Records

Stjernswärd J (1974). Decreased survival related to irradiation postoperatively in early breast cancer. Lancet 304:1285-1286.

Key passages

TABLE I—DECREASED SURVIVAL CORRELATED TO IRRADIATION POSTOPERATIVELY IN "EARLY" OPERABLE BREAST CANCER AS INDICATED BY ALL RANDOMISED TRIALS PUBLISHED

Study/Ref.	Years postop.	Survival-rate (%)		Living at start of interval:		Remarks	Increased mortality in irradiated groups (%)
		Surgery +irrad.	Surgery only	Surgery +irrad.	Surgery only		
Manchester [3,4,14] O	5	55	56·5	327	393	Postop. irrad. by "quadrant" technique after radical mastectomy	1·5
	7	45·4	48				2·6
	10	42·7	44				1·3
Manchester [3,4,14] P	5	56·5	61	382	359	Postop. irrad. by "peripheral" technique	4·5
	7	49	51				2
	10	44·2	47·5				3·3
Copenhagen [5]	5	66	67	219	206	Super radical compared with simple mast. +postop. stage I, II (III)	1
Edinburgh [6]	1	93·8	96·7	191	204	Radical mastectomy compared with simple+postop. irrad. stage I, II (III). All castrated by irradiation too	2·9
	5	66	76	109	94		10
N.S.A.B.P. 1970 [7]	3	70	77	470	317	Radical mastectomy compared with radical mastectomy postop. radiotherapy	7
	4	61	69				8
	5	56	62				6

Comparing surgery only against surgery+irradiation by the Mantel-Haenzel procedure [8] gives $\chi^2 = 4{\cdot}22$ ($P = 0{\cdot}04$).
Preoperative irradiation before radical mastectomy as compared to radical mastectomy only was related to an increased mortality of +5% at 3 years and +7% at 5 years after operation in a controlled series of 82 and 72 patients per group.[4]