## Document 2: Pharmacology Basics

**Title:** Key Drug Classes for MBBS Students

**Content:**

* **Antibiotics:** Mechanisms (β-lactams inhibit cell wall synthesis), common agents (Amoxicillin, Ceftriaxone), resistance concerns.
* **Analgesics & Antipyretics:** NSAIDs (Ibuprofen, mechanism COX inhibition), Acetaminophen (central COX inhibition), side effects.
* **Antihypertensives:** ACE inhibitors (Enalapril), ARBs (Losartan), Diuretics (Hydrochlorothiazide).
* **Insulin Therapy:** Rapid-acting vs. long-acting formulations, dosing principles.