

**Table SI.** Summary of patients with MSO with synchronous primary thyroid cancer in the neck.

First author(s), year	No.	Age, years	Country of publication	Pathology	Primary treatment	Follow-up	(Refs.)
Dardik <i>et al</i> , 1999	1	39	USA	FTC (ovary); PTC (0.2 cm, pT1) in neck	RSO	Recurrence at peritoneum, omentum and hernia sac at 0.6 years, treated with TH + LSO + omentectomy + tumor resection, TT, RAI (150.0 mCi) and EBRT (5,040.0 cGy); NED at 6.0 years	(12)
Janszen <i>et al</i> , 2008	2	52	Netherlands	FTC, 10.0x8.0 cm (ovary); PTC (0.3cm, pT1) in neck	BSO; TT + RAI (5,550.0 MBq)	NED at 2.0 years	(13)
Marti <i>et al</i> , 2012	3	44	USA	PTC, 5.0 cm (ovary); PTC (0.5 cm, pT3N1a) in neck	TH + BSO + omentectomy + lymphadenectomy; TT + RAI (179.0 mCi)	NED at 9.0 months	(14)
Leite <i>et al</i> , 2013	4	78	Portugal	PTC, 10.0x9.0 cm (ovary); PTC (small focal) in neck	USO (RSO)	NED, died of multiple myeloma at 2.0 years	(15)
Krishnamurthy <i>et al</i> , 2013	5	51	India	FVPTC, 12.0x8.0 cm (ovary); FVPTC (0.4 cm, pT1)	TH + BSO + omentectomy + lymphadenectomy	NED at 0.5 years	(16)

				in neck			
Leong <i>et al</i> , 2013	6	42	Canada	PTC, 13.5 cm (ovary); PTC in neck (pT3N1a)	TH + BSO; TT + RAI (150.0 mCi)	NED at 1.0 year	(17)
Brusca <i>et al</i> , 2015	7	30	Italy	FVPTC, 10.0 cm (ovary); PTC (0.2 cm, pT1) in neck	RSO; TT + RAI (30.0 mCi)	NED at 0.5 years	(18)
Ma <i>et al</i> , 2016	8	47	USA	FVPTC, 5.2 cm (ovary); FVPTC (0.7 cm, pT1) in neck	TH + BSO; TT + RAI	NED at 3.0 years	(19)
Middelbeek <i>et al</i> , 2017	9	55	USA	PTC, 15.0 cm (ovary); FVPTC (1.2 cm, pT1) in neck	BSO; TT + RAI (150.0 mCi, performed before BSO)	NED at 5.0 years	(20)
Gomes-Lima <i>et al</i> , 2018	10	67	USA	PTC, 7.2 cm (ovary); PTC (0.8 cm, pT1) in neck	BSO; TT + RAI (147.7 mCi)	NED at 5.0 years	(21)
Tzelepis <i>et al</i> , 2019	11	32	USA	FVPTC, 6.0 cm (ovary); PTC (0.6 cm, pT3) in neck	LSO, right ovarian cystectomy, partial omentectomy	Recurrence at mesentery lymph nodes at 5.0 months, treated with RAI (184.3 mCi); NED at 1.5 years	(22)
Donato <i>et al</i> , 2021	12	35	Portugal	FVPTC, 8.0 cm (ovary); FVPTC (1.5 cm,	LSO, TT + RAI (100.0 mCi)	Slightly elevated TG (7.6-31.9ng/ml) at 5.0 years without identified lesions, successfully delivered	(23)

				pT1bN0) in neck			
Seo <i>et al</i> , 2023	13	42	USA	PTC, 10.5 cm (ovary); PTC (3.0 and 1.5 mm, pT1N0M0) in the neck	LSO, TT + RAI (28.3 mCi; both presented BRAF V600E mutation)	NED at 0.5 years	(24)
Present case	14	44	China	PTC, 5.7 cm (ovary); FVPTC (0.5 cm, pT1aN0) in neck	LSO	NED at 4.0 years	Not applicable

FTC, follicular thyroid carcinoma; FVPTC, follicular variant of papillary thyroid carcinoma; L/R/BSO, left/right/bilateral salpingo-oophorectomy; TH, total hysterectomy; TG, thyroglobulin; TT, total thyroidectomy; RAI, radioiodine therapy; EBRT, external beam radiotherapy; NED, no evidence of disease.