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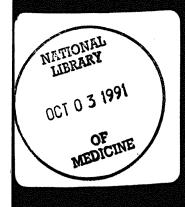
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The American Journal of Medicine



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or Complete Table of Contents, See Pages A4, A8, A14,

MAXAIR

pirbuterol acetate inhalation aerosol

. Bronchodilator Aerosol For Inhalation Only BRIEF SUMMARY

DRIEF SUMMANT
IMPLICATIONS AND USAGE: MAXAIR Inhaler is indicated for the prevention and reversal of bronchospasm in patients with reversible bronchospasm including asthma. It may be used with or without concurrent the

patients will deterable.

And/or steroid therapy.

CONTRAINDICATIONS: MAXAIR is contraindicated in patients with a history of hypersensitivity to any of its

CONTRAINDICATIONS: MAXAIR is contraindicated in patients with a history of hypersensitivity to any of its ingredients.

WARNINGS: As with other beta adrenergic aerosols, MAXAIR should not be used in excess. Controlled clinical studies and other clinical experience have shown that MAXAIR like other inhaled beta adrenergic agonists can produce a significant cardiovascular effect in some patients, as measured by pulse rate, blood pressure, symptoms, and/or ECG changes. As with other beta adrenergic aerosols, the potential for paradoxical bronchospasm (which can be lite threatening) should be kept in mind. If it occurs, the preparation should be discontinued immediately and alternative therapy instituted.

Fatalities have been reported in association with excessive use of Inhaled sympathomimetic drugs. The contents of MAXAIR Inhaler are under pressure. Do not puncture. Do not use or store near heat or open frame. Exposure to temperature above 120°F may cause bursting. Never throw container into fire or incinerator. Keep out of reach of children.

PRECAUTIONS: General — Since pirtuterol is a sympathomimetic amine, it should be used with caution in patients with cardiovascular disorders, including ischemic heart disease, hypertension, or cardiac arrhythmias, in patients with cardiovascular disorders, including ischemic heart disease, hypertension, or cardiac arrhythmias, in patients with hyperthyroidism or diabetes mellitus, and in patients who are unusually responsive to sympathomimetic amines or who have convulsive disorders. Significant changes in systolic and disstolic blood pressure could be expected to occur in some patients after use of any beta adrenergic aerosol broncholdiator. Information for Patients — MAXAIR effects may last up to five hours or longer. It should not be used more often than recommended and the patient should not increase the number of inhalations or frequency of use without first asking the physician. If symptoms of asthmag egh worse, adverse reactions occur, or the patient does not respon

asking the physician. If symptoms of asthmaget worse, adverse reactions occur, or the patient does not respond to the usual dose, the patient should be instructed to contact the physician immediately. The patient should be advised to see the illustrated Directions for Use.

Drug Interactions — Other beta adrenergic aerosol bronchodilators should not be used concomitantly with MAXAIR because they may have additive effects. Beta adrenergic agonists should be administered with caution to patients being treated with monoamine oxidase inhibitors or tricyclic antidepressants, since the action of beta adrenergic agonists on the vaccular system may be potentiated.

Carcinogenesis, Mutagenesis and Impairment of Ferrillity — Probuterol hydrochloride administered in the diet or last for 24 months and to mice for 18 months was free of carcinogenic activity at doses corresponding to 200 times the maximum human inhalation dose. In addition, the intragastric influence of the diet or action of 22-month rat study. Studies with pirtulerol revealed no evidence of impaired betrilly.

Teratogenic Effects — Pregnancy Category C — Reproduction studies have been performed in rats and rabbits by the inhalation outle at doses up to 12 times (rat) and 16 times (rabbit) the maximum human inhalation dose and have revealed no significant findings. A climal reproduction studies in rats at oral doses up to 300 mg/kg and in rabbits at oral doses up to 100 mg/kg have shown no adverse effect on reproductive behavior, retrilly, luter size peria- and postarial viability or fetal development, in rabbits at the highest dose level given, 300 mg/kg, abortions and fetal mortality were observed. There are no adequate and well controlled studies have shown more and maximum human inhalation dose and fetal mortality were observed. There are no adequate and well controlled studies have been pregnancy only if the potential benefit justifies the potential risk to the fetus.

Nursing Mothers — It is not known whether MAXAIR is excreted in human mik. Therefore,

dermatitis.

The following rates of adverse reactions during three-month controlled clinical trials involving 310 patients are noted. The table does not include mild reactions.

Reaction	Pirbuterol N = 157	Metaproterenol N = 153	Reaction	Pirbuterol N = 157	Metaproterenol N = 153
Central Nervous System			Gastrointestinal		
tremors	1.3%	3.3%	nausea	1.3%	2.0%
nervousness	4.5%	2.6%	diarrhea	1.3%	0.7%
headache	1.3%	2.0%	dry mouth	1.3%	1.3%
weakness	.0%	1.3%	vomiting	.0%	0.7%
drowsiness	.0%	0.7%	Dermatological		******
dizziness	0.6%	.0%	skin reaction	.0%	0.7%
Cardiovascular	0.070		rash	.0%	1.3%
palpitations	1.3%	1.3%	Other		
tachycardia	1.3%	2.0%	bruisina	0.6%	.0%
Respiratory		2.070	smell/taste change	0.6%	.0%
chest pain/tightness	1.3%	.0%	backache	.0%	0.7%
cough	.0%	0.7%	fatique	.0%	0.7%
	.0 /0	0.770	hoarseness	.0%	0.7%
		ľ	nasal congestion	.0%	0.7%

OVERDOSAGE: The expected symptoms with overdosage are those of excessive beta-stimulation and/or any of the symptoms listed under adverse reactions, e.g., angina, hypertension or hypotension, arrhythmias, nervousness, headache, termor, dry mouth, palpitation, nausea, dizziness, fatigue, malaise, and insomnia. Treatment consists of discontinuation of piributerol together with appropriate symptomatic therapy. The oral acute lethal dose in male and termale rats and mice was greater than 2000 mg base/kg. The aerosol acute lethal dose was not determined.

CAUTION: Federal law prohibits dispensing without prescription. Store between 15° and 30°C (59° to 86°F). For full prescribing information, see package insert.

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Nonsteroidal Anti-Inflammatory Drug-Associated Gastropathy: Incidence and Risk Factor Models

James F. Fries, Catherine A. Williams, Daniel A. Bloch, Beat A. Michel

The individual clinical variables appearing to be predictive of serious GI events in this study included age, disability, NSAID dose, previous GI hospitalization, prior GI complaints with NSAIDs, and use of prednisone, antacids, or H_2 -antagonists.

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The Low Risk of Upper Gastrointestinal Bleeding in Patients Dispensed Corticosteroids

Jeffrey L. Carson, Brian L. Strom, Rita Schinnar, Amy Duff, Ellen Sim

This study demonstrates that the incidence of bleeding in patients exposed to corticosteroids is very low and suggests that prophylactic therapy should be reserved for high-risk patients, if it is to be used at all.



229 Weekly Subcutaneous Recombinant Human Erythropoietin Corrects Anemia of Progressive Renal Failure Anthony R. Zappacosta, Susan T. Perras, Alisa Bell

Subcutaneous rHuEPO administered weekly was found to correct anemia in predialysis and peritoneal dialysis patients. Weekly dosing is more convenient for patients and may be less costly for Medicare

providers.

233 Acute and Sustained Changes in Sodium Balance During Nifedipine Treatment in Essential Hypertension

Francesco P. Cappuccio, Nirmala D. Markandu, Giuseppe A. Sagnella, Donald R.J. Singer, Michelle A. Miller, Martin G. Buckley, Graham A. MacGregor

The GITS formulation of nifedipine was shown not only to cause a reduction in blood pressure in patients with essential hypertension but to cause an acute increase in both sodium and water excretion with significant declines in plasma ANP, significant increases in PRA and aldosterone, and a significant weight loss. After 1 month of treatment, nifedipine was withdrawn, causing significant sodium and water retention, a significant weight gain, and a return of hormone levels to baseline.

239 Niacin Revisited: Clinical Observations on an Important but Underutilized Drug

Yaakov Henkin, Albert Oberman, David C. Hurst, Jere P. Segrest

The authors examine their experience with niacin, alone and in combination with other drugs, in the treatment of 82 dyslipidemic patients. Although niacin was generally well tolerated and efficacious, they report a high incidence of hyperglycemia in heart transplant recipients, as well as a high incidence of hepatitis associated with sustained-release preparations. The authors conclude that the availability of sustained-release niacin as a nonprescription drug is unjustified and should be reexamined.

247 Increased All-Cause and Cardiac Morbidity and Mortality Associated with the Diagonal Earlobe Crease: A Prospective Cohort Study

William J. Elliott, Theodore Karrison

The finding that patients with diagonal ELCs may have higher cardiac morbidity and mortality rates could be useful in identifying patients who need further screening for cardiac disease, or who may need further control of modifiable cardiac risk factors. This may be particularly helpful in the case of identifying those who might otherwise have "sudden death" as the first symptom of CAD.

The Do-Not-Resuscitate Order: A Comparison of Physician and Patient Preferences and Decision-Making Mark H. Ebell, David J. Doukas, Mindy A. Smith

A comparison of the decision-making and preferences regarding DNR orders of a group of family physicians with a group of outpatients from a family practice center shows that there are significant similarities and differences in the way physicians and patients make these decisions



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