Oral Glycopyrrolate Therapeutic Cheat Sheet

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TRADE NAME
› Glycate®
› Robinul® and Robinul® Forte
› Cuvposa®

MECHANISM OF ACTION
› Competitive inhibitor of acetylcholine at M3 muscarinic receptor on post-synaptic neurons, thereby inhibiting sympathetic stimulation of eccrine sweat gland and sweat production

FDA APPROVED FOR
› Chronic drooling (Cuvposa®)4

OFF-LABEL USES
› Primary focal hyperhidrosis1-3
  › Axillary hyperhidrosis
  › Facial hyperhidrosis
  › Pediatric and adolescent hyperhidrosis
  › Hailey-Hailey disease8

DOsing
› Children up until age 19: variable dosing regimens have been utilized, weight-based dose of 0.05-0.06 mg/kg/day in 1 or 2 divided doses supported by recent literature4
› Adults: variable dosing regimens have been utilized, 1 to 2 mg once or twice daily, titrating upwards weekly based on treatment response and tolerability supported by literature1,2,4
  › Maximum of 8 mg per day2,7,8

SIDE EFFECTS9-10
› Most commonly (occurring in 15% or more patients): vomiting, dry mouth, constipation, flushing, nasal congestion, sinusitis, upper respiratory tract infection, headache, urinary retention
› Other side effects that may be less common:
  › Mydriasis, increased intraocular pressure
  › Arrhythmias
  › Hypohidrosis
  › Impotence
  › Urinary hesitancy
  › Decreased gastric motility and secretion, pseudo-obstruction
  › Compensatory hyperhidrosis11

CONTRAINdications9-10
› Hypersensitivity to glycopyrrolate
› History of myasthenia gravis
› History of severe ulcerative colitis, toxic megacolon, paralytic ileus, obstructive disease of GI tract, intestinal atony, obstructive uropathy
› Unstable cardiovascular status
› Glaucoma

PREGNANCY & BREASTFEEDING9-10
› No adequate and well-controlled studies of the effects of oral glycopyrrolate on pregnant humans, further study is needed
› Given glycopyrrolate serves as an anti-cholinergic medication, it may suppress lactation
› It is not known if glycopyrrolate is present in breast milk

MONITORING9-10
› Monitor for heart rate, bowel sounds & movements
› No recommended lab monitoring