Dr Taylor comments: I am most grateful to Drs Grange and Stanford for drawing my attention to the apparent association between reduced natural infection with *M bovis* in milk and the increased incidence of childhood leukemia. The UK Childhood Cancer Study (UKCCS) is currently collecting information about episodes of infection and histories of immunisation in children with leukaemia and in matched controls. It should be possible to obtain preliminary indications from these data about any protective effect of BCG vaccination. The idea that therapeutic immunostimulation using BCG could be used to treat chronic diseases is not new. However, the results of the MRC's Concord trial in childhood acute lymphoblastic leukaemia and more recent studies failed to indicate any significant benefit of BCG immunotherapy. In adult myeloid leukaemia combined BCG/allogeneic immunotherapy stimulated strong cell mediated immunity to donor, but not to autologous leukaemia cells, and produced little long term benefit. The use and expense of prophylactic BCG vaccination as an immunological protective measure in childhood leukaemia would only be justified if it markedly reduced the incidence of the disease. Positive preliminary evidence from the UKCCS might justify a detailed prospective trial of this question in the UK. However, bearing in mind Graves' hypothesis that childhood leukaemia could arise from inappropriate immunostimulation, there is much to commend a cautious and controlled approach to the use of prophylactic BCG vaccination as a preventative measure in childhood leukaemia.


Cough – but is it asthma?

**Editor**—Dr Sheila McKenzie has suggested that cough without wheeze should not be classified as asthma unless there is evidence of airway lability. Chronic cough with no wheeze is most troublesome in preschool children who cannot reliably perform standard tests of lung function. A study of 60 children under 6 years with chronic cough showed that 63% produced at least one positive reaction to skin testing with inhaled antigens (57% for house dust mite) compared with 75% of children with classical asthma and 10% of children with in vitro-proven bronchial hyper-reactivity. Chronic cough, like wheeze, was usually worse at night (75%), precipitated by exercise (85%), and associated with nasal discharge (70%) or sore throat (32%). This suggests that many children reported improvement or no cough at all but 25% developed recurrent wheeze as well as cough. It was difficult to assess the response of cough to treatment because of the tendency to spontaneous resolution. Cough alone may just be a feature of the viral upper respiratory infection which can also induce wheeze in asthmatic children or it may be a manifestation of airway inflammation triggered by hypersensitivity to inhaled allergens such as house dust mite. Although most children with chronic cough do not have asthma, there is no reliable way of identifying those who eventually develop definite bronchospasm. For persistent cough a trial of inhaled β agonists or inhaled steroids is logical and potentially less harmful than other common remedies such as antihistamines, antibiotics, or even surgical ear, nose, and throat procedures.

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**Growth standards for infancy**

**Editor**—We fully endorse the views of Wright et al on the need to develop new growth standards for infancy. The comparison of their Newcastle data with widely used standards and with the Cambridge Infant Growth Study illustrates this need succinctly. The Cambridge Study is not, however, confined to breast fed infants. Although a high proportion (90%) were initially breast fed, this declined to 65% by 12 weeks, 54% by 24 weeks, and 18% by 1 year. Throughout most of the first year, the weights of infants breast fed to at least 24 weeks were similar to those breast fed from birth. Both groups showed an increased weight gain compared with standards in the first six months, followed by a more marked relative decline, with only the breast fed boys showing a slight slower growth rate for the first six months compared with those breast fed at 1 year. The mean (SD) weights were: breast fed (n=54) 9.79 (0.93) kg, bottle fed (n=35) 9.93 (0.97) kg, girls breast fed (n=59) 9.17 (0.94) kg, bottle fed (n=84) 9.18 (0.80) kg, and the Z scores were -0.4, -0.2, -0.5, and -0.6 respectively. Weaning practices are at least as important as mode of milk feeding. Energy intakes during and after weaning are lower now than in the 1960s when the standards were prepared. In view of the differences in feeding practices and social circumstances, it is encouraging to find that the growth of Cambridge infants showed such similarities to the Newcastle data.

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**BOOK REVIEWS**


Any book which, in the opening few sentences, can give a name check to Hippocrates, Descartes and Freud, is clearly not going to come up to Cambridge standards. Of more importance is what it can perform equally well – or better – in the areas of elucidation and education. Happily for the reader, the answer is a resounding yes. This book addresses, both clearly and highly informatively, major developments in the psychosomatic and psychological approaches.

The stimulus for this book was provided by the undoubted growth in interest in psychological treatment in human illness which was held in 1990. Expansion and updating of original talks enable the editors to proclaim the text as 'state of the art'. Of particular interest is the focus on the biological and authentic as a whole and does not suffer the disconnectedness of some texts derived from conferences rather than *de novo*.

The book is divided into two sections. In the first, there is an overview of psychoanalytic, cognitive behavioural, and family psychotherapy approaches in dealing with psychosomatic and physical disorders. The second section looks at the application of therapeutic techniques to particular conditions such as somatisation disorder, irritable bowel syndrome, chronic pain, brittle diabetes, and anorexia nervosa.

The major strengths of the book are its clear presentation of both theory and practice, and its ability to bring the two together harmoniously.

Theoretically, there are good outlines of the ideas behind the different therapeutic approaches. Particularly strong is Tom Seneck's description of cognitive therapy, succinctly covering the important aspects of the cognitive model (including dysfunctional beliefs, negative automatic thoughts, and cognitive distortions), and its therapeutic approaches. He makes the important point that especially in physical illness, not all false beliefs are dysfunctional and not all dysfunctional beliefs are false. For example, denying the seriousness of illness when its presence can sometimes serve as a protective function and is therefore not necessarily dysfunctional. Conversely, the belief of 'not having long enough to live to achieve what I want' might be true but might also be dysfunctional if it results in the ill person focusing on nothing other than this belief and giving up trying to achieve anything. Dr Sensky stresses that the focus of therapeutic work in cognitive therapy is to focus on dysfunctional beliefs, not to
Growth standards for infancy.

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