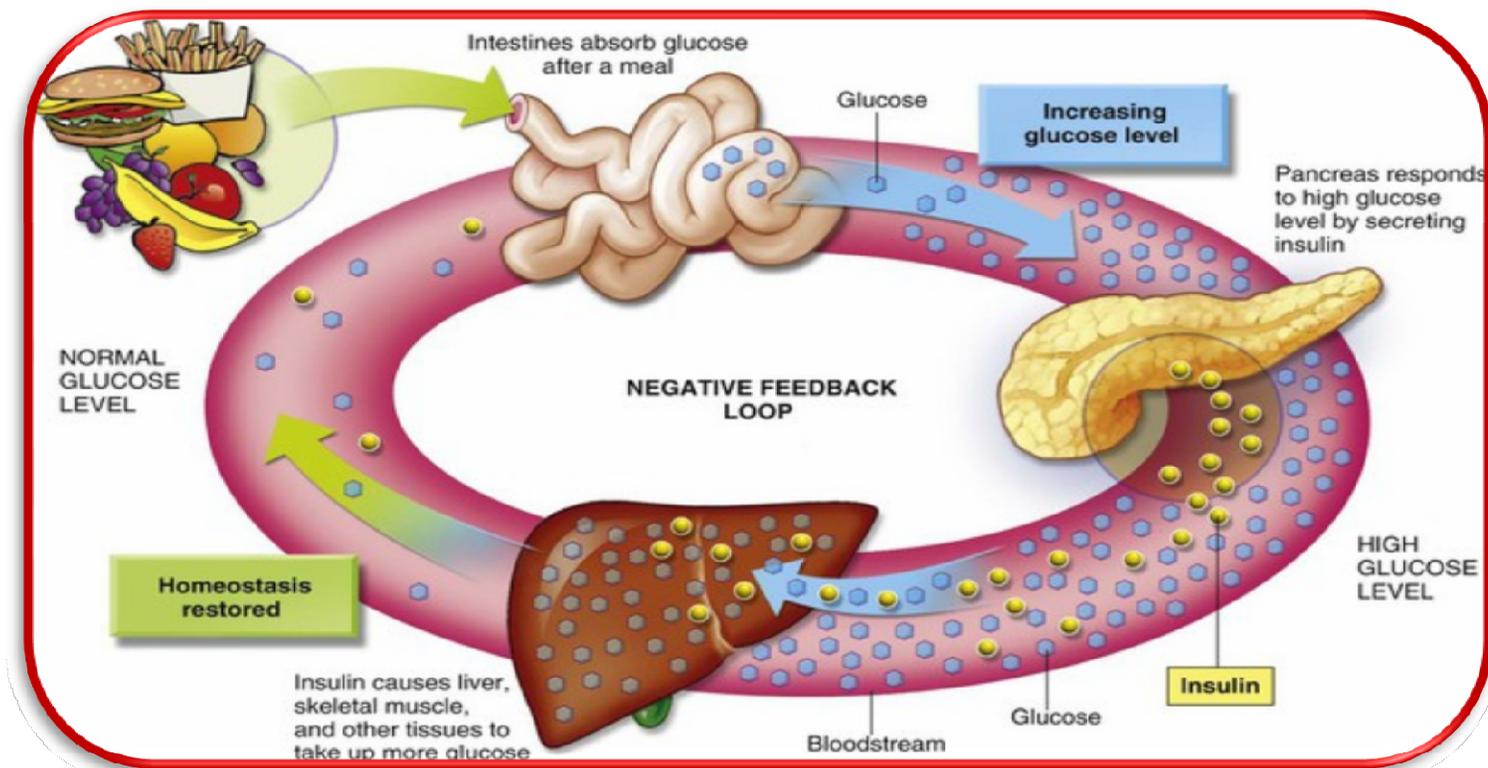


CARBOHYDRATE METABOLISM

Dr . Huda Mahdi



Lecture :3 & 4

- INTRODUCTION
- Metabolism
- Catabolic reactions (catabolism)
- Anabolic reactions (anabolism).
- Digestion of Carbohydrates
- GLYCOLYSIS
- The energy-requiring phase
- The energy-releasing phase
- Glycolysis Pathway

- Energy yield from glycolysis
- The Fate of Pyruvate
- Oxidation to Acetyl CoA
- Reduction to Lactate (Lactate fermentation)
- Reduction to Ethanol (Alcohol fermentation)
- Gluconeogenesis
- The Role of Glucose
- How Gluconeogenesis Works

