 (100)	14.3±10.7
(+)	(-)	MXC	4	1 (25)	0.3±0.5	4 (100)	1.8±0.5#	4 (100)	2.0±0.8#

* : それぞれのBDに比し発生率で有意差有り

: それぞれのBDに比し発生個数で有意差有り