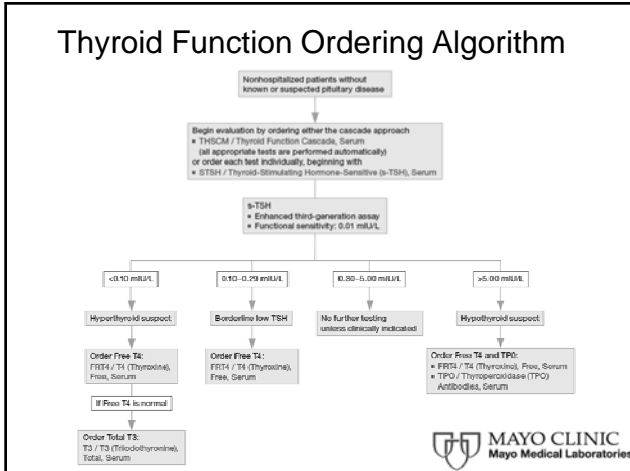


- ## Ordinary Orders
- T3, T4
 - T3, T4, T3UP, FTI
 - T3, T4, T3UP, Free T4
 - T3, T4, TSH
 - TSH, Free T4
 - TSH, Free T4, T3
 - Anti TPO
 - Anti tg



TFT Interpretation

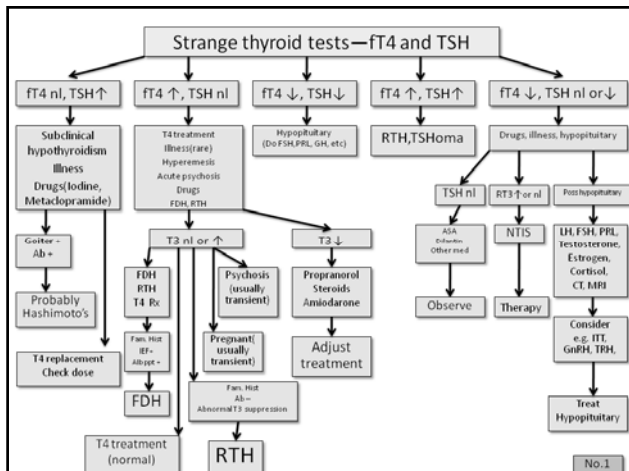
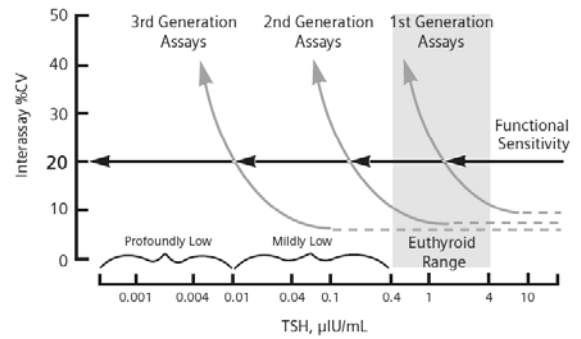
TSH result	Subsequent FT ₄ result*	Possible diagnoses
Elevated TSH (>5.0 mU/L)	Low FT ₄	Primary hypothyroidism
	Normal FT ₄	Subclinical hypothyroidism
Low TSH (<0.10 mU/L)	High FT ₄	TSH-mediated hyperthyroidism (secondary or tertiary hyperthyroidism)
	Low FT ₄	Central hypothyroidism (rare)
	Normal FT ₄	Subclinical hyperthyroidism Check T ₄ ; may recheck FT ₄ and T ₄ every two to three months
	High FT ₄	Hyperthyroidism or thyrotoxicosis Check RAIU to identify cause

TSH Assay Generations

Generation	Functional Sensitivity*
First	1 – 2 $\mu\text{IU/mL}$
Second	0.1 – 0.2 $\mu\text{IU/mL}$
Third	0.01 – 0.02 $\mu\text{IU/mL}$

*<20% interassay precision within these ranges.

TSH Assays Evolving Performance Characteristics



Thank you for your Attention

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