

Metoclopramide

- Drug Information

Brand Names:

Reglan®, Clopra®, Maxolon®, Octamide®, Reclomide®

Pharmacology:

Upper GI tract motility stimulant

Indications:

Used as a GI stimulant for the treatment of GI stasis, gastroesophageal reflux and as a general antiemetic.

Contraindications:

- General

Contraindicated in GI hemorrhage, obstruction or perforation.
Contraindicated in patients with known sensitivity to this type of drug.
Contraindicated in patients with seizure disorders.
Caution with pheochromocytoma patients.

Interactions:

- General Interactions

May affect the absorption rates of many drugs.

- Category Interactions

- Anticholinergic

Anticholinergics may negate effects.

- CNS depressant

CNS effects may be enhanced by sedatives, tranquilizers and phenothiazines.

- Phenothiazine

Enhanced extrapyramidal (tremors) are possible.

- SSRI-Selective serotonin reuptake inhibitor

Enhanced extrapyramidal (tremors) are possible.

- Tetracycline derivative

Metoclopramide may enhance absorption of tetracyclines.

- Drug Interactions

- Acetaminophen

Metoclopramide may enhance absorption of acetaminophen.

- Aspirin / Acetylsalicylic acid

Metoclopramide may enhance absorption of aspirin.

- Cimetidine

Metoclopramide may enhance absorption of cimetidine.

- Diazepam

Metoclopramide may enhance absorption of diazepam.

- Propofol

Metoclopramide reduces the amount of propofol needed for anesthetic induction in humans - mechanism unknown.

Adverse Effects:

- General

Increased seizure activity has been reported in previously controlled epileptics.

Sedation, hyperactivity and behavior changes are possible.

Constipation is also possible.

- Small Animal

- Cat

Cat may experience excitation, constipation and frenzied behavior.

- Large Animal

- Horse

Horses may experience severe CNS effects with IV use. Sedation and excitement fluctuates. Less common in foals and is thought to be contraindicated in this species by some due to this side effect.

Dosages:**- Small Animal**

- Dog

0.2 - 0.5 mg/kg by mouth, SQ three times daily or 0.01 - 0.02 mg/kg/hour IV infusion (1 - 2 mg/kg in 24 hours)

- Cat

0.2 - 0.4 mg/kg by mouth, SQ every 6 - 8 hours. or 1 - 2 mg/kg in 24 hours of constant rate infusion.

- Rodent

Mice, rat and gerbil: 0.2 - 1 mg/kg by mouth, SQ, IM every 12 hours

- Rabbit

0.5 mg/kg SQ, by mouth every 4 - 12 hours

- Guinea Pig

0.2 - 1 mg/kg by mouth, SQ, IM every 12 hours

- Hamster

0.2 - 1 mg/kg by mouth, SQ, IM every 12 hours

- Large Animal

- Ruminant

0.3 mg/kg SQ every 4 - 6 hours.

- Horse

Use with caution in adults - may cause CNS excitation.

0.02 - 0.1 mg/kg IM or IV 3 - 4 times per day. Foals)

Special Notes:

The use of this drug in veterinary patients is considered extra-label as no veterinary approved product is available. Information regarding its use is derived from general veterinary references such as those listed in the VPR Help File under references. For additional information consult the drug manufacturer. It remains the responsibility of the prescribing veterinarian to familiarize themselves with the package insert or additional information provided by the drug manufacturer.