**Sex and Gender Differences**

**Breast Cancer**

**Lifetime Prevalence**

- **Breast Cancer Lifetime Prevalence**
  - Nulliparity with BrCa-2 Mutation: 0.1
  - Late Menopause: 6.5
  - FH with Breast Cancer: 12.5

**Risk Factors**

- Factors which lower risk for women:
  - Multiparity
  - Late Menopause
  - Breastfeeding
  - Early Menarche
  - Oral Contraceptives

- Factors which increase risk for women:
  - FH with Breast Cancer BrCa2 Carrier
  - Obesity
  - Mutation
  - Genetics
  - Liver Disease
  - Radiation
  - Alcohol

**Screenings**

- Recommendations vary
  - If risk >20% annual mammogram with MRI
- Guidelines not clear
  - Exam is more accurate than x-ray

**Treatment**

- Treatment is usually the same for both sexes, and may include:
  - Chemotherapy
  - Surgery (lumpectomy vs mastectomy)
  - Radiation (if high grade tumor or positive sentinel node)
  - Anti-Hormone Therapy
    - If Estrogen Receptor+ or Progesterone Receptor+

**Survival**

- Survival rates are equal for men and women after treatment
- Most powerful predictor of outcome is status of sentinel axillary nodes

**To Learn More or Get Involved**

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