

# Physiologic Effects of Prolactin

- **Direct Prolactin Effects**
  - Breast (mediated through PRL Receptors)
    - Breast development (Gynecomastia)
    - Lactation (Galactorrhea)
- **Indirect Effects**
  - Via GnRH-LH/FSH-sex steroid loop
    - Estrogen-mediated effects
      - Amenorrhea, dysmenorrhea, oligomenorrhea
      - Sexual dysfunction
      - Osteoporosis
    - Testosterone-mediated effects
      - Libido
      - Erectile and ejaculatory dysfunction