abnormal blood picture and lymphadenopathy raised the possibility of additional pathology.

The presence of marked toxic granulation in two cases and cytoplasmic vacuolation in the first case pointed to an inflammatory process and the absence of Auer rods made a diagnosis of acute myeloblastic leukaemia less likely in the first two cases. Although the bone marrow blast count in these patients was above the accepted normal range (Dacie and Lewis, 1968) this in itself does not necessarily indicate a diagnosis of leukaemia at this level and in these circumstances. The third case was altogether milder and the patient survived. Here, there was little toxic granulation, the blast count in the marrow was normal and the neutrophil alkaline phosphatase score was only just above the normal range.

It is important to bear in mind the possibility of such pronounced haematological changes in association with ulcerative colitis. Apart from the clinical picture which would usually establish the correct diagnosis, the neutrophil alkaline phosphatase score, which was elevated in all three of these patients, should be helpful where doubt exists. In addition, the experience of the second patient would suggest that fulminating ulcerative colitis should be considered in the differential diagnosis of pyrexia associated with this type of peripheral blood picture in the rare instance when these features precede gastrointestinal symptoms or signs.

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References


Hodgkin's disease of the duodenum presenting with haemorrhage and perforation

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Summary

A case of Hodgkin's lymphoma confined to the duodenum, draining lymph nodes and spleen, presenting with haematemeses and perforation, thus mimicking a peptic ulcer, is recorded. Such a case is not known to have been previously reported.

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Case report

A 61-year-old man was admitted to hospital after suddenly developing epigastric pain followed by haematemeses and melaena. For some weeks previously he had upper abdominal discomfort and night pain, and in the week before admission had taken phenylbutazone regularly for osteoarthritis of the knees. He was obese, pale, hypotensive (blood
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pressure 80/60 mmHg) and tender in the epigastrium. It was presumed that haemorrhage had occurred from an erosion or a peptic ulcer. Following a 1500 ml blood transfusion he developed rigors and fever which quickly settled.

Until day 6 there was no significant change in his condition other than a mild episode of melaena. He then developed a low grade fever which began swinging up to 40°C on day 11, accompanied by pain and tenderness in the right lumbar area. Appropriate investigations for subphrenic abscess and infection elsewhere were conducted but were negative. Following intramuscular penicillin and streptomycin, the fever lessened but did not stop.

An early barium meal examination was technically unsatisfactory and was, therefore, repeated on day 18. Contrast was found to leak into a large cavity of unknown nature situated in the region of the third part of the duodenum (see Fig. 1).

Thereafter, his condition deteriorated with further haematemeses and melaena. At laparotomy on day 22 a retroperitoneal abscess cavity was found containing pus and blood clot and in communication with the third part of the duodenum through a large perforation. The perforation was repaired and a retrocolic gastroenterostomy constructed. It was considered likely that perforation was the result of malignant infiltration. Histological examination of biopsies from the pancreas and the duodenum at the margins of the perforation showed not only acute inflammation but also infiltration by a malignant lymphoma with cells characteristic of Hodgkin’s disease.

He deteriorated shortly after the operation and developed high fever, pneumonia, uraemia and jaundice and died on the twenty-seventh day after admission.

At autopsy, Hodgkin’s disease was found confined to the spleen (270 g) and to a few pancreatic lymph nodes. There was no evidence of malignancy in the walls of the abscess cavity and surrounding tissues which showed only acute inflammation.

The appearances, then, were those of Hodgkin’s disease confined to a small area of the duodenum, regional lymph nodes and spleen. There was no evidence that diseased lymph nodes had eroded into the duodenum.

Discussion

The rarity of the case described is emphasized by the fact that till 1952, Portmann, Dunne and Hazard (1954) were able to find from previous publications only six cases of Hodgkin’s disease involving the duodenum. Dawson, Cornes and Morson (1961), using different criteria, were convinced of only eight documented cases of primary lymphoma arising from the duodenum and, of these, there was only one case of Hodgkin’s disease. More recently, Ehrlich et al. (1968) in an autopsy study of 123 cases of Hodgkin’s disease found duodenal involvement in only 2%. Furthermore, the mode of presentation, where described, was quite different from that encountered in this case. Indeed, a search through publications in the English language on this subject, both series and case reports, failed to reveal a similar case.

Using the rigid criteria of Dawson et al. (1961) this was not strictly a case of primary Hodgkin’s disease of the duodenum, as the regional lymph nodes and spleen were involved. Nevertheless, even in cases of advanced and disseminated Hodgkin’s disease, the duodenum is remarkably immune from involvement (Ehrlich et al., 1968; Balikian et al., 1969; Al-Bahrani and Bakir, 1971).

In this case, even in retrospect, the most likely diagnosis by far was haemorrhage and perforation due to peptic erosion or ulcer. The only clue to some other condition being present was the radiological demonstration of an apparent diverticulum in the region of the third part of the duodenum. A diverticulum in this area is rare, although such cases presenting with haemorrhage have been recorded (Whitmore, 1948; Pimparkar, 1964).
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Acknowledgments

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References


Thioridazine-induced diarrhoea

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Summary

Treatment for hypertension in a 68-year-old woman led to anxiety and depression which, in their turn, were successfully treated with thioridazine. Subsequent diarrhoea was shown to have been a side effect of this tranquillizer.

Introduction

Drugs based on the phenothiazine nucleus are frequently used for their psychotrophic effects. Constipation is a common unwanted effect on bowel function (Kinross-Wright, 1955; Lomas, Boardman and Markowe, 1955; Hollister, 1961; Martindale, The Extra Pharmacopoeia, 1972; Shepard, Lader and Lader, 1972). Diarrhoea is mentioned in Martindale, The Extra Pharmacopoeia (1972) as an occasional complication of such therapy, but no references are cited, and the cases reported by Grahmann (1967) had complex additional symptomatology.

Diarrhoea has not previously been reported as a complication of thioridazine (‘Melleril’) therapy. In the following case this coincidence was such as to suggest a causal relationship.

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Fig. 1. Frequency and consistency of bowel actions related to drug exposure. Liquid, □; formed, ■.
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