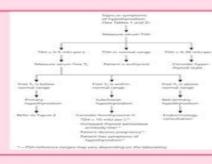
HROTHYROIDISM

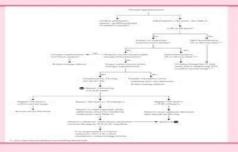


A condition in which there is an underproduction of thyroid hormone by the thyroid gland, or resistathe action of the thyroid hormone. The primary cause of hypothyroidism is Hashimoto's thyroiditis disorder is more common in people over age 40, women more frequently than men and people over Common presenting symptoms are fatigue, weight gain, intolerance to cold, consituation, muscle crafting atrophic or enlarge thyroid gland, and depression (Hollier, 2018)

DIAGNOSITIC CRITERIA

Measuring the serum TSH is the gold standard test for initial evaluation of suspected hypothyroidism or as part of routine screenings. If the TSH is elevated then a repeat TSH should be done along with a serum T4 level. A patient that has a TSH >5.5 and a low T4 below normal is diagnosed with hypothyroidism (Gaitoinde et al., 2012).





PHARMACOLOGICAL TREATMENT

IFor most patients, treatment will be lifelong with a thyroxine. L-thyroxine remains the recommender treatment according to clinical practice guideline (Garber et al., 2012) For patient's, less than 50 with no other conditions dose of levothyroxine will be 1.6mcg/kg. For patients older than 50 or patients with cardiac conditions treatment will begin at 25 50mcg/day (Gaitoinde et al., 2012).

ON GOING MANAGMENT

After treatment is initiated patients will need to have a TSH level drawn in 6 weeks and then every 6-8 weeks until they are at goal a TSH of 0.5-5.0. After patients reach goal TSH levels, labs can be done annually (Hollier, 2018).





BARRIERS/ISSUES WIT TREATMEN

The frequent monitoring of TSH levels initially when thyroxine is initiated may be a challenge for some patier and could lead to non-compliance. Also, patients should instructed to take medication on an empty stomach before meals first thing in the morning before breakfast or in the evening. If they do not take their medication correctly, could lead to difficulty in reaching a euthyroid state.

CLINICAL PRACTICE GUIDELINES

The most current clinical practice guidelines were used for this inforgraphic. The most recent clinical practice guidelines from The American Association of Family Physicians and the American Association of Clinical Endocrinology are from 2012. Full reference list on the following page.

