

Hyperglycemia occurs due to the excessive levels of cortisol, which raise blood glucose levels in response to cortisol-induced insulin resistance and glucose intolerance, as well as increased gluconeogenesis by the liver.

Hypertension

Hiker-BP

Sustained elevated blood pressure is often seen in patients with this disease due to sodium and water retention. This leads to hypervolemia and edema formation, thereby causing hypertension.

Considerations

Long Term Glucocorticoid Use

Glue-quarter-on-steroids

The most common cause of Cushing's syndrome is the long-term use of corticosteroids, particularly glucocorticoids. Examples include prednisone, dexamethasone, and prednisolone. They are often used to treat conditions, such as asthma, rheumatoid arthritis, or cancer.

Immunosuppression

Moon-suppressed

It is important to be aware that patients with Cushing's syndrome/disease are often immunosuppressed. This places them at increased risk for infection related to their lowered resistance to stress and suppression of the immune system.