Primary Hypothyroidism Treatment Algorithm

Initial Levothyroxine Dose

1.6 mcg/kg/d in adults

1.0 mcg/kg/d in elderly

4.0 mcg/kg/d in children

Increase levothyroxine dose by => 33% as soon as pregnancy is confirmed

Decrease Levothyroxine Dose by  
 12.5 to 25 μg/d

TSH <0.5 μlU/mL

6-8 weeks

Measure TSH at 6 months, then annually or when symptomatic

Increase Levothyroxine Dose by   
12.5 to 25 μg/d

Continue Dose

TSH 0.5 – 2.0 μlU/mL

TSH <4 μlU/mL

Repeat TSH Test