Table II. Test Results Indicative of the Central Secondary or Tertiary Hypothyroidism

TSH Free T4 TRH Stimulator Prolactin Normal or Low; consistent with pituitary hypothyroidism. Bio inactive forms of TSH may obscure TSH Consistent with TSH 45-60 minutes: TRH Stimulator Prolactin Normal; double TSH in 30 minutes; Hypopituitary double seen after TRH TSH 45-60 minutes: TSH 45-60 minutes:					
consistent with pituitary Increased or hypothyroidism. Bio inactive normal Hypopituitary double Seen after TRH	TSH	Free T4	TRH Stimulator	Prolactin	
actual decreased inactivity; Negative feedback seen in primary hypothyroidism not seen in secondary or tertiary. pituitary or hypothalamus hypothalamus hypothyroid exaggerated response Pituitary no response in TSH; Primary other central hypothyroidism	consistent with pituitary hypothyroidism. Bio inactive forms of TSH may obscure TSH actual decreased inactivity; Negative feedback seen in primary hypothyroidism not	normal consistent with pituitary or hypothalamus	30 minutes; Hypopituitary double TSH 45-60 minutes; Pituitary no response in TSH; Primary hypothyroid	seen after TRH stimulator are useful in differentiating TSH from other central	