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**Case 38 (December 16 2010):** [N Engl J Med. 363\(25\):2445-2454](#)

**Demographic:** Female, 13 yrs, Not pregnant, North America

**Clinical features extracted from the case and entered into the query box:**

enlarging neck mass  
neck swelling  
pain on swallowing  
elevated thyrotropin level  
mild hypothyroidism

**Synonyms used by Isabel for the above query:**

neck swelling  
pain on swallowing  
hypothyroidism

**STOP !**

**Before you read further you might want to construct your own:**

- Final diagnosis

**In the following section you will find:**

- The final diagnosis of the case
- Did Isabel suggest the final diagnosis

**Final Diagnosis of the case according to NEJM:**

- (i) Papillary thyroid carcinoma
- (ii) Chronic autoimmune thyroiditis

**Was the final diagnosis given by Isabel:**

Yes, (i) Papillary thyroid carcinoma in Endocrine  
(ii) Hashimoto's thyroiditis in Endocrine

### Isabel Differential:

**enter clinical features**    **synonyms**

**age\***    adolescent (13-16yrs) ▾

**gender**     female     male

**pregnancy**    not-pregnant ▾

**Refine search:**

**travel history:**    North America ▾ ⓘ

**show me:**

**diagnoses**

causative drugs

bioterrorist agents

**Enter clinical features, no negatives, no numbers:** ⓘ

enlarging neck mass
neck swelling
pain on swallowing
elevated thyrotropin level
mild hypothyroidism

+ add a clinical feature

**get checklist** ➔

clear search

Isabel is not meant to replace your clinical judgment.

**diagnoses**

**Most Relevant**

**sort by:** most relevant ▾    **action:** -select ▾

**show:** 10 20 30 all    ⓘ **New!** ⓘ

Hashimoto's Thyroiditis    ⓘ    ENDO

**Why did this diagnosis come up ?** ⓘ

We matched the terms: neck swelling | hypothyroidism | hypothyroidisms | enlarg | enlarging | neck mass | neck | elevated | elev | thyrotropin | level

Degree of match between query entered and Isabel database (Not clinical probability): 100%

Hypothyroidism	ⓘ	ENDO
Hyperpituitarism	ⓘ	ENDO
Thyroid Neoplasms	ⓘ	ENDO
Papillary Thyroid Carcinoma	ⓘ	

**Why did this diagnosis come up ?** ⓘ

We matched the terms: neck swelling | neck mass | pain on swallowing | enlarg | enlarging | neck | level | mass | mass neck

Degree of match between query entered and Isabel database (Not clinical probability): 73%

Hodgkin's Disease	ⓘ	NEOPL
Precocious Puberty	ⓘ	ENDO
Non-Hodgkin's Lymphoma	ⓘ	NEOPL

**feedback:**     **submit**