

Clinical and haematological improvement continued after cessation of therapy one week later. Sternal puncture was not considered justifiable or essential.

COMMENT

The granulopenia in this case probably dated from a sensitisation of the bone-marrow by phenacetin, and was undoubtedly intensified by the advent of a haemolytic streptococcal infection of the throat, and of glandular fever.

Convalescence was complete and uneventful after an illness lasting four weeks, and tonsillectomy has now to be considered. The decision to withhold chemotherapy proved somewhat providential when the blood count became known, and this case is therefore not without a moral.

CASE II

A CASE OF BRONCHIAL ASTHMA WITH DEATH FROM CARDIAC FAILURE

Although it is commonly stated in the textbooks that death during an attack of bronchial asthma is almost unknown, it is probable that fatal acute failure of the right ventricle is not uncommon, more particularly during the status asthmaticus. The following is an account of such a case.

CASE NOTE

A young married woman of 25 was first seen in a severe attack of bronchial asthma on August 1st, 1942. She had been subject to such attacks for ten years, and three years previously was fully investigated in hospital, where an infected antrum was drained. Thereafter there was partial relief, which was reinforced by a course of specific protein desensitisation, but complete freedom from asthma was not achieved, except during her first and only pregnancy in 1935. Of late her attacks had become more frequent and distressing, and on questioning, she admitted that this coincided with a period of financial stress and unhappiness at home.

On admission to hospital she was seen to be a stoutly-built subject with an apprehensive appearance, and in a typical asthmatic attack which had already lasted for six hours without relief. There was marked cyanosis of the face, lips and finger-nails, and slight engorgement of the jugular veins; this, together with an accentuated pulmonary second sound, was the only sign of cardiac stress. No other abnormality was found outside the cardio-respiratory system except for some dry pharyngitis. The temperature was 99° F., pulse 120, respiration rate 32/minute and blood pressure 130/80 mm.

TREATMENT AND COURSE

Adrenalin m. 10 was injected hypodermically, and continuous oxygen administered through a B.L.B. mask. Gardenal gr. 3 was given as a sedative, and strophanthin gr. 1/100 by hypodermic injection four-hourly. Despite these measures, there was only partial relief. Adrenalin by the method of Hurst, and autohaemotherapy with 10 c.c. of blood, also failed completely to overcome the physical and mental distress, but intervals of sleep were obtained.

Twenty-four hours after the onset of the attack, the condition of the heart began to cause anxiety. There were now signs of cardiac dilatation, chiefly right-sided, with considerable raised venous pressure and pulsation in the neck, scattered moist sounds at both lung bases and downward enlargement of the liver. Cyanosis was more marked, especially in the extremities which were cold. The pulse was 132 and blood pressure 150/82, and the patient was gradually becoming exhausted. A pint of blood was removed by venesection, and thereafter the Strophanthin injections were continued intravenously, and in view of the urgent necessity for sleep Omnopon gr. 1/3 was given hypodermically. Brandy ½ oz. was given three-hourly, and warmth applied to the limbs. Despite these measures, the cardiac condition failed to improve, but the signs of right ventricular stress appeared increasingly to dominate those of the asthmatic state until sleep merged imperceptibly into unconsciousness. Forty-eight hours after the onset of her attack of asthma, the patient died with all the signs of right-sided heart failure (acute cor pulmonale).

Permission for an autopsy was unfortunately not obtained.

COMMENT

This case serves to emphasise the need for careful and repeated observation of the cardiac condition in every case of bronchial asthma in which the attack is severe, prolonged and resistant to the usual methods employed for its relief. In cases where a psychogenic element may contribute to the tachycardia, the early exhibition of sedatives may in some measure lessen the work of a heart which is showing signs of stress, and opium should probably not be withheld.