HYDROXYZINE HYDROCHLORIDE- hydroxyzine hydrochloride syrup Pharmaceutical Associates, Inc.

HydrOXYzine HYDROCHLORIDE SYRUP USP

Rx ONLY

DESCRIPTION

Hydroxyzine hydrochloride is designated chemically as (\pm) -2-[2-[4-(p-Chloro- α -phenylbenzyl)-1-piperazinyl]ethoxy]ethanol dihydrochloride. Its structural formula is as follows:

Inactive Ingredients for Hydroxyzine Hydrochloride Syrup are: alcohol 0.5%; liquid sugar; methylparaben; peppermint oil; propylene glycol; propylparaben; purified water and spearmint oil.

It may also contain citric acid anhydrous or sodium citrate dihydrate for pH adjustment. The pH range is between 2.0 and 4.3.

CLINICAL PHARMACOLOGY

Hydroxyzine hydrochloride is unrelated chemically to the phenothiazines, reserpine, meprobamate, or the benzodiazepines.

Hydroxyzine is not a cortical depressant, but its action may be due to a suppression of activity in certain key regions of the subcortical area of the central nervous system. Primary skeletal muscle relaxation has been demonstrated experimentally. Bronchodilator activity and antihistaminic and analgesic effects have been demonstrated experimentally and confirmed clinically. An antiemetic effect, both by the apomorphine test and the veriloid test, has been demonstrated. Pharmacological and clinical studies indicate that hydroxyzine in therapeutic dosage does not increase gastric secretion or acidity and in most cases has mild antisecretory activity. Hydroxyzine is rapidly absorbed from the gastrointestinal tract and its clinical effects are usually noted within 15 to 30 minutes after oral administration.

INDICATIONS AND USAGE

For symptomatic relief of anxiety and tension associated with psychoneurosis and as an adjunct in organic disease states in which anxiety is manifested.

Useful in the management of pruritus due to allergic conditions such as chronic urticaria and atopic and contact dermatoses, and in histamine-mediated pruritus.

As a sedative when used as premedication and following general anesthesia, **hydroxyzine may potentiate meperidine and barbiturates**, so their use in pre-anesthetic adjunctive therapy should be modified on an individual basis. Atropine and other belladonna alkaloids are not affected by the drug. Hydroxyzine is not known to interfere with the action of digitalis in any way and it may be used concurrently with this agent.

The effectiveness of hydroxyzine as an antianxiety agent for long term use, that is more than 4 months, has not been assessed by systematic clinical studies. The physician should reassess periodically the usefulness of the drug for the individual patient.

CONTRAINDICATIONS

Oral hydroxyzine hydrochloride is contraindicated in patients with known hypersensitivity to hydroxyzine hydrochloride products, and in patients with known hypersensitivity to cetirizine hydrochloride or levocetirizine hydrochloride.

Hydroxyzine, when administered to the pregnant mouse, rat, and rabbit, induced fetal abnormalities in the rat and mouse at doses substantially above the human therapeutic range. Clinical data in human beings are inadequate to establish safety in early pregnancy. Until such data are available, hydroxyzine is contraindicated in early pregnancy.

Hydroxyzine is contraindicated for patients who have shown a previous hypersensitivity to it.

WARNINGS

Keep out of the reach of children.

Nursing Mothers

It is not known whether this drug is excreted in human milk. Since many drugs are so excreted, hydroxyzine should not be given to nursing mothers.

PRECAUTIONS

THE POTENTIATING ACTION OF HYDROXYZINE MUST BE CONSIDERED WHEN THE DRUG IS USED IN CONJUNCTION WITH CENTRAL NERVOUS SYSTEM DEPRESSANTS SUCH AS NARCOTICS, NON-NARCOTIC ANALGESICS AND BARBITURATES. Therefore, when central nervous system depressants are administered concomitantly with hydroxyzine, their dosage should be reduced.

Since drowsiness may occur with use of this drug, patients should be warned of this possibility and cautioned against driving a car or operating dangerous machinery while taking hydroxyzine. Patients should be advised against the simultaneous use of other CNS depressant drugs, and cautioned that the effect of alcohol may be increased.

Geriatric Use

A determination has not been made whether controlled clinical studies of hydroxyzine included sufficient numbers of subjects aged 65 and over to define a difference in response from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients. In general, dose selection for an elderly patient should be cautious, usually starting at the low end of the dosing range, reflecting the greater frequency of decreased hepatic, renal or cardiac function, and of concomitant disease or other drug therapy.

The extent of renal excretion of hydroxyzine has not been determined. Because elderly patients are more likely to have decreased renal function, care should be taken in dose selections.

Sedating drugs may cause confusion and oversedation in the elderly; elderly patients generally should

be started on low doses of hydroxyzine and observed closely.

ADVERSE REACTIONS

Side effects reported with the administration of hydroxyzine hydrochloride are usually mild and transitory in nature.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088 or www.fda.gov/medwatch. You may also report side effects to Pharmaceutical Associates at 1-800-845-8210.

Skin and Appendages

Oral hydroxyzine hydrochloride is associated with fixed drug eruptions in postmarketing reports.

Anticholinergic

Dry mouth.

Central Nervous System

Drowsiness is usually transitory and may disappear in a few days of continued therapy or upon reduction of the dose. Involuntary motor activity including rare instances of tremor and convulsions have been reported, usually with doses considerably higher than those recommended. Clinically significant respiratory depression has not been reported at recommended doses.

OVERDOSAGE

The most common manifestation of hydroxyzine overdosage is hypersedation. As in the management of overdosage with any drug, it should be borne in mind that multiple agents may have been taken.

If vomiting has not occurred spontaneously, it should be induced. Immediate gastric lavage is also recommended. General supportive care, including frequent monitoring of the vital signs and close observation of the patient, is indicated. Hypotension, though unlikely, may be controlled with intravenous fluids and levarterenol, or metaraminol. Do not use epinephrine as hydroxyzine counteracts its pressor action.

There is no specific antidote. It is doubtful that hemodialysis would be of any value in the treatment of overdosage with hydroxyzine. However, if other agents such as barbiturates have been ingested concomitantly, hemodialysis may be indicated. There is no practical method to quantitate hydroxyzine in body fluids or tissue after its ingestion or administration.

DOSAGE AND ADMINISTRATION

For symptomatic relief of anxiety and tension associated with psychoneurosis and as an adjunct in organic disease states in which anxiety is manifested: in adults, 50 to 100 mg q.i.d.; children under 6 years, 50 mg daily in divided doses and over 6 years, 50 to 100 mg daily in divided doses.

For use in the management of pruritus due to allergic conditions such as chronic urticaria and atopic and contact dermatoses, and in histamine-mediated pruritus: in adults, 25 mg t.i.d. or q.i.d.; children under 6 years, 50 mg daily in divided doses and over 6 years, 50 to 100 mg daily in divided doses.

As a sedative when used as a premedication and following general anesthesia: 50 to 100 mg in adults, and 0.6 mg/kg in children.

When treatment is initiated by the intramuscular route of administration, subsequent doses may be administered orally.

As with all medications, the dosage should be adjusted according to the patient's response to therapy.

HOW SUPPLIED

Hydroxyzine Hydrochloride Syrup, USP 10 mg per 5 mL (teaspoonful) is a colorless, peppermint-flavored syrup, supplied in the following oral dosage forms: NDC 0121-4822-12 (unit dose cups of 12.5 mL) and NDC 0121-4822-25 (unit dose cups of 25 mL).

RECOMMENDED STORAGE

Store at 20° to 25°C (68° to 77°F) [See USP Controlled Room Temperature].

PROTECT FROM FREEZING

PROTECT FROM LIGHT

Manufactured By:

Morton Grove Pharmaceuticals, Inc.

Morton Grove, IL 60053

Packaged by:

pai

Pharmaceutical

Associates, Inc.

Greenville, SC 29605

www.paipharma.com

R08/14

PRINCIPAL DISPLAY PANEL - 25 mL Dose Cup Label

Delivers **25 mL NDC 0121-4822-25**

HydrOXYzine

Hydrochloride Syrup USP

50 mg /25 mL

Alcohol 0.5%

Rx ONLY

FOR INSTITUTIONAL USE ONLY

Mfg. by: MORTON GROVE PHARMACEUTICALS, INC.

MORTON GROVE, IL 60053

Pkg. by: PHARMACEUTICAL ASSOCIATES, INC.

GREENVILLE, SC 29605

SEE INSERT

A48222500



HYDROXYZINE HYDROCHLORIDE

hydroxyzine hydrochloride syrup

Product Information				
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:0121-4822(NDC:60432-150)	
Route of Administration	ORAL			

Active Ingredient/Active Moiety			
Ingredient Name	Basis of Strength	Strength	
Hydroxyzine Hydrochloride (UNII: 76755771U3) (Hydroxyzine - UNII:30S50YM8OG)	Hydroxyzine Hydrochloride	10 mg in 5 mL	

Inactive Ingredients	
Ingredient Name	Strength
alcohol (UNII: 3K9958V90M)	
Sucrose (UNII: C151H8M554)	
Methylparaben (UNII: A2I8C7HI9T)	
Peppermint oil (UNII: AV092KU4JH)	
Propylene glycol (UNII: 6DC9Q167V3)	
Propylparaben (UNII: Z8IX2SC1OH)	
Spearmint oil (UNII: C3M8 1465G5)	

Water (UNII: 059QF0KO0R)	
Citric Acid Monohydrate (UNII: 2968PHW8QP)	
Sodium Citrate (UNII: 1Q73Q2JULR)	

Product Characteristics			
Color		Score	
Shape		Size	
Flavor	PEPPERMINT	Imprint Code	
Contains			

P	Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date	
1	NDC:0121-4822- 25	4 in 1 CASE			
1		10 in 1 TRAY			
1		25 mL in 1 CUP, UNIT-DOSE; Type 0: Not a Combination Product			
2	NDC:0121-4822- 12	4 in 1 CASE			
2		10 in 1 TRAY			
2		12.5 mL in 1 CUP, UNIT-DOSE; Type 0: Not a Combination Product			

Marketing Information			
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA087294	0 1/0 1/20 15	

Labeler - Pharmaceutical Associates, Inc. (044940096)

Establishment			
Name	Address	ID/FEI	Business Operations
Pharmaceutical Associates, Inc.		097630693	REPACK(0121-4822)

Establishment				
Name	Address	ID/FEI	Business Operations	
Morton Grove		801897505	MANUFACTURE(0121-4822)	

Revised: 3/2015 Pharmaceutical Associates, Inc.