

Supplementary Table 1. Search strategy

Medline

20240103			
	N		Result
P	1	(Thyroid Neoplasms) OR (thyroid cancer) OR (Thyroid carcinoma) OR (differentiated thyroid carcinoma) OR (papillary thyroid carcinoma) OR (follicular thyroid carcinoma) OR (hurthle)	102,803
	2	(Strap) OR (infrathyoid) OR (Thyrohyoid) OR (Sternothyroid) OR (sternohyoid) OR (omohyoid) OR (gross extrathyroidal extension)	5,314
	3	1 AND 2	400

Embase

20240103			
	N		Result
P	1	'thyroid tumor'/exp OR 'thyroid tumor' OR 'thyroid cancer'/exp OR 'thyroid cancer' OR 'thyroid carcinoma'/exp OR 'thyroid carcinoma' OR 'differentiated thyroid cancer'/exp OR 'differentiated thyroid cancer' OR 'thyroid papillary carcinoma'/exp OR 'thyroid papillary carcinoma' OR 'thyroid follicular carcinoma'/exp OR 'thyroid follicular carcinoma' OR 'hurthle cell tumor'/exp OR 'hurthle cell tumor'	118,446
	2	'strap muscle'/exp OR 'strap muscle' OR 'infrathyoid muscle'/exp OR 'infrathyoid muscle' OR 'thyrohyoid muscle'/exp OR 'thyrohyoid muscle' OR 'sternothyroid muscle'/exp OR 'sternothyroid muscle' OR 'sternohyoid muscle'/exp OR 'sternohyoid muscle' OR 'omohyoid muscle'/exp OR 'omohyoid muscle' OR 'gross extrathyroidal extension' OR (gross AND extrathyroidal AND ('extension'/exp OR extension))	1,345
	3	1 AND 2	378

Cochrane Central

20240103			
	N		Result
P	1	(Thyroid Neoplasms) OR (thyroid cancer) OR (Thyroid carcinoma) OR (differentiated thyroid carcinoma) OR (papillary thyroid carcinoma) OR (follicular thyroid carcinoma) OR (hurthle)	2,774
	2	(Strap) OR (infrathyoid) OR (Thyrohyoid) OR (Sternothyroid) OR (sternohyoid) OR (omohyoid) OR (gross extrathyroidal extension)	610
	3	1 AND 2	21

KoreaMed

20240103			
	N		Result
P	1	("thyroid neoplasm"[ALL]) OR ("thyroid cancer"[ALL]) OR ("Thyroid carcinoma"[ALL]) OR ("differentiated thyroid carcinoma"[ALL]) OR ("papillary thyroid carcinoma"[ALL]) OR ("follicular thyroid carcinoma"[ALL]) OR ("hurthle"[ALL])	2,171
	2	("Strap"[ALL]) OR ("infrathyoid"[ALL]) OR ("Thyrohyoid"[ALL]) OR ("Sternothyroid"[ALL]) OR ("sternohyoid"[ALL]) OR ("omohyoid"[ALL]) OR ("gross extrathyroidal extension"[ALL])	103
	3	1 AND 2	20