Module WB1555

Objectives

- Compare and contrast classes and mechanisms of action of diuretics for use in neonates
- Review adverse effects and drug interactions of diuretics
- Match the diuretic therapy to various clinical uses
- Describe the target goals of diuretic therapies
- Summarize the efficacy and therapeutic uses of diuretic therapies as illustrated by clinical practice or research studies
- Discuss the pharmacokinetics of diuretics
- Identify new developments in diuretic therapies for neonates

Diuretic Use In Neonates

Content Outline

1. Classes of Diuretics
   1.1 Loop
   1.2 Thiazides
   1.3 Potassium sparing
   1.4 Filtration
   1.5 Osmotic
   1.6 Carbonic anhydrase

2. Pharmacokinetics
   2.1 Mechanism of actions
   2.2 Site of action
   2.3 Adverse effects

3. Clinical Applications
   3.1 Patent ductus arteriosus
   3.2 Respiratory distress syndrome
   3.3 Bronchopulmonary dysplasia
   3.4 Transient tachypnea of the newborn
   3.5 Chronic lung disease
   3.6 Oliguria and edematous states
   3.7 Posthemorrhagic ventricular dilation

4. New Developments in Diuretic Therapy

Reading Material Resources

Module WB1555: Diuretic Use In Neonates is based on the resources listed below. A copy of each resource is included with the module.
