not imposed. Thomas and colleagues report a significantly higher rate of screen compliance among participants living with other participants, while those who had a diagnostic colorectal examination with negative results had significantly lower odds of complying.

Another study showed that compliance in first degree relatives of patients with colorectal cancer was significantly higher than in spouses (69% versus 47%, p<0.01), as was among those whose relatives died recently from colorectal cancer. However they found that time since diagnosis in the index case had no effect on the compliance rate, in contrast with the findings of the authors. Finally, Neilson and coworker report that compliers are found to be of higher socioeconomic classes than persistent non-compliers, to have more personal and family experience of illness, and to visit their dentists more regularly.

These data, in conjunction with that presented by the authors, helps us better understand the factors affecting compliance, while screening for colorectal cancer.

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5 Stephenson BM, Murday VA, Finan PJ, Quirke P, Dixon MF. Faecal occult blood test: a large scale randomised controlled trial. BMJ 1993; 34: 56-100.


Reply

Editor,—Thank you for the opportunity to reply to the letters commenting on our publication (Gut 1996; 38: 421-5). Compliance with screening, although a complex issue, has a major impact on the ability of a programme to detect significant colorectal pathology. The additional data provided by Anand and colleagues are of clear interest.

Although we were pleased with overall uptake of screening (64-9%), our report shows — by demonstrating that some subjects were originally interested but then declined the offer of screening — that compliance is not an all or nothing phenomenon — that is, people may respond to an invitation but drop out when the process of screening is made clear. Obviously, the simpler the screening protocol the more likely it is to maximise uptake. This point is again made by Robinson et al in a recent report comparing one and three day HemeSelect testing who found compliance to be significantly better for the shortest test protocol.

Further, some of this phenomenon is shown by our screened subject who refused further intervention despite being shown to have multiple left sided polyps at an uncomfortable colonoscopy.

The implication of these findings is that compliance can yet be improved but will peak at a level at which people are simply not willing to be screened despite experiencing a high personal risk of colorectal cancer. We have recently been very disappointed to discover a 32 year old patient who was offered (and declined) screening in 1992, only to present with an obstructing, Duke's stage C caecal carcinoma in 1996. This patient is a member of an HNCC family whose other family members are examined at St Marks' Hospital Family Cancer Clinic and who did not wish to be examined at any cost.

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BOOK REVIEWS


For those who want to compare the colon lengths of the short nosed bandicoot and the koala bear, but have neither the fare, nor the ability to catch the beasts for themselves — this is very definitely the book to buy and a terrific saving. However, these days a book must appeal to a less specialised market. As the authors make clear, there is value in the study of an organ system from a non-anthropocentric viewpoint: it is all very well for you blighters who live off the fat of the land, with your well cooked digestized meals, to gloat about how much more streamlined your guts are — but what about the rest of us raw eaters, or shell eaters? We’d like to see how long you survived on eucalyptus leaves, or how far you could fly on a diet of beetles.

On the one hand, some of us feeders have to retain our digesta a lot longer than you to derive any benefit from it. Furthermore, some of us are very large and have to eat a heck of a lot of ‘indigestible’ stuff to keep swarming around the savannahs. A neat way of reducing the bulkiness of our digesta is by having a faster throughput of fermentable particulates than of fluid. However, selective retention of small particulates over fluid entails specialised gastrointestinal structures behaving effectively as filter beds. These structures are variously present in our fore, mid or hindguts and very thoroughly described in this book, with excellent diagrams.

On the other hand — predatory birds, like hawks, although eating only the juiciest mor- sels, obviously cannot afford to carry around excess baggage, or they will find themselves in the relegation zone. So they fluidise, digest, and ferment their prey in their gizzards prior to absorption in a comparatively short small intestine and vestigial hindgut; non-digestible particulates are jettisoned in this species prior to absorption.

And on the third hand — the additional anchorage of non-fermentable particulates in the humming bird, weighing in at three grams — has an enormously high metabolic rate and therefore a continuous need for a rapidly available energy supply, has no room to accomodate either for a fermentation or digestive chamber; so it has neither cecum nor crop and lives exclusively on a fast food diet of liquid sugar.

So, we can learn a lot about animal adaptation to varying nutrition from simple microscopic examination of the gastrointestinal tract in relation to body size. This book is very good on these aspects of comparative physiology.

In this second edition, the scope of the book has been broadened to include interesting and useful chapters on digest transit and retention, which includes a really useful discussion on digestive strategies in omnivores and herbivores; motor activity and a chapter on the evolution of the digestive system. There is a rather sparse chapter on the comparative biochemistry of digestive processes and a better one on bacterial fermentation in the gastrointestinal tract.

My main criticism of the book is its relative lack of attention to microscopic anatomy, or structure-functional correlates at the microscopic level. Perhaps this requires another book. My overall view is that this is a useful and stimulating book, well worth reading and I look forward to an enlarged third edition.

RICHARD NAFTALIN


This is the fourth edition of Epstein’s ‘The Kidney in Liver Disease’, the first having been published in 1978. The format of each is similar with multiple authorship. The book is largely devoted to problems of alcoholic cirrhosis, in particular sodium retention and renal failure. Minimal attention is given to other types of cirrhosis or to the important condition of fulminant hepatic failure. Alco- holic hepatitis, a sometimes reversible condition that may be complicated by profound renal and electrolyte disorders is not specifically mentioned.

The balance of authors leaves something to be desired — the editor is the sole author of eight of the 27 chapters and only three are written by hepatologists. The lack of hepatool- nal input is constantly apparent throughout much of the text. Is it really appropriate for the chapters on diuretic therapy, perito- neovenous shunting or extracorporeal tech- niques to have been written by nephrologists? Anyone from a specialist liver unit with an interest in these subjects would have far more...