

## Classification of Thyrotoxicosis Based on Radioactive Iodine Uptake

Causes of Thyrotoxicosis		
Result	High RAIU	Low RAIU
Common causes	Graves' disease	Subacute thyroiditis
Common causes	Toxic multinodular goiter*	Painless thyroiditis (includes postpartum thyroiditis)
Common causes	Toxic adenoma*	Chronic thyroiditis with transient thyrotoxicosis
Uncommon causes	HCG-mediated (choriocarcinoma)	Iatrogenic/surreptitious thyroid hormone
Uncommon causes	TSH-secreting pituitary tumor	Metastatic thyroid cancer
Uncommon causes	Amiodarone-induced hyperthyroidism (non-thyroiditis)	Amiodarone-induced thyroiditis
Uncommon causes		Struma ovarii

HCG = human chorionic gonadotropin; RAIU = radioactive iodine uptake; TSH = thyroid-stimulating hormone.

Test item and units: RAIU (% uptake in 4-24 h)

Table from *Physicians Information and Education Resource (PIER), Hyperthyroidism (Thyrotoxicosis)* module.