

**In chronic bronchitis and asthma Choledyl provides effective theophylline blood levels for more than 6 hours : kite.**

**Contributors**

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KITE.



In chronic bronchitis and asthma

## **CHOLEDYL\*** provides effective theophylline blood levels for more than 6 hours

Choledyl, which is choline theophyllinate BP, differs from other preparations of theophylline in that it is a true salt which is stable and freely soluble in water. Compared to aminophylline, it is more soluble, more stable, better absorbed from the gastrointestinal tract, and less irritating to the gastric mucosa.<sup>1</sup>

It is established that theophylline is an effective bronchodilator drug but, in order to achieve this effect, the blood levels must be at least 0.5 mg per 100 ml. When given orally most preparations of theophylline, including aminophylline, fail to provide effective blood levels unless given in dosages which cause gastric irritation in a high proportion of patients. It has been shown that Choledyl, given in well-tolerated quantities, is able to provide effective blood levels of theophylline. One of the more recent papers<sup>2</sup> showed that following single doses of Choledyl 500 mg in adults the blood theophylline levels were in excess of 0.5 mg per 100 ml within an hour; they reached a peak of 0.84 mg per 100 ml at 4 hours, and were still above the therapeutic level at the end of 6 hours when no further investigations were made.

1. Goodman, L.S. and Gilman, A. (1965) *The Pharmacological Basis of Therapeutics*, 3rd Edition.

2. David, A. and Merton, O. (1965) *Practitioner* 194, 511.

**DOSAGE** Adults: 0.6 gramme to 1.6 gramme daily, in divided doses. Children: over 6 years: 300 mg to 400 mg daily, in divided doses. Under 6 years: Choledyl should be administered in the form of Choledyl Syrup:- under 1 year: 7.5 mg per 1 lb body weight daily, in divided doses. 1 to 3 years: 150 mg to 225 mg daily, in divided doses. 3 to 6 years: up to 300 mg daily, in divided doses. In all cases Choledyl should be taken after a meal.

**PRESENTATION** Choledyl is available in tablets containing 100 mg or 200 mg choline theophyllinate BP, in bottles of 100 and 500 and as a syrup containing 12.5 mg choline theophyllinate BP per ml in bottles of 114 ml (4 fl ozs) and 2 litres.

The basic NHS cost for a bottle of 100 tablets is 9/4d for the 100 mg strength, 12/- for the 200 mg strength and 6/- for a bottle of Choledyl Syrup.

\* Under licence from Warner-Lambert Pharmaceutical Co., New Jersey, U.S.A., owners of the trade mark.

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