

## Diabetes (production of copious urine)

---

**Insipidus: Inadequate production of Vasopressin**

**Mellitus: Inadequate ability to use or recapture glucose, often an inability to produce or respond to insulin**

**“Disease that mimics starvation; starvation in the midst of plenty.”**

**Type I: Insulin dependent**

**Type II: Insulin independent/ insulin resistant;**

**Some types = overproduction of GH, glucagon, or Cortisol**

---

### Blood Glucose

**↓ Insulin**

**↓ Insulin-Like Growth Factors**

**↑ Glucagon**

**↑ GH**

**↑ Epinephrine**

**↑ Cortisol**