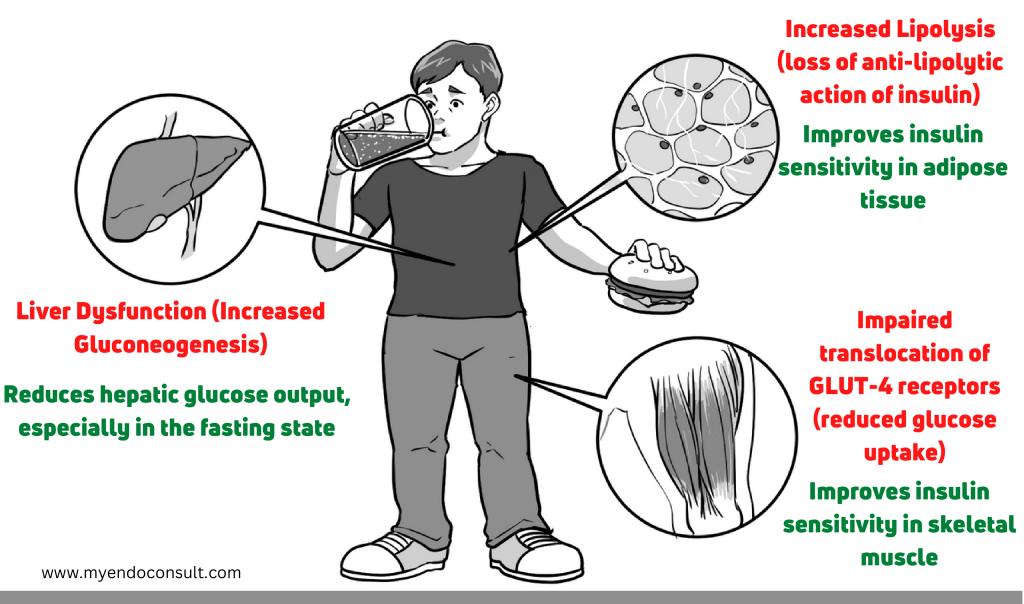
PATHOPHYSIOLOGIC DEFECTS IN T2DM



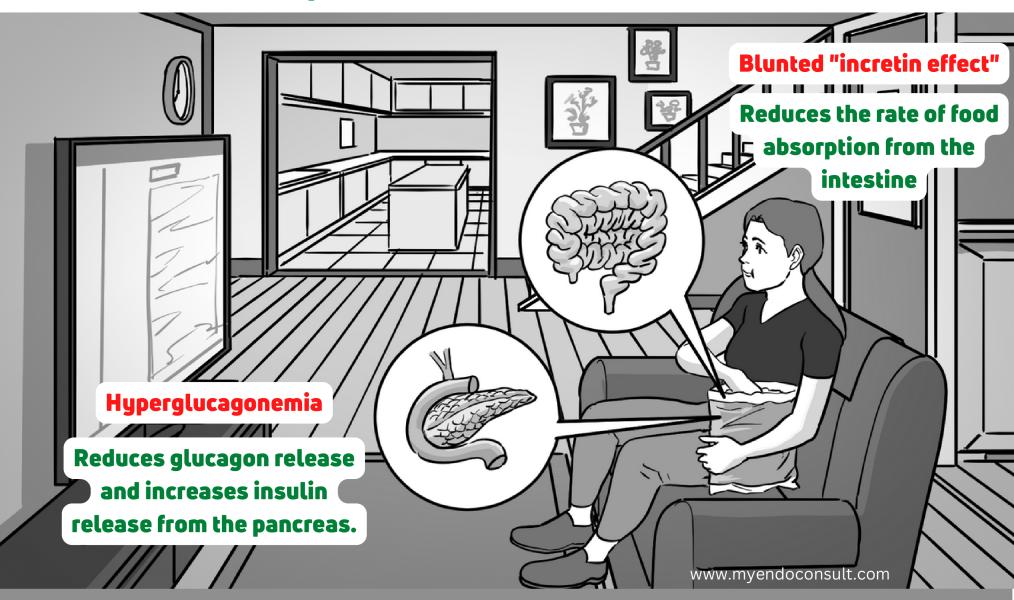
Mechanism of Action of Diabetes Drugs. Review of the **Ominous Octet (and egregious eleven)** of type 2 diabetes mellitus

METFORMIN (BIGUANIDES)



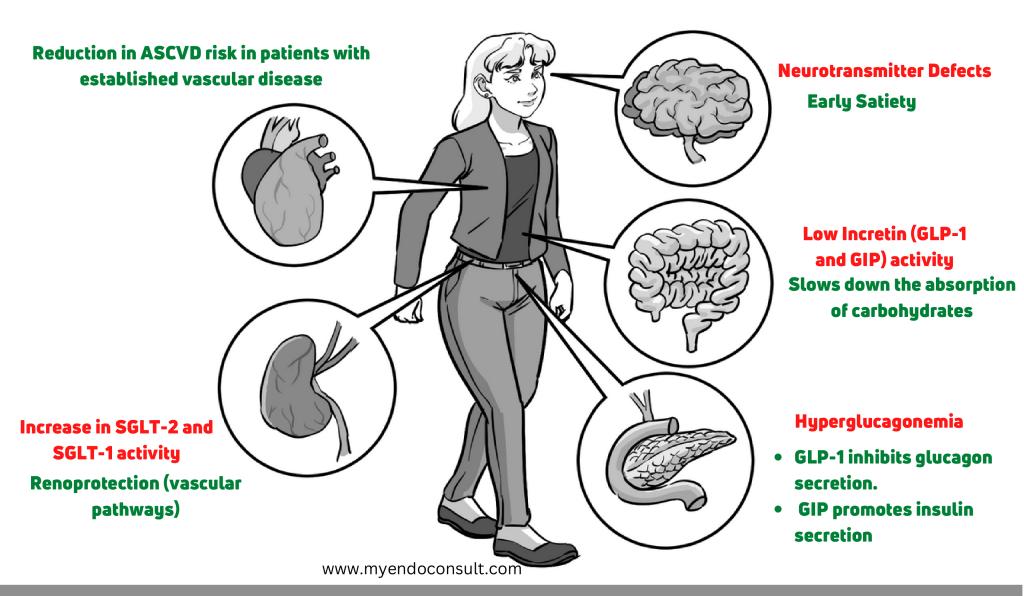
A biguanide reduces the amount of glucose released from the liver and also increases the sensitivity of cells (mainly muscle and fat) to insulin action.

SITAGLIPTIN, LINAGLIPTIN (DPP4 inhibitors)



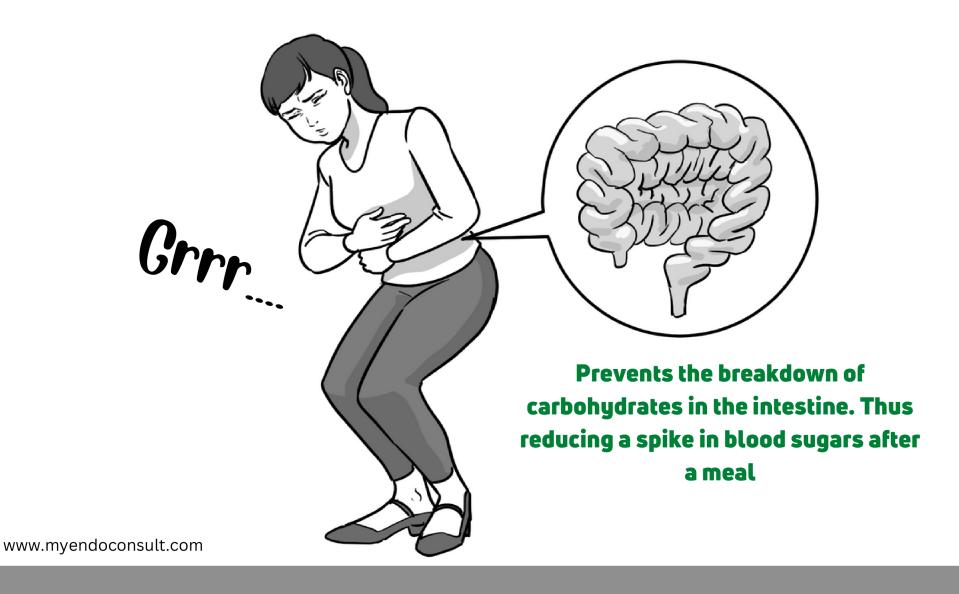
A DPP-4 inhibitor improves the body's ability to use insulin effectively.

LIRAGLUTIDE (GLP-1 AGONISTS)



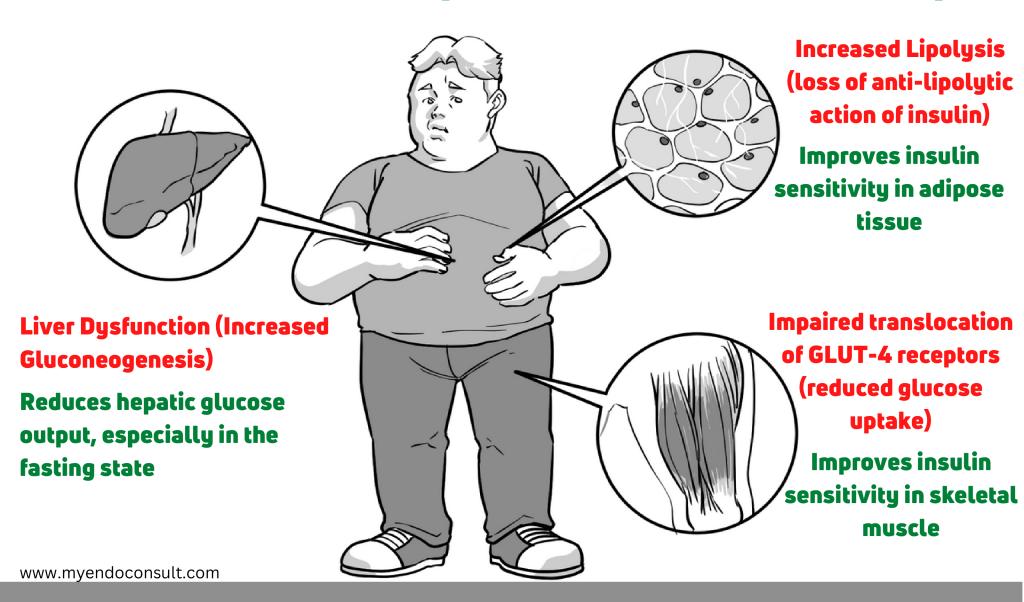
Glucagon-like peptide-1 (GLP-1) agonist is a hormone (specifically an incretin) released by the body in response to food intake.

ACARBOSE (ALPHA GLUCOSIDASE INHIBITOR)



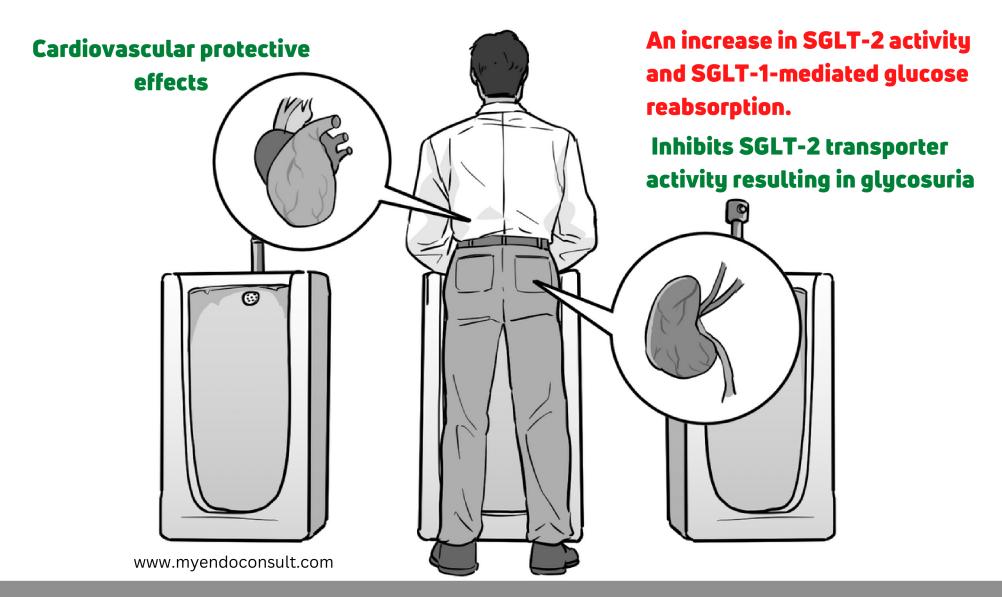
It blocks the enzyme alpha-glucosidase, which is responsible for breaking down carbohydrates in the intestines.

PIOGLITAZONE (THIAZOLIDINEDIONE)



Thiazolidinedione improves the body's insulin sensitivity at various sites, including the liver, skeletal muscle and adipose tissue

EMPAGLIFLOZIN (SGLT-2 inhibitors)



SGLT-2 inhibitors work by blocking sodium-glucose transporters that reabsorb glucose in the proximal tubules of the kidneys, promoting glycosuria

INSULIN THERAPY

Long-acting insulin reduces the release of glucose from the liver

Lantus, Basaglar, Tresiba, Levemir, Toujeo...

Rapid-acting insulin reduces blood sugars after a meal

Novolog, Humalog, Fiasp, Admelog, Lyumjev



www.myendoconsult.com

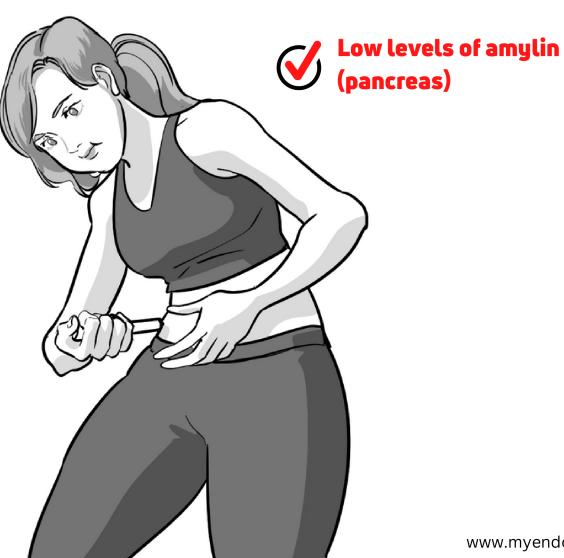
Insulin facilitates the entry of glucose (a source of metabolic fuel) into various cells

PRAMLINTIDE (AMYLIN ANALOG)

Slows the release of food) from the stomach

Reduces the release of glucagon after a meal

Early Satiety



www.myendoconsult.com

Amylin is released in response to the carbohydrates you eat. In addition to helping control blood glucose levels, it also suppresses appetite and reduces feelings of hunger