CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER: 40276

DRAFT FINAL PRINTED LABELING

SAMPLE



DESCRIPTION:

Phentermine hydrochloride Phas the chemical name of $\approx \infty$ -Dimethylphenethylamine hydrochloride. The structural formula is as follow: CH_3



Phentarmine hydrochieves is a white, odorless, hygroscopic, crystalline powder which is soluble in water and lower atcohols, slighter pluble in chloroform and insoluble in ether. Phentarmine hydrochieve, an anorectic agent for oral administration, is available as a tablet containing 37.5 mg of phentermine hydrochieve (equivalent to 30 mg phentermine base). In addition, each tablet contains the following inactive ingredients: citric acid, corn starch, lactose monohy-drate, magnesium stearate, microcrystalline cellulose, and stearic acid.

CLINICAL PHARMACOLOGY:

CLINECAL BHARMACOLOGY: PhoedExaline hydrochioride is a sympathomimetic amine with pharmacologic activity similar to the prototype frungs of this class used in obesity, the ampletamines. Actions include central nervous system stimulation and elevation of blood pressure. Tachyphylaxis and tolerance have been demonstrated with all drugs of this class is which lines abetomera have been locked for. Drugs of this class used in obesity are commonly known as "anorectics" or "anorexigenics". It has not been established that the action of such drugs in treating obesity is primarily one of appetite suppression. Other cen-tral nervous system actions, or metabolic effects, may be involved, for example. Adult obes subjects instructed in dietary management and treated with "anorectic" drugs, lose more weight on the average than those treated with placebo and diet, as determined in relatively short term clinical trials. The magnitude of increased weight loss of drug-treated patients over placebo-treated patients is only a fraction of a pound a week. The rate of weight loss is greatest in the first weeks of therapy for both drug and placebo subjects and tends to decrease in succeeding weeks. The possible origins of the increased weight loss a drug-treated patients over placebo-treated patients is our placebo treated patients is our placebo-treated patients to be related in part to vari-ables other than the drugs prescribed, such as the physician-investigator, the population treated and the dire ables other than the drug prescribed, such as the relative importance of the drug and on-drug factors on

prescribed. Studies do not permit conclusions as the prince inmoving and the dress of the drug and nor-drug factors on weight loss. The natural history of obesity is measured in years, whereas the studies cited are restricted to a few weeks' duration; thus, the total impact of drug-induced weight loss over that of diet alone must be considered clinically limited.

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INDICATIONS AND USAGE:

INDICATIONS AND USAGE: Phentermine hydrochloride is indicated as a short-term (a few weeks) adjunct in a regimen of weight reduction based on exercise, behavioral modification and caloric restriction in the management of exogenous obesity for patients with an initial body mass Index ≥30 kg/m², or ≥27 kg/m² in the presence of other risk factors (e.g., hypertension, disabetes, hyperkjokemia). Below is a chart of Body Mass Index (BMI) based on various heights and weights. BMI is calculated by taking the patient's weight, in kilograms (kg), divided by the patient's height, in meters (m), squared. Metric conversions are as follows: counde : 2 — but instead to 0.054 — meters

pounds ÷ 2.2 = kg; inches x 0.0254 = mete

BODY MASS INDEX (BMI), ko/m³

	He	Height (feet, inches)					
Neight (pounds)	5'0"	5'3"	5'8"	5'9"	6'8"	8'3 "	
140	27	25	23	21	19	18	
150	29	27	24	22	20	19	
160	31	28	26	24	22	20	
170	33	30	28	25	23	21	
180	35	32	29	27	25	23	
190	37	34	31	28	26	24	
200	39	36	32	30	27	25	
210	41	37	34	31	29	26	
220	43	39	36	33	30	28	
230	45	41	37	34	31	29	
240	47	43	39	36	33	30	
250	49	44	40	37	34	31	

The limited usefulness of agents of this class (see CLINICAL PHARMACOLOGY) should be measured against possible risk factors inherent in their use such as those described below.

CONTRAINDICATIONS:

Advanced atteriosclerosis, cardiovascular disease, moderate to severe hypertension, hyperthyroidism, know Nonanced interforcements, carlovascular unsease, inductate to server rippertension, inpertury outsin, know hypersensitivity or idiosyncarsu to the sympathomimetic amines, glaucoma. Apitated states. Patients with a history of drug abuse. During or within 14 days following the administration of monoamine oxidase inhibitors (hypertensive crises more result).

may result).

WARNINGS

WARNINGS: Phonormises hydrochloride tablets are indicated only as short-term monotherapy for the management of exogenous obscily. The safety and efficacy of combination therapy with phontermine and any other drug products for weight loss, including selective sarotonin reuptake inhibitors (e.g., fluexcline, sertraine, fluwersamine, percentine), have not been established. Therefore, coadministration of these drug products for weight loss is not recommended.

Primary Pulmonary Hypertension (PPH) - a rare, frequently latal disease of the lungs - has been reported to occur in patients receiving a combination of phentermine with ferificramine or destentilaramine. The possibility of an association between PPH and the use of phentermine alone cannot be raided out; there have been stare cance of PPH to patients who reportedly have taken phentermine alone. The initial symptoms mine alone. The initial symptoms

of PPH is usually dyspnea. Other initial symptoms include: angina pectoris, syncope or lower extremity edema. Patients should be advised to report immediately any deterioration in exercise tolerance. Treatment should be discentioned in patients who develop new, unexplained symptoms of dyspnea, angina pectoris, syncope or lower extremity edema.

Note: scaping scaping scaping scape. While scaping scaping scape. While scape scap

Tolerance to the anorectic effect usually develops within a faw weeks. When this occurs, the recommended dose should not be exceeded in an attempt to increase the effect, rather, the drug should be discontinued. Phentermine hydrochloride may impair the ability of the patient to engage in potentially hazardous activities such as operating machinery or driving a motor vehicle; the patient should therefore be cautioned accordingly.

Usage with Alcohol: Concomitant use of alcohol with phentermine hydrochloride may result in an adverse drug interaction

PRECAUTIONS:

General: Caution is to be exercised in prescribing phentermine hydrochloride for patients with even mild hypertension. Insulin requirements in diabetes meltitus may be attered in association with the use of phentermine

hydrochioride and the concentiant dietary regime. Phentermine hydrochioride may decrease the hypotensive effect of guanethidine. The least amount feasible should be prescribed or dispensed at one time in order to minimize the possibility of overdosage.

Carcinogenesis, Mutagenesis, Impairment of Fertility: Studies have not been performed with Phenermine hydrocholoide to determine the potential for carcinogenesis, mutagenesis or impairment of fertility. Pregnancy - Teratogenic Effects: Pregnancy Category C. Animal reproduction studies have not been conducted with phenermine hydrochloride. It is also not known whether phentermine hydrochloride can cause fetal harm when administered to a pregnant woman or can affect reproductive capacity. Phentermine hydrochloride should be given to a pregnant woman only if clearly needed.

Nursing Mothers: Because of the potential for serious adverse reactions in nursing infants, a decision should be made whether to discontinue nursing or to discontinue the drug, taking into account the importance of the drug to the mother

Pediatric Use: Safety and effectiveness in pediatric patients have not been established

ADVERSE REACTIONS:

Cardiovaecular: Primary pulmonary hypertension and/or regurgitant cardiac valvular disease (see WARNINGS), palpitation, tachycardia, elevation of blood pressure.

Oentral Nervous System: Overstimulation, restlessness, dizziness, insomnia, euphoria, dysphoria, tremor, headache; rarely psychotic episodes at recommended doses.

Gestrointestinal: Dryness of the mouth, unpleasant taste, diarrhea, constipation, other gastrointestinal disturbances

Allergic: Urticaria.

Endocrine: Impotence, changes in libido.

DRUG ABUSE AND DEPENDENCE:

DRUG ABUSE AND DEPENDENCE: Phentarmine hydrochloride is related chemically and pharmacologically to the amphetamines. Amphetamines and related stimulant drugs have been extensively abused, and the possibility of abuse of phentermine hydrochloride should be kept in mind when evaluating the desirability of including a drug as part of a weight reduction program. Abuse of amphetamines and related drugs may be associated with intense psychological dependence and severe social dystimuction. There are reports of patients who have increased the dosage to many times that recommended. Abrupt cessation following prolonged high dosage administration results in extreme fatigue and mental depression; changes are also noted on the steep EEG. Marifestations of chronic intoxication with anorectic drugs include severe dermatoses, marked insomnia, irritability, hyperactivity, and personality changes. The most severe manifestation of chronic intoxications is psychosis, often clinically indis-tinguishable from schizophrenia.

OVERDOSAGE:

AveranceSubers of acute overdosage with phentermine include restlessness, tremor, hyperreflexia, rapid respira-tion, confusion, assaultheness, hallucinations, panic states. Fatigue and depression usually follow the central stimulation. Cardiovascular effects include arrhythmias. hypertension or hypotension and circulatory collapse. Gastrointestinal symptoms include nausea, vomiting, diarrhee, and abdominal cramps. Fatal poisoning usually

Gastrointestmal symptoms include nause, vomiting, diarree, and abdominal cramps, ratal poisoning usuary terminates in convulsions and come. Management of acute phentermine intoxication is largely symptomatic and includes lavage and sedation with a barbiturate. Experience with hemodialysis or peritoneal dialysis is inadequate to permit recommendations in this regard. Acidification of the urine increases phentermine excetion. Intravenous phentolamine (Regitine[®], CIBA) has been suggested for possible acute, severe hypertension, if this complicates phentermine overdosage. DOSAGE AND ADMINISTRATION:

Exogenous Obesity: Dosage should be individualized to obtain an adequate response with the lowest effective dose.

emecure uose. The usual adult dose is one tablet (37.5 mg) daily, administered before breakfast or 1 to 2 hours after break-fast. The dosage may be adjusted to the patient's need. For some patients 1/2 tablet (18.75 mg) daily may be adequate, while in some cases it may be desirable to give 1/2 tablet (18.75 mg) two times a day. Late evening medication should be avoided because of the possibility of resulting insomnia. Phentermine is not recommended for use in patients sixteen (16) years of age and under.

HOW SUPPLIED:

HOW SUPPLIED: Phentermine Hydrochloride Tablets, USP are supplied as follows: 37.5 mg — Each white, scored, capsule shaped tablet imprinted with *R* 318 contains 37.5 mg of Phentermine hydrochloride, USP (equivalent to 30 mg Phentermine base). Tablets are supplied in bottles of 100 without a child-resistant closure (NDC 0228-3016-10), 100 with a child-resistant closure (NDC 0228-3016-11), and 1000 (NDC 0228-3016-96).
Dispense in a tight container as defined in the USP, with a child-resistant closure (as required).
Store at controlled room temperature 15°-30°C (59°-86°F).

R only

Manufactured by: PUREPAC PHARMACEUTICAL CO. Elizabeth, NJ 07207 USA

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