

RN Learning System Medical-Surgical Endocrine Practice Quiz Questions and Answers PDF

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Which medication is commonly prescribed for hypothyroidism?

- Methimazole
- Levothyroxine ✓**
- Insulin
- Hydrocortisone

Levothyroxine is the standard medication prescribed for managing hypothyroidism, as it helps to replace or supplement the deficient thyroid hormone in the body.

Which of the following are risk factors for Type 2 diabetes? (Select all that apply)

- Obesity ✓**
- Sedentary lifestyle ✓**
- Autoimmune disease
- Family history ✓**

Type 2 diabetes risk factors include obesity, physical inactivity, family history of diabetes, and age over 45. Other factors may include high blood pressure and abnormal cholesterol levels.

Which condition is characterized by excessive production of cortisol?

- Addison's disease
- Cushing's syndrome ✓**
- Graves' disease
- Hashimoto's thyroiditis

Cushing's syndrome is the condition characterized by excessive production of cortisol, often due to a tumor or prolonged use of corticosteroid medications.

Which of the following is a symptom of hyperthyroidism?

- Weight gain
- Fatigue
- Increased heart rate ✓**
- Cold intolerance

Hyperthyroidism is characterized by an overactive thyroid gland, leading to symptoms such as increased heart rate, weight loss, and anxiety. Recognizing these symptoms is crucial for diagnosis and treatment.

Which gland is known as the "master gland" of the endocrine system?

- Thyroid gland
- Adrenal gland
- Pituitary gland ✓**
- Pancreas

The pituitary gland is often referred to as the "master gland" because it regulates the functions of other endocrine glands and controls various bodily functions through hormone secretion.

Which test is commonly used to diagnose diabetes mellitus?

- TSH test
- Cortisol level test
- Fasting blood glucose test ✓**
- MRI scan

The most commonly used test to diagnose diabetes mellitus is the fasting plasma glucose test, which measures blood sugar levels after fasting for at least eight hours. Other tests include the oral glucose tolerance test and the hemoglobin A1c test.

What is the primary hormone produced by the pancreas that lowers blood glucose levels?

- Glucagon
- Cortisol
- Insulin ✓**
- Adrenaline

The primary hormone produced by the pancreas that helps to lower blood glucose levels is insulin. Insulin plays a crucial role in regulating blood sugar levels by facilitating the uptake of glucose into cells.

Which diagnostic tests are used to assess thyroid function? (Select all that apply)

- TSH test ✓**
- Free T4 test ✓**
- Fasting glucose test
- MRI of the thyroid

Thyroid function is typically assessed using tests such as TSH (Thyroid Stimulating Hormone), Free T4 (Thyroxine), and Free T3 (Triiodothyronine). These tests help determine the activity level of the thyroid gland and diagnose conditions like hypothyroidism or hyperthyroidism.

Which gland is primarily responsible for regulating metabolism?

- Adrenal gland
- Thyroid gland ✓**
- Pituitary gland
- Pancreas

The thyroid gland is the primary gland responsible for regulating metabolism in the body. It produces hormones that control the speed of metabolic processes, influencing energy levels and overall metabolic rate.

Which interventions are important for managing Addison's disease? (Select all that apply)

- Corticosteroid replacement ✓**
- High-sodium diet ✓**
- Insulin therapy
- Avoid stress ✓**

Managing Addison's disease involves several key interventions, including hormone replacement therapy, monitoring for adrenal crisis, and educating patients about stress management and medication adherence.

Which hormones are involved in the stress response? (Select all that apply)

- Cortisol ✓**
- Insulin
- Epinephrine ✓**
- Thyroxine

The hormones involved in the stress response include cortisol, adrenaline (epinephrine), and norepinephrine. These hormones are released by the adrenal glands and play crucial roles in the body's fight-or-flight response.

What is the main function of the parathyroid hormone?

- Regulate blood sugar levels
- Control metabolism
- Maintain calcium balance ✓**
- Stimulate growth

The parathyroid hormone primarily regulates calcium levels in the blood by increasing calcium absorption in the intestines, promoting calcium reabsorption in the kidneys, and stimulating the release of calcium from bones.

Which hormones are produced by the adrenal cortex? (Select all that apply)

- Cortisol ✓**
- Aldosterone ✓**
- Epinephrine
- Norepinephrine

The adrenal cortex produces several key hormones, including cortisol, aldosterone, and androgens. These hormones play crucial roles in metabolism, blood pressure regulation, and the development of secondary sexual characteristics.

Which of the following are symptoms of diabetes mellitus? (Select all that apply)

- Polyuria ✓**
- Polydipsia ✓**
- Bradycardia
- Weight loss ✓**

Common symptoms of diabetes mellitus include increased thirst, frequent urination, extreme fatigue, and blurred vision. Recognizing these symptoms is crucial for early diagnosis and management of the condition.