Pharmacology Across the Life Span

Content Outline

1. Pharmacokinetics and Pharmacodynamics in the Elderly
   A. Effects of physiologic changes
   B. Anesthetic dosing recommendations

2. Principles of Prescribing in Pregnancy
   A. Effects of physiologic changes during pregnancy
   B. Outcomes related to the timing of exposure to medications
   C. Dosing changes needed for the pregnant population
   D. Breastfeeding and maternal pharmacotherapy
   E. Teratogenic drugs and their effects
   F. Common drugs used during pregnancy

3. Pharmacology of Medications Used for Ovarian Stimulation
   A. Underlying ovarian physiology and pathophysiology
   B. Medications used to induce ovulation and controlled ovarian hyperstimulation
      1. Clomiphene citrate
      2. Letrozole
      3. Gonadotropins
      4. Adjuvant and novel compounds

Reading Material Resources

Module WB2137: Pharmacology Across the Life Span is based on the resources listed below. A copy of each resource is included with the module.


Pharmacology of medications used for ovarian stimulation, Quaas, et al., Best Practice & Research Clinical Endocrinology & Metabolism, 33 (2019), 21-33

Principles of prescribing in pregnancy, Shamy, et al., Obstetrics, Gynaecology and Reproductive Medicine, 28:5, 2018, 136-140