

First Author (Country)	Year	Number of patients	Median follow-up (years)	Histology	Parameter studied			Gender difference favoring females?	Comments
					OS	DSS	Rec		
Akslen (Norway)	1991	2479	4	All	x	x		OS (U), OS in PTC only (M), DSS (U) <i>DSS not affected by gender in M</i>	Decreased survival after 55 yrs
Akslen (Norway)	1992	173	7	PTC		x	x	DSS (U, M), <i>Rec not affected by gender</i>	
Cunningham (US)	1990	2,282	10	PTC, PTC	x	x		OS (U,M) DSS (U, M)	50 yrs was the best cut-off to divide patients according to survival
Mazzaferri (US)	1994	1,355	15.7	PTC, FTC		x	x	DSS (U, M) <i>Rec not affected by gender</i>	
Mazzaferri (US)	2001	1501	16.6	PTC, FTC		x	x	DSS (U, M) <i>Rec not affected by gender</i>	Additional follow- up of cohort reported in 1994
Micheli (Europe)	2009	22,918	?	All	x			OS (U, M)	OS better in women under 55 yrs than women over 55 yrs
Samaan (US)	1992	1599	11	PTC, FTC		x	x	DSS (U, M) Rec (U), <i>Rec not affected by gender in M</i>	
Tubiana (France)	1985	546	At least 8	PTC, FTC	x		x	OS (U, M) Rec (U, M)	OS better and Rec less in patients under 45 yrs
<i>PTC = papillary thyroid cancer, FTC = follicular thyroid cancer, OS = overall survival, DSS = disease specific survival, Rec = recurrences, U = univariate, M = multivariate</i>									

Supplemental Table 1. Studies reporting gender differences in thyroid cancer outcomes

Authors	Year	Cut-off (years)	Gender-based cut-off noted	Number of patients	Outcome	Reference Number
Tubiana	1985	45		546	Recurrence and survival	4
Simpson	1987	45		1578	Recurrence and Survival	63
Mazzaferri	1994*	45		1355	Survival	8
Byar	1979	60		591	Survival	58
Cady	1979	50 F 40 M	Yes	613	Recurrence and Survival	28
Carcangiu	1985	60 F 40 M	Yes	241	Survival	5
Cunningham	1990*	50		2282	Survival	2
Akslen	1991*	55		2479	Survival	1
Shah	1992*	50		931	Survival	11
Mazzaferri	1994*	60		1355	Recurrence	8
<p><i>M=males, F=females,</i> <i>*analyses performed after the introduction of the TNM staging system in 1987</i> <i>gray shading indicates analyses showing a 45 year cut-off</i> <i>TNM = tumor, nodes, metastases</i></p>						

Supplemental Table 2. Studies showing an age “cut-off” as a prognostic factor in thyroid cancer survival and recurrence