Proton Pump Inhibitors

Block gastic acid secretion by irreversibly binding to and inhibiting the hydrogen-potassium ATPase pumps on the luminal surfaceof the parietal cell

A PPI must be given 30 to 60 minutes before a full meal

The half-life of all the PPIs is only 1 to 2 hours
If a patient takes a PPI but doesn't eat 60 min later, the medication is out of the system and not effective

Metabolized by CYP2C19 and CYP3A4

Long term side effects:
Increased risk for CAP and C. diff
Hypomagnesemia
Vit B12 malabsorption
Decrease in bone mineral density

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