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TECHNICAL REPORT
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業績報告書

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LIFE SPAN STUDY REPORT 11
PART 2. CANCER MORTALITY IN THE YEARS 1950-85 BASED ON THE RECENTLY REVISED DOSES (DS86)

寿命調査 第11報
第2部 新線量(DS86)における1950-85年の死亡率

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TABLE 2B SUMMARY MEASURES OF RADIAITON DOSE RESPONSE FOR CANCER MORTALITY BY SITE, FOR CERTAIN SPECIFIC CANCERS; BOTH CITIES, BOTH SEXES, ALL AGES ATB, 1950-85 (SHIELDED KERMA)

表2B 特定の癌に関する，死因別死亡率における放射線線反応の総括尺度：両市，両性，全被爆時年齢，1950-85年（遮蔽kerma）

Site of cancer	No. of deaths	Statistical test (P)†	Estimated RR at 1 Gy	Excess risk per 10^4 PYGy	Attributable risk (%)††
Liver including not specified as primary	590	0.02	1.24 (1.06, 1.47)	0.63 (0.17, 1.18)	7.02 (1.87, 13.2)
Kidney	38	0.18	1.58 (0.91, 2.94)	0.09 (-0.02, 0.26)	15.7 (-2.77, 43.3)
Bladder	90	0.003	2.13 (1.40, 3.28)	0.41 (0.16, 0.70)	23.6 (9.31, 40.8)
Tongue	26	0.40	0.83 (, 1.49)	-0.02 (, 0.06)	-5.35 (, 14.1)
Pharynx	23	0.61	0.83 (, 2.04)	-0.02 (, 0.09)	-6.14 (, 31.6)
Nose	44	0.58	0.84 (, 1.67)	-0.03 (, 0.12)	-4.04 (, 14.5)
Larynx	46	0.16	1.51 (0.95, 2.68)	0.10 (-0.01, 0.29)	13.4 (-1.47, 37.1)
Skin cancer except melanoma	21	0.69	1.17 (, 2.47)	0.02 (, 0.12)	5.60 (, 38.7)
Bone	27	0.65	1.22 (, 2.79)	0.02 (, 0.16)	6.56 (, 42.9)
Brain tumors	47	0.97	1.03 (0.51, 2.09)	0.01 (-0.12, 0.20)	1.0 (-13.0, 22.5)
Tumors of central nervous system (CNS) except brain	14	0.08	3.09 (1.06, 9.74)	0.10 (0.00, 0.24)	35.9 (1.4, 82.2)

Numbers in parentheses indicate a 90% confidence interval. 括弧内の数値は90%信頼区間を示す。

† p-value based on the test for increasing trend in radiation dose 放射線量の増加傾向の有意性に基づくP値

†† Based on 41,719 subjects exposed to 0.01+ Gy (average 0.295 Gy) 0.01Gy以上（平均0.295 Gy）に被曝した41,719人に基づく

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1 Gy = 100 rads

Excess per 10^4/PYGy = 0.01

For 1 10 rads and 30 years = 0.03 per 10,000 persons

i.e. < 1 extra brain cancer death.

3

Excess per 10^4/Ay Gy = 0.01
For: 10 rad and 30 years = 0.03 per 10,000 persons
i.e. < 1 extra brain cancer death.

FIGURE 1A RELATIVE RISK AT 1 Gy (SHIELDED KERMA) AND 90% CONFIDENCE INTERVAL, 1950-85

図1A 1 Gy (遮蔽kerma) における相対リスク及び90%信頼区間, 1950-85年

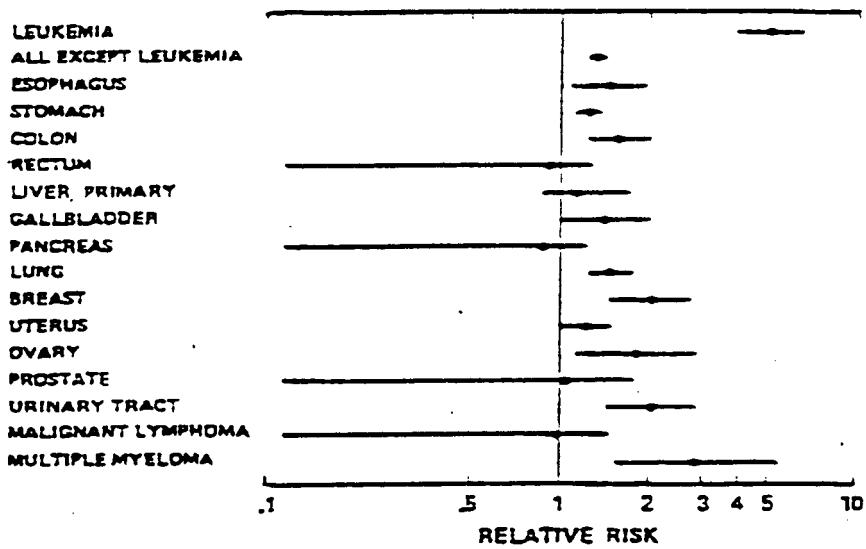

FIGURE 1B RELATIVE RISK AT 1 Gy (SHIELDED KERMA) AND 90% CONFIDENCE INTERVAL FOR CERTAIN SPECIAL CANCERS, 1950-85
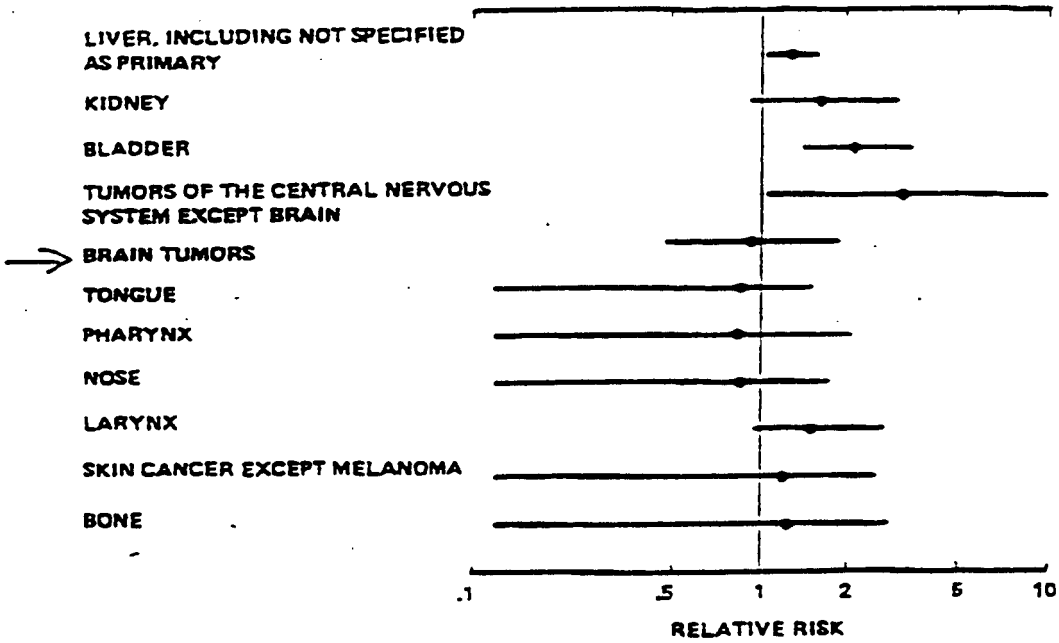
図1B 特定の癌に対する, 1 Gy (遮蔽kerma) における相対リスク及び90%信頼区間, 1950-85年