

Growth Hormone - somatropin Cheat Sheet by Drosario19 via cheatography.com/144803/cs/31323/

Medication Names

Prototye Med somatropin (Genotropin)

Nutropin

Humatrope

Serostim

ACTION: Stimulates the release of insulin-like growth factor-1, abbreviated IGF-1, from the liver and other tissues.

Therapeutic Use

Growth hormone deficiencies, such as Turner's syndrome

Growth hormone deficiency in adults to increase lean muscle mass

AIDS wasting syndrome

Adverse

Hyperglycemia

Fatality in PWS Clients

Neutralizing antibodies

Contraindications

Severe obesity

Severe respiratory impairment

Closed epiphyses in children

Critical illness

Interactions

Glucocorticoids and adrenocorticotropic hormone counteract growthstimulating effects

Thyroid hormones, estrogens, and androgens promote epiphyseal clo- sure.

Nursing Interventions

Monitor blood glucose levels.

Administration

Give IM or subcutaneously (preferable).

Dosage is based on weight

Given daily or several times a wee

Very costly

Pediatric Clients: Obtain baseline height, weight, thyroid function, and growth hormone levels and monitor monthly; yearly X-rays of long bones

When reconstituting the drug, rotate the vial gently and do not shake it

Inject subcutaneously into the abdomen and thighs and rotate sites.

Discontinue treatment prior to epiphyseal closure in children.

Client Instructions

Injection site should be rotated.

Precautions

Diabetes mellitus

Prader-Willi syndrome

Hypothyroidism

Chronic renal failure



By Drosario19 cheatography.com/drosario19/

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