

Table 1. Characteristics of published studies (n=29)

Study **	Study Design ***	Total # of Pts with BrCa	Cumulative # of Pts Reported	Parameters Studied for the Assessment of Thyroid Status in the Pt Population	Study Conclusions
Studies Reporting a Positive Correlation Between BrCa and HT					
Rose et al., 1978 (13) *	PS	127	271	TSH, T4	TSH levels are increased in women with BrCa <i>versus</i> normal controls
Rose et al., 1979 (14) *	PS	92	169		
Edelstyn et al., 1958 (10)	PS	67	67	%RAIU	%RAIU is lower in women with BrCa and systemic metastasis <i>versus</i> those with locally invasive disease only
Shering et al., 1996 (16) *	CC	150	350	Thyroidal Volume (by neck U/S)	Thyroidal volume is increased in women with BrCa <i>versus</i> normal controls
Giani et al., 1996 (15) *	CC	102	202		
Smyth et al., 1996 (17)	PS	200	554		
Smyth et al., 1998 (18) *	CC	356	760	Historical Diagnosis (Chart Review)	RR of BrCa is increased in women with HT <i>versus</i> normal controls
Itoh & Maruchi, 1975 (12)	RC	18	18		
Abe et al., 1975 (11) *	CS	52	52	Anti-TPO Ab's	The incidence of anti-TPO Ab's is increased in women with BrCa <i>versus</i> normal controls
Shering et al., 1996 (16) *	CC	150	350		
Giani et al., 1996 (15) *	CC	102	202		
Smyth et al., 1998 (18) *	CC	356	760		
Study Reporting a Negative Correlation Between BrCa and HT					
Kapdi et al., 1976 (19)	PS	380	5,505	History of previous thyroid hormone therapy	Hypothyroid state is "protective" against BrCa development
Studies Reporting a Lack of Association Between BrCa and HT					
Abe et al., 1980 (28)	PS	25	36	TSH, T3, T4	TSH levels are NSD between women with BrCa and normal controls
Lemaire et al., 1985 (32)	PS	226	578		
Adamopoulos et al., 1986 (33)	PS	97	218	TSH, T3, fT4	T3 and fT4 levels are NSD between women with BrCa and normal controls
Reeve et al., 1961 (20)	PS	62	62	%RAIU	%RAIU is NSD between women with BrCa and normal controls
Stoll, 1965 (22)	PS	183	183		
Abe et al., 1980 (28)	PS	100	149		
Schottenfeld, 1968 (23)	CS	226	779	Thyroidal Volume (by physical examination)	Thyroidal volume is NSD between women with BrCa and those with benign breast disease or normal controls
Adamopoulos et al., 1986 (33)	PS	97	218	Thyroidal Volume (by neck U/S)	
Humphrey et al., 1964 (21) *	PS	369	630	Historical Diagnosis (Chart Review)	The incidence of thyroidal disease is NSD between women with BrCa and normal controls
Schottenfeld, 1968 (23)	CS	226	779		
Moosa et al., 1973 (24)	RC	462	713		
Maruchi et al., 1976 (26) *	RC	5	508		
Kurland et al., 1976 (25)	RC	5	486		
Hedley et al., 1981 (29)	RC	42	2,523		OR
Kalache et al., 1982 (30) *	CC	1,176	2,352		
Brinton et al., 1984 (31) *	CC	1,362	2,612		
Fukuda et al., 1987 (34)	RC	4	4,531		
Goldman et al., 1990 (36)	RC	83	7,338		
Goldman, 1990 (35)	Meta-analysis	N/A	N/A	Clinical Questionnaire (History of Diagnosis of Thyroidal Disease)	The incidence of thyroidal disease is NSD between women with BrCa and normal controls
Goldman et al., 1992 (4) *	RC	100	9,520		
Weiss et al., 1999 (5) *	CC	2,173	4,163	Anti-TPO Ab's	The incidence of anti-TPO Ab's is NSD between women with BrCa and those with benign breast disease or normal controls
Mitra et al., 1976 (27) *	CC	362	669		
Adamopoulos et al., 1986 (33)	PS	97	218		
Maruchi et al., 1976 (26) *	CC	28	348	Autopsy	The incidence of BrCa is NSD between women with lymphocytic thyroiditis at autopsy and normal controls

* : Studies evaluated in the quantitative research synthesis/meta-analysis

** : CC=Case-Control; CS=Case Series; PS: Prevalence Survey (Cross-Sectional Study); RC=Retrospective Cohort

*** : Some of the studies appear more than once in this table, as they report on several different parameters of thyroid status assessment