RITISH MEDICAL JOURNAL VOLUME 287 17 DECEMBER 1983

## PRACTICE OBSERVED

## Young Practitioner Groups

### Enderley group

### MARTIN RHODES

So there we were, cast away from the bosom of our trainer and our vocational training scheme into the unprotected and exposed world of a principal in general practice. In particular there was the loss of conradeship of fellow trainers coming together in the face of the unknown pirfulis that the problems of the problems, but what now? Well, there were our senior partners. But somehow the problems of their generation were not our problems. They had schieved open access and primary health care teams, had created the Royal College of General Practitioners, and researched the doctor-patient doctor's charter. We had inherited all this and what were we going to do with it?

Symptoms and signs

How were we going to continue our postgraduate education? We sat through courses and listened to lectures at the postgraduate medical centre and appearently patiently insibled the information of the distinguished consultant and insibled the information of the distinguished consultants in bibled the function of the distinguished consultants in bibled the function of the distinguished consultants in the information of the distinguished consultant to the information of the distinguished consultant with them. But even the best of these did not seem to help us much with many problems that do not conform to medical models but appear in our surgeries. Couldni't we use the fund of knowledge and experience that was available among ourselves. The end of the novellette is clearly a young practitioner group and it would be easy to look through a romantic haze at our Enderley Group to show that it is the answer to our needs; but

The Medical Centre, 45 Enderley Road, Harrow Wesld, Middx HA3 SEF

F RHODES, MB, MRCOP, general practitioner

Investigations

The catalyst for the formation of the group was the local vocational course organiser, who was also the convener of the education committee of the faculty of the Royal College of General Practioners. He invited young principals from far and wide to a meeting to discuss their continuing education. We were introduced to a doctor who was a member of a young practitioner group and it became apparent that many of us had practitioners around Harrow under the age of 30 met in our surgery in May 1979 and decided to form the Enderley Group. The original objectives of the group were set out in the minutes of that meeting. They were (a) to keep up to date; (b) to form a consensus of management of clinical problems in general practice; (c) to combat professional loneliness. We also thought that the group might become a pressure group in the local medical community and perhaps the community at large. The continuity of the Royal College who had another through the continuity of the Royal College who had a faculty of the Royal College who had a faculty of the Royal College who had a faculty of the Royal College who had become a pressure on a topic chosen by a chairman, the chair rotating among the members). An open forum of clinical or practice problems would end the meeting.

Of the original aims, objectives, and format the only one that has been achieved is meeting every month. Over the years

Musgrove Park Hospital, Taunton

J M LONGMORE, MA, BM, trainee general practitioner

Correspondence to: 31 Parkfield Drive, Taunton, Somerse

BRITISH MEDICAL JOURNAL VOLUME 287 17 DECEMBER 1983

In some subjects, however, we have something to show for our efforts. For example, the flow diagram (figure) for the management of acute low back pain was devised by the members and other examples of consensus management of common clinical problems may be shown. The results of a survey of the membership showed that this type of original objective was the showed that this type of original objective was compared to the showed that the type of original objective was compared to the showed that the group with difficult clinical problems. Usually they get support and are assured that others in the group would not handle the problem very differently. Rarely are brilliant diagnoses made. In the same survey members also thought that we combated professional loneliness but "keeping up to date" is not well achieved, Journal sessions have not been a success, perhaps because the people at the meeting did not get excited by the papers examine foolitical action in its widest sense was a possible function of the group. This has been difficult, in part owing to the avision spolitical views of the membership from communits to conservatives. We presented our view to the authority when the local child psychiatry service broke down, but it still took three years to sort it out and a junior minister at the Department of Health did not think we were worth talking to when invited.

Prognosia

It will be seen that the medical model of the headings does not include a diagnosis. This is because, as in general practice, the full diagnosis changes with time, so the needs of the membership have changed with time. What are we? Forward thinking, improving ourselves, and pushing forwards the boundaries of general practice? Or are we smag and self satisfied? Where so first five years of practice and some of the original members are past this new. So I suppose we should bow out gracefully and form a middle aged practitioner group and let the youngsters take over and see if they can do better than us. But—and this is the point—we enjoy coming, and if we didn't the Enderley Group would collapse. After all, there are no known nasty side effects to the treatment.

### Practice Research

### Bedside haematology: new facility in general practice

J M LONGMORE

Abstract
A technique has been developed for performing rapid white cell counts and differential white cell counts as the bedside which uses a pocket McArthur microscope and a development of Field's rapid staining technique. A fixed volume thick film technique is used for the total white cell count that uses the minimum of equipment, all of which is disposable. In a study of samples from 88 patients using the thick film technique and standard laboratory techniques the thick film counts fell within 1+1×10<sup>-1</sup> (mean) of the standard laboratory count. This compares with a value of 10 × 10<sup>1</sup> (mean) for within laboratory variability, using different electronic counters on the same specimes.

A recurring problem in general practice is visiting a patient, usually a child, who is clearly ill with an infection of some sort, but in whom there is no pointer to the site of infection—for example, tonsils, ear drums, or urinary tract. Although these

infections are often viral, the patient stands a good chance of being prescribed an antibietic by his general practitioner, particularly if it is difficult to visit and the child seems ill (but not ill enough to be admitted to hospital). Usually this is harmless, but occasionally the child will develop an adverse reaction to the antibiotic. Also, it seems unsatisfactory to prescribe antibiotics for viral infections—intellectually and because it encourages microbial resistance. It is also expensive. A total white blood cell count and a differential cell count would be helpful in distinguishing those patients with a pyrexis of undetermined origin, those with a lymphocytosis or a blood film that suggests infectious mononuclosis. At present a white blood cell count and film is not usually requested, as a decision needs to be taken on the spot, and venepuncture is often inappropriate or difficult to perform. Therefore any technique which allows a white blood cell count and film to be done immediately at the bedside, using only a finger prick, would be an advantage. I describe such a technique and give a measure of its reliability.

### MCARTHUR MICROSCOPE

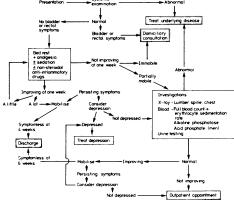
The McArthur microscope (fig 1) is a pocket microscope which is no larger than a pocket camera (100 mm × 50 mm × 64 mm) and can perform the functions of a complete bench microscope; giving magni-fications of ×100, ×400, and ×1000 (oil immersion). It is a robust instrument suitable for keeping in a "black bag." Illumination is from the sky (or from a pocket torch).

some members have met consistently—seven of the original 12 attend frequently—while new members newly arrived in practice have been welcomed. Some of these still attend; others have joined other young practitioner groups; and others have not felt the need to attend after a while. Thus meetings have attracted between four and 22 members, averaging about 10. For almost four years we met in the surgeries of group members, but more recently in members' homes as we've exhausted the surgeries, homes are more conflorable, and the coffee in better. A topic chosen at the previous meeting usually requires that the members do a little preliminary work, such as

BRITISH MEDICAL IOURNAL VOLUME 287 17 DECEMBER 1983

diseases and their presentation in general practice—such as asthma, backache, hay fever, and the "tired all the time" patient —are frequent subjects. We have sessions on "our most anxious patient," "the patient with the thickest folder," and "our most difficult patient."

At other meetings we have discussed "Patients I have asked to leave my list," "The hoopital letter that made me anpry," "A unique practice "all," "Comparisons in the use and payment retainment." We also did the Open University course "Topics in drug therapy" over several months.



making carbon copies of prescriptions for different classes of drugs or for certain diseases, recording referrals, and reviewing glaps of ropes instituting. Sometimes a member give a propared talk at the beginning, before a simple audit, after which we often discuss "difficult patients." There is usually a chairman, but our group members enjoy informality, although this means that more introvert members sometimes may not get a fair hearing. Angry and heated exchanges of view are a rarity. We use our own practice resources and have only once resorted to an outside speaker (a relaxation therapist). Once a year the group has a dinner, to which spouses are invited. On three occasions drug companies have given a buffet supper, but these have not worked well because the firms wanted to show promotional material which detracted from the meeting.

We have lots of meetings where we audit our prescriptions and have, for example, looked at our prescribing to geriatric patients, and ar repeat and berzodiazepine prescribing. We have also reivewed our requests for pathological investigations and referrals to specialists. The management of common

Results of treatment

According to our educationalists we should indeed evaluate our learning experiences, and therefore we must ask how a young practitioner group assesses its experiences. We might be coming along because it is nice and easy but going away not having learnt anything. Indeed, most members say that one of the min reasons for attending is to keeps in touch with old mates. We might argue that because we have been going four we will be the same that the same that the same we will be the same that the s

# MINIATURE LABORATORY

MINIATURE LABORATOM:
The miniature laboratory, including the microscope, may be housed in a plattic sandwich box (113 mm · 100 mm · 57 mm). The total weight is 700 g. It comprises, in order of use: cleaning spirit; lancets; Hawksley capillary tubes (cuslogue number 1604); clean microscope sides; absolute methyl alcohol; cigatette lighter; Piciél stain (A and B); cotton wood; mug of water (supplied by the household); McArthur microscope with Annale (BDH) immersion fluid.



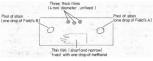
### TOTAL WHITE BLOOD CELL COUNT

TOTAL WHITE BLOOD CELL COUNT

The principle of this technique is that a fixed volume of blood is spread over a fixed area, and after stanning the number of cells is spread over a fixed area, and after stanning the number of cells in the properties of the propertie

BRITISH MEDICAL JOURNAL VOLUME 287 17 DECEMBER 1983

BRITISH MEDICAL JOURNAL. VOLUME 287 17 DECEMBER 1983 to fill the ring in maximal. The blood should be spread out to the periphery of the ring with the capillary tube held vertically. Drying is helped by a cigarette lighter (hand hot only). Staining and counting the carried out over the central portion of the ring, using the -40 objective and a 2 mm squared eyepiece (-10) graticule. Nine of these squares (side 2 mm) fit into the centre of one field of view. By empirical testing I have found that if five of these sets of nine squares cells counted divided by 10. It is important that the central area only of the 4 mm ring is used for counting, and so it is helpful to centre the ring with the -10 objective before starting to count. As an example, if 10 cells are council in two ests of time squares (48 small squares, and 10 cells are council in two ests of time squares (48 small squares, and 10 cells are council in two ests of time squares (48 small squares, and countered counting begins.



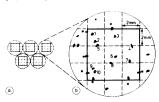


Fig. 3—Counting cells under the grid graticule. (a) Five fields of view (five large squares) positioned over the centre of a 4 mm diameter thick film. (b) One (magnifield) field of view, showing nine small squares (side 2 mm on the office of the counting. The cells marked "all on the perimeter of the large squares, and should not be counted. The rule is that all of the cell market be over all of the perimeter line to be counted. The white should not be counted. The rule is that all of the cell market be over all of the perimeter line to be counted. The white blood count is the number of cells counted in the large squares duried by 10.

DIFFERENTIAL WHITE CLIL COINT AND BLOOD FILM

The differential cell count and blood film are prepared in the standard fashion on the same side as the thick film and are taimed at the same time (defer intitual fixing with methyl alcohol). The stanning technique is described in fig. 2. The total staning time is 10 reconds. The differential may be performed on the thick film (fig. 4), which adds speed as white cells are clustered so densely (it is also useful in malaria). A full, detailed differential count in nost always required, and a simple chere is some obvious shormality. Red cell morphology is also noted—for example, hypochromia.

Infectious mononoucleosis may suggest itself as the diagnosis if many atypical transformed lymphocytes are present and there is a lymphocytosis (relative at first, then absolute as the illness progresses). An example of such film is given in fig. 3 /the specimen was standed at the microscope to give an idea of quality and magnification it offers.