



Anatomy and Physiology

- Increased blood glucose levels
- Insulin Release
- Decreased blood glucose levels
- Glucagon release

Type 1 Diabetes

Type 1 diabetes is a disorder in which blood levels of glucose (a simple sugar) are abnormally high because the body doesn't produce insulin adequately

Type 2 Diabetes

Type 2 diabetes is when the pancreas continues to manufacture insulin, sometimes even at higher than normal levels, however, the body develops resistance to its effects, resulting in a relative insulin deficiency

Clinical Characteristics



DKA

- Precipitating factors
- Metabolism of fat
- Ketone production
- Dehydration
- Electrolyte abnormalities
- Acidosis
- S+S (acidosis)
- S+S (dehydration)

HHNK

- Patients at risk
- Glucose levels
- Mortality
- Role of insulin
- S+S
- Treatment

Hypoglycemia

- Onset
- Level of Consciousness.
- Compensation
- History
- S+S
- Treatment

Long-term Complications

- Blood vessels
- Eyes
- Kidneys
- Nerves
- Skin
- Infection

Medications

- Insulin
- Oral Hyperglycemics
  - o Glucophage
  - o Glyburide
  - o Diabenase
  - o Glucotrol
  - o Amaryl

Summary

- Diabetes is a total body disease
- Several undiagnosed diabetics
- Diabetic emergencies can be life threatening
- Multiple presentations of diabetic emergencies
- >50% of DKA episodes preceded by infection