

Table 2: Laboratory findings in common thyroid disorders

Thyroid Disorder	T4	T3	rT3	T3 Resin uptake	Free T4 Index	Free T4	TSH	TRH test	Thyroglobulin	TRAb
Hypothyroidism										
*primary	L	L	L	L	L	L	H	H	N	-
*secondary										
(pituitary)	L	L	L	L	L	L	N, L		N	-
Hyperthyroidism										
Grave's disease	H	H	H	H	H	H	L	L	N, H	-
*(thyrotoxic phase)	H	H	H	H	H	H	L	L		+
Hashimoto's Thyroiditis	V	V	V	V	V	V	V	V		++
Euthyroid sick syndrome, conversion disorders peripheral receptor resistance	N,L	N,L	H	N, L	N, L	N, L	V	N, L		-

T4 = thyroxine; T3 = **Triiodothyronine**; rT3 = **reverse triiodothyronine**; TSH = **thyroid-stimulating hormone**; TRH = **thyroid-releasing hormone**; TRAb = **thyrotropin-receptor antibodies**; H = **high**; L = **low**; N = **normal**; V = **variable**; - = **negative**; + = **positive**

Table 2: Symptoms and Signs of Thyroid Dysfunction

Hypothyroidism	Hyperthyroidism
Fatigue	Fatigue
Weight gain	Weight loss
Cold intolerance	Heat intolerance
Skin dryness	Hyperhidrosis
Hair dryness or loss	
Depression	Nervousness
Dementia	Insomnia
	Tremor
Muscle cramps and myalgias	Muscle weakness
Edema	Dyspnea
Bradycardia	Palpitations
	Tachycardia & atrial tachy arrhythmias
Constipation	
Menstrual irregularity (especially menorrhagia)	Hyperdefecation Menstrual irregularity (especially hypomenorrhea)
Infertility	