

B-30 Death from Hematological malignancies and Cardiovascular Disease

06/17/2015

Table 1 Distribution of the causes of death by treatment group

	<u>Treatment</u>			Total
	AC->T	AT	ATC	
Event free	1,379	1,331	1,317	4,027
Breast cancer	259	319	318	896
Hematological malignancies	4	4	10	18
Cardiovascular Disease	10	5	9	24
Other	88	88	99	275
Total	1,740	1,747	1,753	5,240

Hematological malignancies: Acute lymphatic leukemia, Acute monocytic leukemia, Acute myeloid leukemia, Hodgkin's disease, Other & unspecified diseases of the blood & blood forming organs, Other primary malignant neoplasms of the lymphoid tissue, Multiple myeloma

Cardiovascular disease: Acute myocardial infarction with hypertensive, Acute myocardial infarction without hypertensive disease, Acute but ill-defined cerebrovascular disease with hypertension (benign), Acute but ill-defined cerebrovascular disease without hypertension, Cardiac arrest NOS, Cerebral hemorrhage without mention of hypertension, Congestive heart failure, Other and unspecified circulatory diseases, Subarachnoid hemorrhage without mention of hypertension; ruptured cerebral aneurysm

Table 2 Univariate effects of different factors on hematologic malignancies (HM) and cardiovascular (CD) deaths

		N	# events	HM HR	p-value	# events	CD HR	p-value
Treatment	AC->T	1740	4	---	0.15	10	---	0.44
	AT	1747	4	1.02		5	0.51	
	ATC	1753	10	2.54		9	0.91	
Cycles	4 cycles	3500	14	---	0.31	14	---	0.41
	8 cycles	1740	4	0.56		10	1.41	
Age	< 50	2375	4	---	0.06	5	---	0.02
	≥ 50	2865	14	2.87		19	3.11	
Nodal status	≤ 3	3388	7	---	0.02	14	---	0.44
	≥ 4	1730	10	3.10		9	1.39	
ER/PR status	Negative	1186	6	---	0.15	9	---	0.04
	Positive	4054	12	0.49		15	0.42	
Tamoxifen/Anastrozole	No	1099	5	---	0.28	6	---	0.40
	Yes	4141	13	0.57		18	0.67	
Tumor size	(0-2) cm	2211	8	---	0.44	12	---	0.62
	(2.1-4) cm	2129	5	0.71		7	0.66	
	≥ 4.1 cm	767	4	1.67		4	1.11	
Surgery	Lumpectomy	2580	7	---	0.32	6	---	0.02
	Mastectomy	2660	11	1.62		18	3.08	
Radiation	No	1212	1	---	0.12	8	---	0.23
	Yes	4028	17	5.06		16	0.59	
Menopausal status	Post	2755	13	---	0.07	18	---	0.04
	Pre	2384	4	0.35		6	0.38	

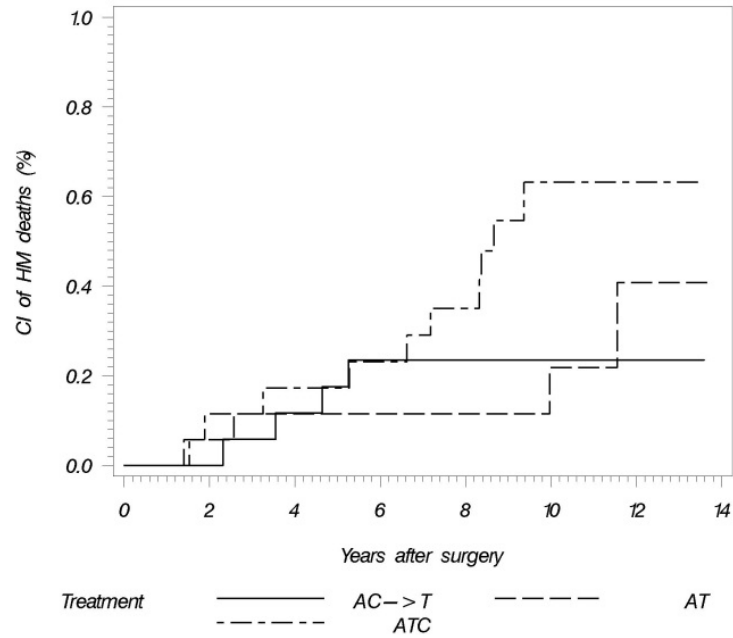
Table 3 **Multivariate effects (hazard ratios and p-values) of different factors on hematologic malignancies (HM) and cardiovascular (CD) deaths**

		HM		CD	
		HR	p-value	HR	p-value
Age	< 50			---	
	≥ 50			3.15	0.02
Nodal status	≤ 3	---			
	≥ 4	3.10	0.02		
ER/PR status	Negative			---	
	Positive			0.39	0.02
Surgery	Lumpectomy			---	
	Mastectomy			3.11	0.02

Hematological malignancies

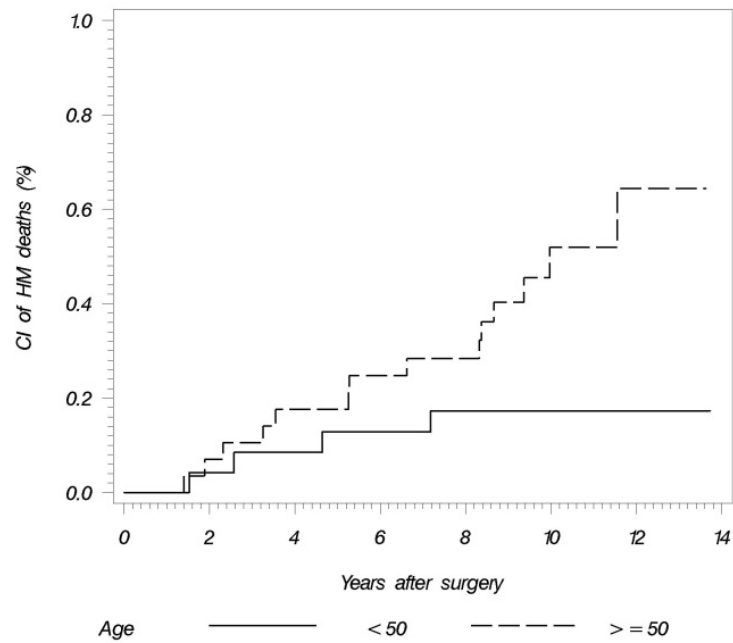
Cumulative incidence of HM deaths

Treatment

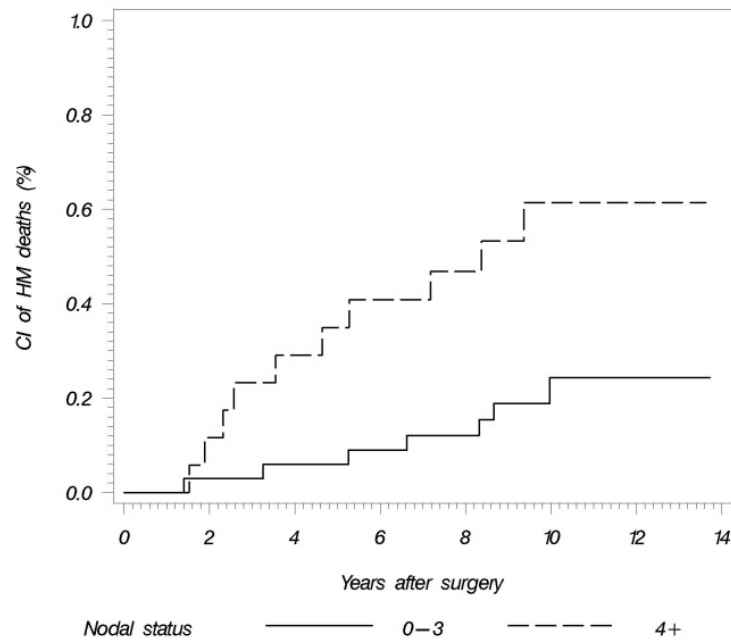


Cumulative incidence of HM deaths

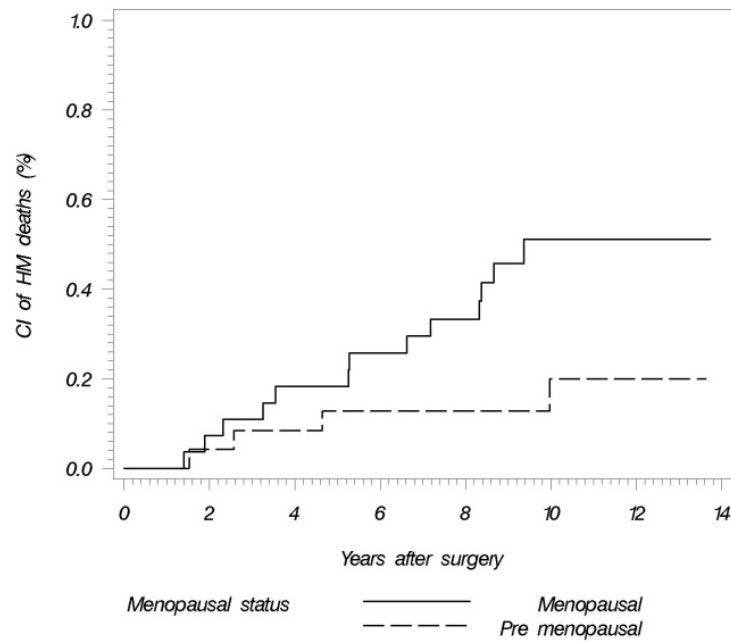
Age



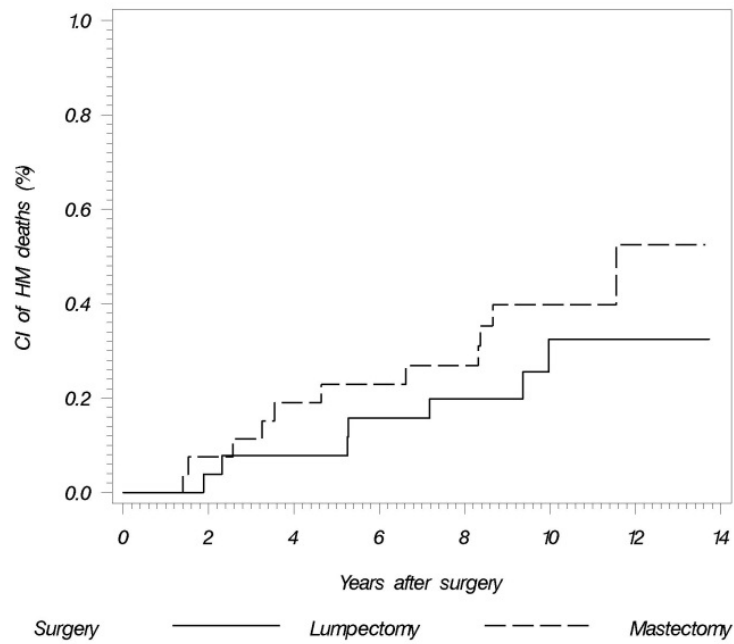
Cumulative incidence of HM deaths
Nodal status



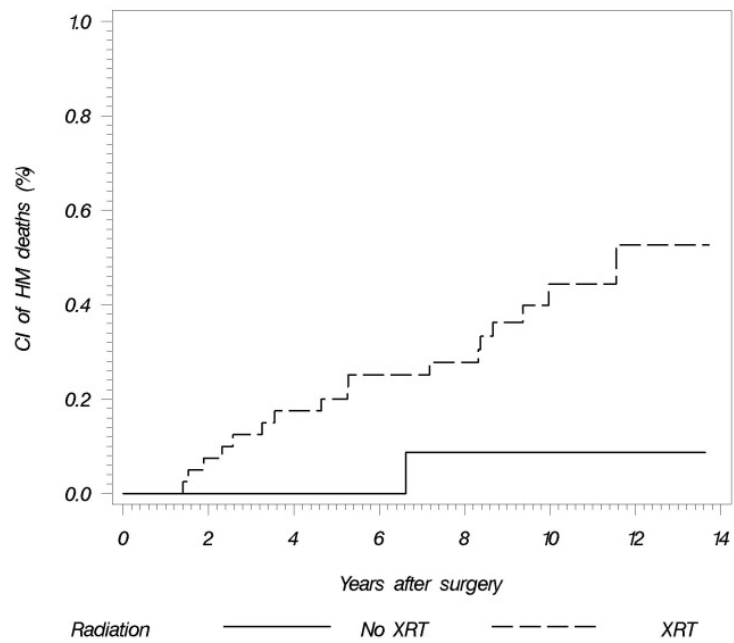
Cumulative incidence of HM deaths
Menopausal status



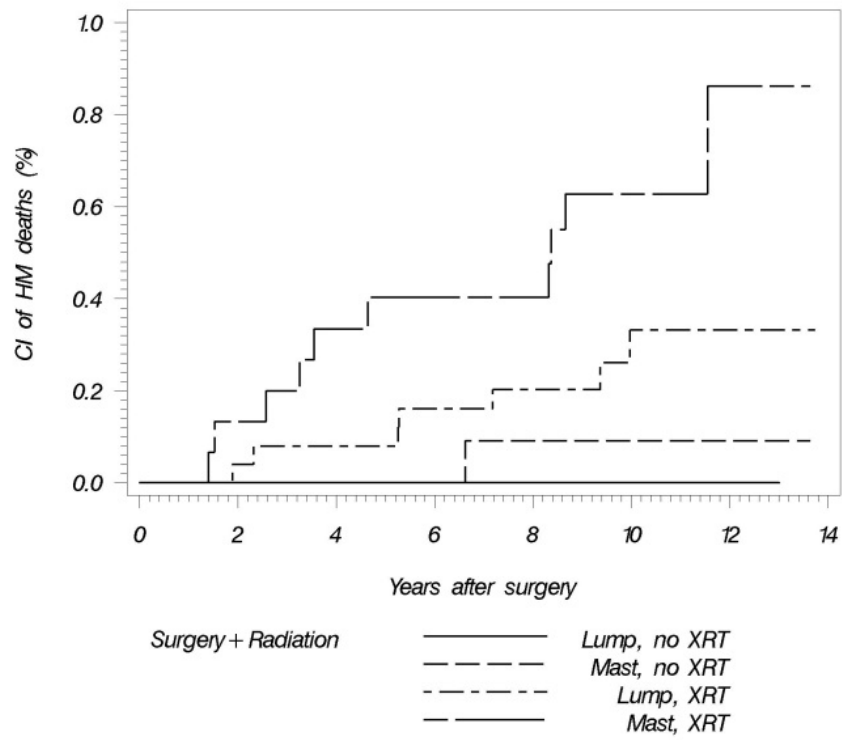
Cumulative incidence of HM deaths
Surgery



Cumulative incidence of HM deaths
XRT



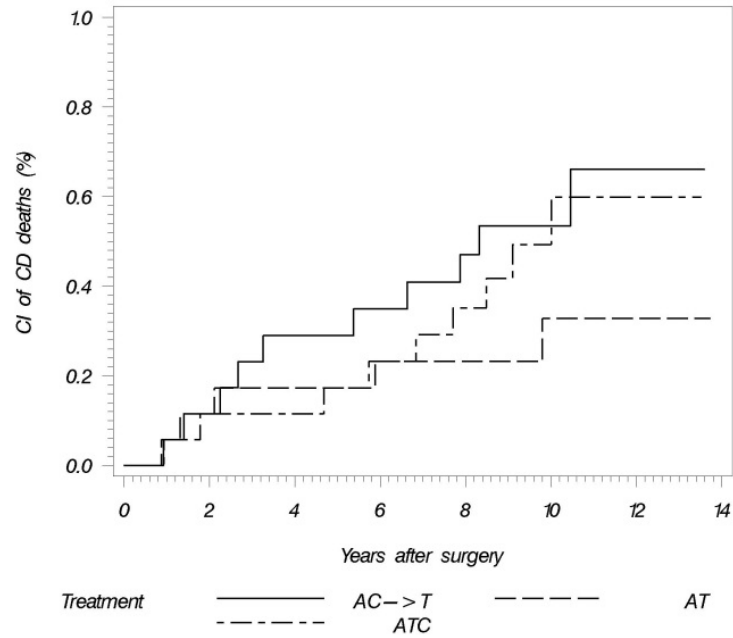
XRT and Surgery



Cardiovascular disease

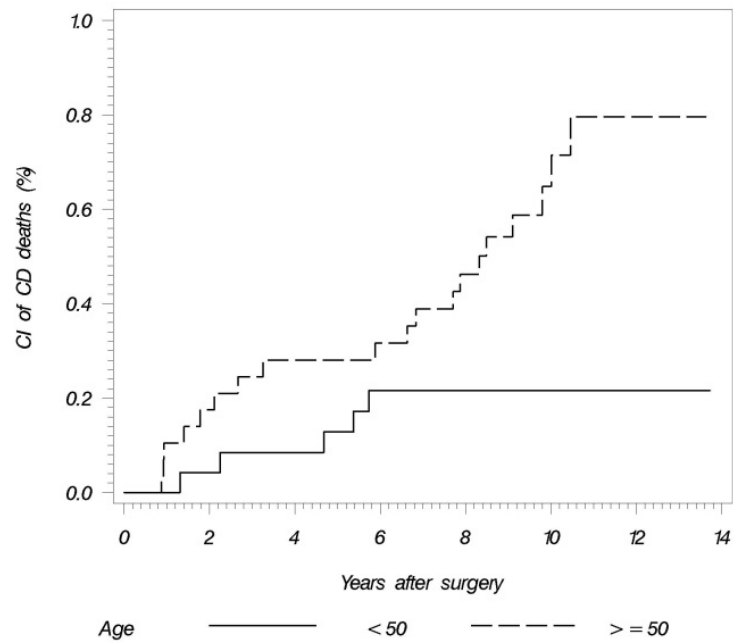
Cumulative incidence of CD deaths

Treatment

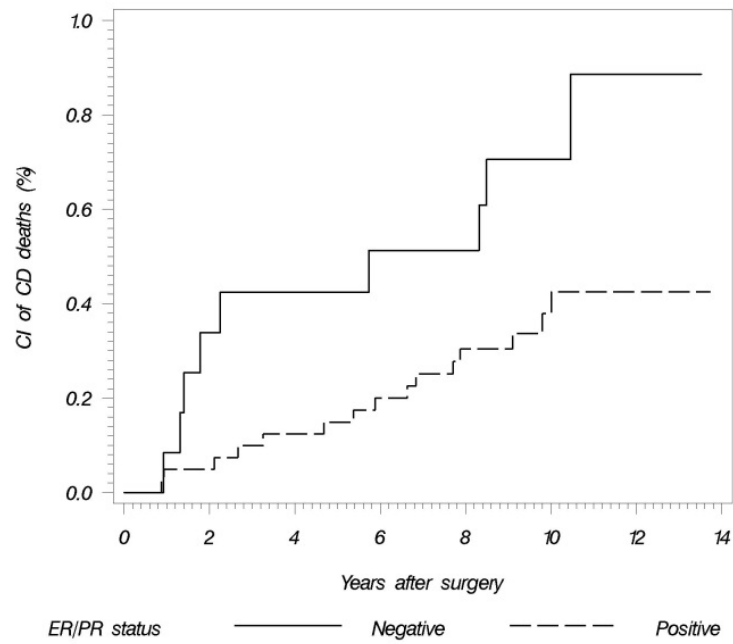


Cumulative incidence of CD deaths

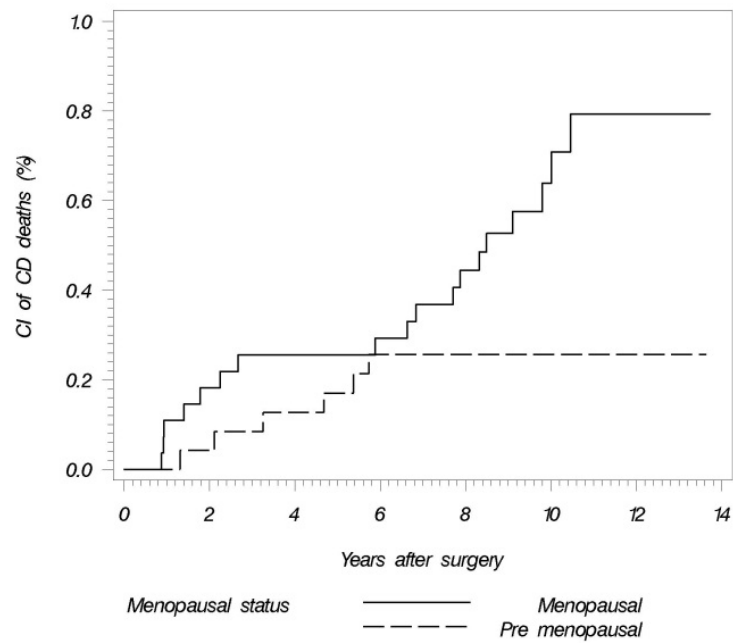
Age



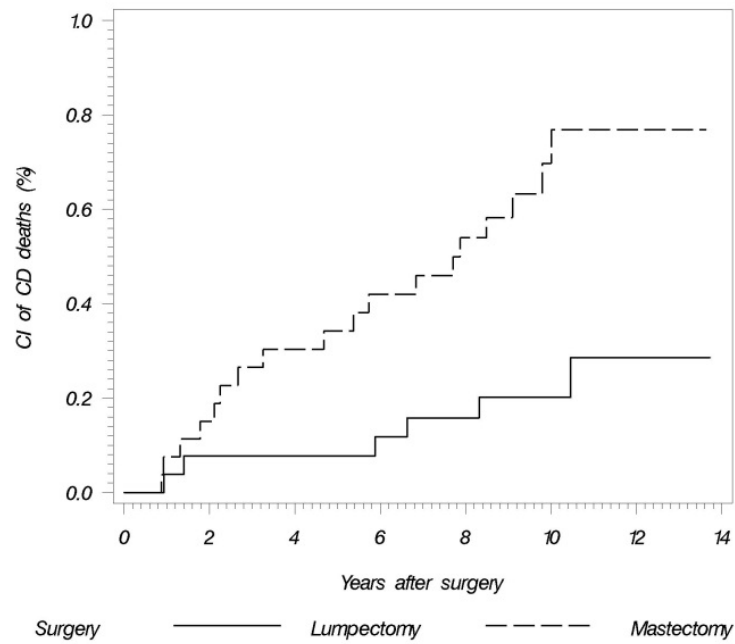
Cumulative incidence of CD deaths
ER/PR status



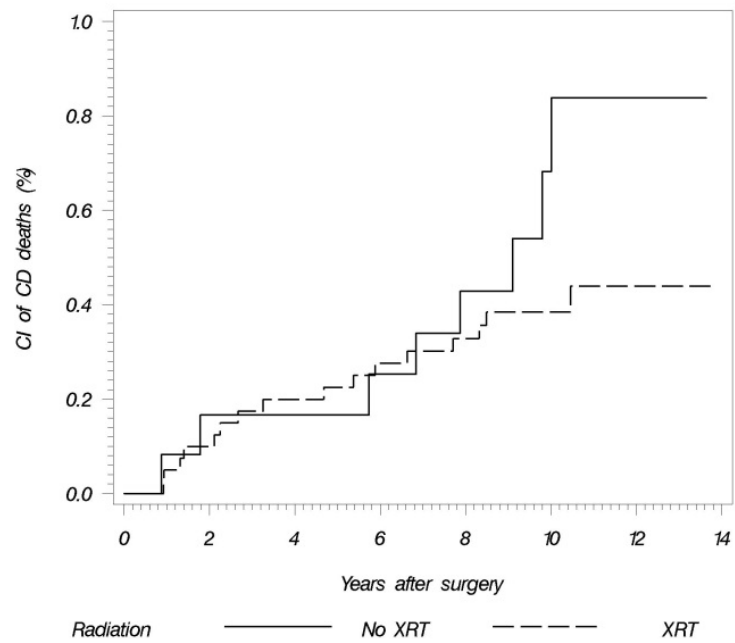
Cumulative incidence of CD deaths
Menopausal status



Cumulative incidence of CD deaths
Surgery



Cumulative incidence of CD deaths
XRT



XRT and Surgery

