

**Supplemental Table S2.** Clinical Characteristics of Coexisting Thyroid Cancer in GD Patients Who Were Performed Ultrasonography Reported in Literature

Author	Study periods	Selection criteria of participants	Thyroid cancer	Incidentaloma	Concomitant thyroid cancer type (n)
Cappelli et al. [16]	1985–2001	Surgically treated GD	9/145 (6.2)	2 (1.4)	PTCs (9)
Kraimps et al. [24]	1991–1997	Consecutive patients who underwent surgery for GD	21/557 (3.8)	0	PTCs (20), FTC (1)
Yano et al. [22]	1994–2004	Patients with GD who were surgically treated	166/2,356 (7.0) 166/32,200 <sup>a</sup>	48 (2.0)	PTCs (157), FTCs (8), MTC (1)
Erbil et al. [25]	1996–2005	Consecutive patients with GD who underwent surgery	18/150 (12.0)	7 (4.7)	PTCs (18)
Kim et al. [23]	2001–2002	Patients with GD	8/245 (3.3)	0	PTCs (8)
Ren et al. [26]	2002–2012	Patients with GD who were surgically treated	58/423 (13.7)	12 (2.8)	PTCs (56), FTC (1), UDTC (1)
Ergin et al. [27]	2005–2013	Patient with GD who underwent total thyroidectomy	69/245 (28.2)	28 (11.4)	PTCs (69) Including tall cell variant PTCs (5)
Keskin et al. [9]	2005–2015	Patients with GD who were surgically treated	34/121 (28.1)	10 (8.3)	PTCs (32), FTCs (2)
Tam et al. [28]	2006–2013	Patients who underwent thyroidectomy for GD	42/526 (8.0)	19 (3.6)	PTCs (42)
Alvarez et al. [29]	2009–2018	Patients with GD who underwent thyroidectomy	13/80 (16.2)	5 (6.3)	PTCs (13) Including follicular variant PTCs (6) and diffuse sclerosing variant PTCs (2)
Casella et al. [30]	2013–2018	Consecutive patients who underwent surgery for GD	19/151 (12.6)	2 (1.3)	PTCs (19) Including tall-cell variant PTCs (1)

Values are expressed as number (%).

GD, Graves' disease; PTC, papillary thyroid carcinoma; FTC, follicular thyroid carcinoma; MTC, medullary thyroid carcinoma; UDTC, undifferentiated thyroid carcinoma.

<sup>a</sup>Thyroid ultrasonography was performed in all 32,200 patients who visited an outpatient clinic due to Graves' disease.