

SUPPORTING INFORMATION

Table S1: Total incidence rate of all cancers, skin cancers, lymphoma and non-skin solid cancers (including and excluding gender-specific malignancies) and female to male rate ratios adjusted by age and smoking status in heart transplantation recipients.

Type of tumor	Female	Male	Female to male incidence RR	
	Incidence rate (CI 95%) (*)	Incidence rate (CI 95%) (*)	RR	p-value
All tumors	25.7 (22.8-29.0)	44.8 (42.9-46.8)	0.64 (0.55-0.75)	<0.001
Skin cancer	12.6 (10.6-15.0)	24.4 (23.0-25.9)	0.52 (0.41-0.65)	<0.001
Lymphoma	2.0 (1.3-3.0)	2.5 (2.1-3.0)	0.92 (0.51-1.64)	0.767
NSSC (including GSN)	11.1 (9.3-13.4)	17.5 (16.4-18.8)	0.80 (0.63-1.02)	0.069
NSSC (excluding GSN)	6.4 (5.0 – 8.1)	14.5 (13.5 – 15.7)	0.62 (0.46-0.83)	0.001
Lung cancer	1.1 (0.6 – 1.9)	5.5 (4.9 – 6.2)	0.37 (0.19-0.69)	0.002
GI cancer	2.3 (1.5 – 3.4)	3.1 (2.7 – 3.7)	0.97 (0.59-1.59)	0.893
Liver cancer	0.4 (0.2 – 1.0)	0.7 (0.5 – 1.0)	0.57 (0.13-2.45)	0.446

RR=Rate ratio; CI=Confidence interval; NSSC= Non-skin solid cancer; GSN=Gender-specific malignancy; GI=Gastrointestinal cancer. (*) Per 1000 person-year.

Table S2: Proportion of cancer deaths in male and female recipients by time period following heart transplantation (HT).

Years following HT	Total population			Male			Female			p-value
	Total deaths	Tumor deaths	%	Total deaths	Tumor deaths	%	Total deaths	Tumor deaths	%	
<1	350	25	7.14	293	24	8.19	57	1	1.75	0.096
1-3	384	62	16.15	336	55	16.37	48	7	14.58	0.753
3-5	310	70	22.58	257	63	24.51	53	7	13.21	0.073
5-10	674	184	27.30	584	172	29.45	90	12	13.33	0.001
>10	1062	243	22.88	918	221	24.07	144	22	15.28	0.019
Total	2780	584	21.01	2388	535	22.40	392	49	12.50	<0.001