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### Controlled trial of three different antismoking interventions in general practice

KONRAD JAMROZIK, MARTIN VESSEY, GODFREY FOWLER, NICHOLAS WALD, GILLIAN PARKER, HELEN VAN VUNAKIS

Abstract

Of 8052 adult patients who consulted their doctors in six Oxfordability general practices between October 1880 in the Confordability general practices between October 1880 in the Confordability general practices. The amokers were allocated to one of four study general practices on the Confordability general practitioner; a group that received verbal and written antismoking advice from the general practitioner; a group that received the advice plus the offer of further help from a health visitor.

After one year 72% of mokers replied to a postal After one year 72% of mokers replied to a postal After one year 72% of mokers replied to a postal form of the property of the

Department of Community Medicine and General Practice, Medicine Informative, Noticed OX2 4HE Medicine Informative, Noticed OX2 4HE Medicine Informative Informativ

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Results

Of the 6032 cligible patients seen (2225 men and 3827 women), 2110 (820 men and 1290 women) admitted to smoking cigarettes at the time of the index consultation. The overall smoking prevalence of 35°, was similar to the rate of 59°, found in a national sample of over 22 500 people surveyed in 1980.11

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PREVALENCE OF SMOKING

The four study groups were balanced with respect to the age and sex distributions of the patients, but, despite randomisation, there was a significant imbalance of social classes (pc. 001) whereby the advice group was weighted towards higher socioeconomic groups and the health visitor group towards lower ones, compared with the control and exhalted carbon monoside groups. There were no appreciable differences in cigarette consumption, type of cigarette smoked, duration of simolang, or desire or intent to stop among patients allocated to the three "active treatment" groups.

A one year questionnaire was returned by 72", of the smokers and the response rate did not vary appreciably among the four

and the response rate dul not vary appreciably among the four Attempts to not motions. Attempts to not motion, and the control patients who returned a questionnaire at one year, 64", reported that they had attempted to stop or reduce motioning. The corresponding figures in the three other questions of the property of

TABLE 1-Number of patients who reported that they had stopped smoking at one year follow up (634 non-responders assumed not to have stopped smoking)

Study group	No in group	No (10) who reported not smoking
Intervention:		
Advice	512	77 (15.0)
Exhaled carbon monoxide	528	91 (17.2)
Health visitor	521	69 (13.2)
All intervention groups	1561	237 (15.2)
Control	549	58 (10.6)
Total	2110	295 (14-0)

Comparison of all four groups:  $\chi^2 = 8.5$ ; 3 df, p= 0.05. Comparison of proded intervention groups with control group:  $\chi^2 = 5.8$ ; 1 df p= 0.02. Both values adjusted for effect of social class.

TABLE II.—Rates ("...) for stopping smoking by social class\* and "treatment" crossb.

Social class						
1, 11, 111 non-manual		III e	nanual	IV - V		
Patients	Per cent stopping	Patients	Per cent stopping	Patients	Per cent	
121	9.1	170	8.5	119	11.5	
	22 8	163	12.3	124	10.5	
	19 8	165	13.9	107	15.0	
106	18 9	153	14 4	122	8.2	
484	17.8	657	12.2	492	11.2	
	Patients 121 136 121 106	Patients stopping  121 91 136 228  121 19 8 106 18 9	1, 11, 111 non-manual 111 n Patients Per cent topping Patients 121 9 1 170 136 22 8 163 121 19 × 165 100 18 9 153	1, II, III non-manual	1, 11, 111 non-manual   111 minual   1V	

\*Social class based on occupation of head of household, 477 patients excluded head of household unemployed, pensioner, or engaged in home duties).

three groups that received "active treatment" abows a clear increase in stopping amoking compared with the non-intervention control group (1-0-02). Table II gives the data on stopping amoking, group (1-0-02). Table II gives the data on stopping smoking, parent that the influence of intervention is most impressive in social classes I to III non-manual, while there is no indication of a beneficial effect of any "treatment" other than exhaled carbon monoxide in social classes I want V and V.

Comparison of att four groups: p<0.05 Comparison of pooled advice groups with control: p<0.02 (both values adjusted for effect of social class.) ned not to have

Total Report Proper Parks March of the Control

Yield of successful attempts—In view of the conclusion by Russell et al that advice acted only to increase the number of attempts made to stop amoding and not the success rate among these who did tryl, we cannot do unformed the proportion of the succession of the

VALIDATION OF SMOKING HISTORIES

A sample of 122 (41°...) of the 29's self described ex amokers was selected for home valis, but 24 of these were not available for interview because of absence from home on three separate evenings (13 cases), 90°., of visits were completed within three months of the follow up questionnaire being returned, 40 patients admitted to having begun smoking again, at least interminently, since the postal inquiry. Data derived from a study of men attending the postal inquiry processing the second of the 50 patients who dended relapse provided a unite processing of the 50 patients who dended relapse provided a unite deposit provided a surface processing the second of the

general practice is potentially a cheap and practical way of influencing a substantial proportion of smokers, we decided to conduct a further large controlled trial to confirm that such intervention is effective, and to determine whether the most effective "advice package" used in the London study could be improved.

### Method

## ELIGIBILITY OF PATIENTS

ELGIBLITY OF PATIENTS

Six general practices in Oxfordshire, in which most of the doctors and health visitors had expressed an interest "in participating in further research on smoking" in a previous survey, provided patients for the study. Eligible patients were identified by means of a questionnaire entitled "Updating of practice records" (questionnaire A) of age who were attending to see a doctor for the first time during the recruitment preside. Patients who were collecting prescriptions or attending to see a nurse or to make appointments and those who were cligible, but those bringing children to infant welfare or immunisation climics were excluded. Also excluded were patients seen on home variet or a Saturday morning suggeres which, in each of the six practices, were explicitly sured to be for emergency cares only.

# RECRUITMENT AND TREATMENT ALLOCATION

The retruitment phase of the study began in October 1080 and control of the study began in October 1080 and control of the study began in October 1080 and control of the study began in October 1080 and control of the study began in October 1080 and control of the study began in October 1080 and control of the study began in October 1080 and control of the study of th

with a warning from the doctor that the patients progress would be refrired.

For inventional progress, and the standard advice group, with the addition of a demonstration to the patient of his or her own carbon monoxide concentration using a portable CO somitmer (Eochyster, Burergette Science Inc., New York), and an explanation of how this owners of the progress of the progress with compared with compared with compared with compared with compared with compared to the progress of the process of t

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24% and 40% of subjects may have misreported their smoking habits, but there was no indication that the rate of misreporting was higher in the intervention groups than in the control group.

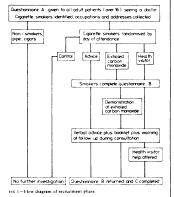
Giving advice routinely against smoking has a useful effect, and showing an immediate, personal, and potentially harmful consequence of smoking using a CO-animeter may improve this, particularly in lower socioeconomic groups.

Introduction

The value of advice against smoking given routinely during general practice consultations in helping people to stop smoking is uncertain. Of the seven published studies, "only four incorporated a control group," "1" and, of these, only two suggested that routine anismoking advice had an appreciable beneficial effect." Even so, the largest study, a randomized controlled trial in which were 2008 general practice patients in London Principles and the properties of the largest study, a randomized controlled trial in which were 2008 general practice patients in London Principles and the largest study, a randomized controlled trial in which were 2008 general practice patients in London Principles and the largest study, a randomized progress would be monitored uncreased the rate of self-reported stopping of smoking one year later from 10.3%, in a non-intervention control group to 19 1%. The effect of advice was to increase the number of patients attempting to stop smoking without increasing the success among those who tried.

In this trial, however, as well as in two of the three other controlled studies, the outcome wax calculated only on the basis of patients traced at follow up. This may have estage-rated any beneficial effect of advice was considered only on the cases of patients traced at follow up. This may have estage-rated any beneficial effect of advice on stopping smokings unce non-respondents."

stration before the consultation with their doctor. This was sometimes not possible, however, and the demonstration their took place after the consultation but before the completion of a questionnaire C. and describing how and when to conteat a health visitor working at the practice for further help and information about how to stop smoking was attached to the advice booklet. The health visitors were provided with some written suggestions as to how there might deal with in-



quiries from patients in the study, as several had previously expressed the fear that they had inadequate knowledge to give appropriate advice. Each health visitor was also provided with a log sheet on which to record inquiries.

### FOLLOW UP PROCEDURE

All cigarette sunders who were originally recruited to the study were sent a reply paid postal questionnaire and covering letter one year after the indee consultation. Non-respondents were sent up to two reminders at intervals of two weeks. An attempt was made to trace patients through the Oxfordiner Paimly Practitioner Committee, and the follow up sequence was started again if a new address was obtained.

and the follow up sequence was started again it a new autors was obtained.

Some of the property of the property of the property of attempts, if any, to stop or reduce smoking over the year, and the timing of the first attempt. Any painers who admitted smoking at the time of the one year follow up was asked to give further details as to the type, quantity, and brand of capacities and depth of inflations.

To validate smoking histories a sample of patients who claimed not to be smoking at the time of follow up was a selected for an unannounced home visit by KJ. At this visit the patients were interviewed concerning their experiences since stopping amoking and were saked to provide a union specimen for "a study of the changes in stored by freezing before radionismnoussays for cofinine concentrations," the principle metabolite of nicotine.

	No in study group				Total	
Outcome	Control	Advice	Exhaled carbon monoxide	Health visitor	No	N.21
No interview	10	2	6		24	19.7
Admitted relapse Denied relapse:	7	1.2	13		40	32 8
Urinary cotinine concentration 100 ng ml Urinary cotinine	4	11	12	8	35	28 7
concentration > 100 ng/ml	3	6	2	0	ti	9.0
No urine specimen	1	i	4		11	9.8
Total	25	32	37	28	122	100

the self reported stopping rates may have been exaggerated by between 24 and 40°,, this does not invalidate our conclusions con-cerning the relative impacts of the different intervention regimens.

Discussion

Advice against smoking given during routine consultations in general practice is a cheap and simple method of reaching a very large proportion of smokers, given that two thirds of the population countil of general practitioner, at such sections as a useful effect. In both this study and in the previous study in London advice was given in the doctor's own style and at his discretion. Nevertheless, the studies differ in that they led to opposite conclusions as to the effect of advice. Whereas the London group concluded that the main effect was to increase the number of attempts, the Oxford results show a difference specifically in the proportion of attempts that were successful. Our generous definition of an "attempt" as any effort made to use of reduce unlikely that two thirds of the smokers made a serious attempt to reduce their smoking over the year, and this figure may partly reflect changing social attitudes obliging smokers to be seen at least to the trying to such of the rates of self reported complete stopping of smoking in the three largest controlled trials of the effect of giving routine antismoking advice. The

TABLE IV -- Comparison of results of trials of the effect of advice against smoking

Study	Interventions compared (percentage of self reported stopping rates at one year)							
	Centrol	Questionnaire	Verbal advice	Full advice*	Exhaled carbon monoxide	Health		
London* (n = 2138) (73-317	10.3	140	16-7	19-1	-	-		
Ottawa' In = 691:  65-3		80	7.0:	7.55	-	-		
Oxford (n = 2110) (72 1)†	14-1			20-6	25-3	18-0		

\*Verbal plus written advice plus warning about follow up. †Response rate as per cent-stopping rates for each study are based on responder.

denominator in each case is the number of patients who replied to follow up at one year. Of these three studies, the Canadian one is least adequate in terms of sample size and thoroughness of follow up. 'The results are somewhat paradoxical in that the group receiving least intervention produced the best outcome, but the differences are not statistically significant. Of greater interest is the lower overall success rate, due perhaps to the

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BRITISH MEDICAL JOUENAL. VOLUME 288 19 MAY 1984 study being conducted in a single teaching hospital general practice unit with a large, mobile population of doctors.

The London' and Oxford studies are directly comparable, but the fact that the colors of patients were recruited some six years apart at a time when the trend towards stopping the control group in Oxford. The poeld result of 21°2, stopping for all patients who received at least the "full advice" package as designed by Russiller alcompares favourably with the 19 1", achieved in London.

Nome of the previous studies of giving antismoking advice routinely in general practice has attempted any systematical of the previous studies of giving antismoking advice routinely in general practice has attempted any systematical out of the control group of the previous studies of giving antismoking advice routinely in general practice. In our study the validation source was complicated by our inability to locate some patients and by the high rate of relapse that occurred between return of follow up questionnaires and completion of home visits. Utine samples were collected for only 16°, of the original 29° patients who claimed to have such an exercise but providing important information on the extent of mileading reports concerning their smoking status given by patients in general practice.

The true status at the time of postal follow up of those who later admitted "relapse" cannot, of course, be ascertained. Our analysis is therefore limited to those who claimed persisting assessment of the effectiveness of an antismoking campaign. The results for the biochemical validation of stopping were not in principle surprising, the extent of the misreporting falling within the range that has been reported previously. 1" Moreover, it was reassuring to discover that the estimated proportions of people who misreported their smoking habits were similar to providing rates between the groups were maintained.

Intensive follow up, including home visits by health visitors, was a

on preventing unesses associated with organic smooting. We are grateful to the Nuffield Diminions Trust and the Health Education Council for financial support. The cotinine assays were done with support from the National Institute on Drug Abuse, DA 2507, DA 0007. Helen Van Vunaksi is the recipient of a US Public Health Service Career Award 850, 12372.
We thank Maggie Dennis and Griens Fitzgerald for typing,

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Paul Griffiths for advice on computing, and the doctors, staff, and particularly the patients of the study practices, without whom the project could not have been conducted. References

- Appendix
  Suggetions concerning advice to be given.
  As general practitioners and their patients show wide individual variation, it is not reasonable to expect that exactly the same antismoking message can be delivered to each patient who smokes. It is to be hoped, however, that each dotor will be able to discuss briefly most or all of the following points with each patient.

  (1) Risk—Smoking is known to cause a large number of discussed on the community of the students and premiture death in the community.

  (2) Cort—The habit costs the average smoker well over £20 a year. Unborn children and young children suffer if exposed to tobacco smoke.

- smoke.

  (3) Group up—All smokers should give up the habit if possible. Eight million Britons have already given up.

  (4) Problem of group up—These last for two to three weeks for most people." Any weight gain tends to be temporary.

  (5) "Lein hazardasi unibring" (17) too cannot give up smoke fewer eigarettes, take fewer puth, inhale them less deeply, and leave longer butts. But it yo gave up completed.

\*We were a little optimistic, but there is a sizable number of patients who find it surprisingly easy to give up smoking once they make a firm decision to do so.

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   Handle S, Change in making habits in a general practicity of policy of policy of the process of the p

After Jarvis, an old man from Gloucester was obtained. He carried on the work well but as he suffered from unnary trouble he smelled rather baddy. He used to apologise for this and like Groves he took meals by himself. He carried on until during the last few months of my absence Soady, whom I had with me in Moopotamia, took charge. This had been arranged between Soady and myself and he worked hard and was very popular. He pulled the presence together and when I arrived home everything was working smoothly and normally.

worked hard and was very popular. The journest the piaces of popular and when I arrived home everything was working smoothly and and when I arrived home everything was working smoothly and Just a few words in connection with Arthur Saady. He was an Irishman from Dublin and with his father had been accountants for a big railway in Irishma from Dublin and with his father had been accountants for a big railway in Irishman had that option. I did not see him at Blackpool but I was allotted a cabin with him on the boat on which we went out to Mesopotama. He had a charming manner with him he went out to Mesopotama the And a charming manner with him rest, the had a currously shaped booked more and was about 5 ft 5 m in height. He did not possess a broague.

On my return to civil practice I tried to presume him to come into other works of the Swanses Kiver, where I had a large number of patients owing to my connection with the Baldwin Works. Unfortunately, for myself and for him, he had an aunt in Dublin from whom he had great captestions. Arthur managed all her affairs and the instead that out to her that he could be in Dublin in a few houst from her had great out to her that he could be in Dublin in a few houst from her it was useless, and Arthur for some time did a series of locum tenenships all over the country, file went to the West Riding of Yorkshire to take over a practice for a man who was dying from the effects of

alcohol. After this doctor's death he stayed on until the practice had been disposed of and the next thing I heard was that he had married the widow. They naturally could not stay in the neighbourhood and the country of the property of the property of the property of the country of the coun

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# Rethinking Established Dogma

### Trivia, triage, and treatment

JAMES D E KNOX

Some years ago senior medical students at Dundee were invited to define a general practitioner and to describe his work. From among the replies it was possible to define a common theme, best summarised by one response, best summarised by a summarised by one response, and chursings in the stomach-coupled with a request for a tonic —could be regarded as humdrum, and chursings in the stomach—coupled with a request for a tonic —could be regarded as humdrum, and chursings in the stomach—coupled with a request for a tonic —could be regarded as humdrum, and chursings in the stomach—coupled with a request for a tonic —could be regarded as humdrum, and chursing in the stomach—coupled with a request for a tonic —could be regarded as humdrum, and chursing in the stomach—coupled with a request for a tonic —could be regarded as humdrum, and chursing in the stomach—coupled with a request for a tonic —could be regarded as humdrum, and chursing in the stomach—coupled with a request for a tonic —could be regarded as humdrum, and chursing in the stomach—coupled with a request for a tonic —could be regarded as humdrum, and chursing in the stomach—coupled with a request for a tonic —coupled with a request for the summarised to more deviation from the normal, associated with temporary interference with usual functions or a greater incapacity of short (up to several days) duration. "Such a definition still be gat a number of openion of the regarded as humdrum, and the summarised to

### Epidemiology of minor medicine

Epidemiology of minor medicine
By such a definition I classified as "minor" approximately
60% of 649 contacts, initiated by patients and seen by me at the
Dundee Medical School teaching practice from August 1982
to July 1983. Applying the same definition selectively to 439
children under 10 years of age in the same practice, the propor-tion of minor medicine was 80"...
Javob applied this approach, somewhat arbitrarily, to the
diagnositic labels attacked by 24 family decreas to 6017 first
contacts, in part of a larger study of the work of Dundee general

Department of General Practice, Westgate Health Centre, Charles-ton Drive, Dundee DD2 4AD JAMES D E KNOX, MD, FRCFED, professor of general practice

practitioners.<sup>1</sup> Analysis of the distribution by age group and place of contact showed that the proportion of "non-serious" disease decreased with age and home contact compared with consulting room contact (fig 1).

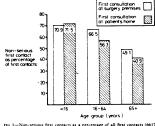


FIG. 1—Non-serious first contacts as a percentage of all first contacts (6617 consultations). Source: Dundee Health Centre Study, Phase 5, March 1979, total of 16 291 contacts.

Content of minor medicine

Minor medicine covers a wide spectrum and includes many fascanating disease states. Some of these are only now becoming more clearly defined—for example, "slapped check" disease (fig. 2) in which human parvours infection has only recently been incriminated as an important aertological agent." Such examples relate to relatively straightforward conditions, of interest. Most minor potential most approach as the control of the co

# "Mary Jane" phenomenon

In a few presentations the apparent patient, usually a child, is in reality merely an index of a disturbed family. A A Milne

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What is the matter with Mary Jane? She's perfectly well, and she hasn't a pain; But, look at her, now she's beginning again! What is the matter with Mary Jane?

si6 3—From "Rice Pudding" in When We Were Very Young by A A Milne, illustrated by E. H. Shepard, published by Methuen Children's Books Ltd. and reproduced with the permission of Curtis Brown Ltd.

captures something of this in his poem "Rice Pudding" when Mary Jane is again presented with rice pudding, the resulting tantum cannot be contained within the family. So the family problem may not be appreciated by its genwu pumembers. In adults the underlying problem may be martial disharmony or alcoholism in the spouse, or the stress induced by caring for an elderly parent. The patient may not necessarily be fully aware of the nature of the problem, and there is little conscious attempt to conceal the state of affairs.

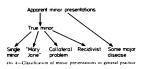
In cover story

Peggy E, a 10 year old schoolgirl, presented with a complaint of "catarrh." It was only after this had been dealt with that the true agends was revealed—she wanted bug on the contraceptive pill. Such "could be with the present of the contraceptive pill. Such which will be present the particular that an opportunity to assess the doctor and judge his likely response to a second, more "serious" offer. The experienced general practitioner learns to anticipate and facilitate the disclosure by such a phrase as, "1s there anything else we should discuss?"

The frequent attender
Most practices contain a few patients who generate a disproportionately large volume of work for the doctor—well
illustrated by Dickinson and Farrow. 15 ub, natients are charaterised by the high frequency of contact, and by the variety of
their munor but budfling symptoms. The frustration they engender in the doctor resides not simply in the high demand but
in the fact that they persistently roopen issues which the doctor
has attempted to dove. Freeling has coined the term "recidivist"
for such a patient, recognising the pejorative nature of the term,
but unable to suggest a better one.

### Minor medicine—a classification

So what at first appears to be a simple triviality is sometimes an elaborate affair. The proposed classification (fig 4) is not intended to be used to stick labels on people; rather it is an attempt to clarify thinking on a difficult subject.



Recognition-and triage

Recognition—and triage

In addition to applying common sense epidemiology along the lines mentioned above the doctor deploys many skills in the lines mentioned above the doctor deploys many skills in the lines of the lines are strongly and the lines are strongly and the lines. They include pattern recognition, a sound knowledge of the natural history of diseases (both major and minor), the use of time as a diagnostic tool, and, above all, a knowledge of his patients and their illiness behaviour. With experience, general practitioners acquire a kind of rank order of seriousness to apply to any given presentation in the Hodgain records dustribute as exactly a seriousness to apply the causes. Laboratory investigations usually have little to offer, with the exception of the experience for experience and the cause of applying labels that indicate clear cut pathology and the doctor's mental response might be "I don't know exactly what this is, but it's not serious'; at the other, "This patient requires prompt admission to hospital." Perhaps a more suitable term is "triage"—hittern reserved for the sorting of casualties of war or major disaster. Blackston's Gould Medical

Dictionary, however, has extended the definition to include the sick as well as the wounded. The general practitioner in the National Health Service occupies a key position as a determinant of hospital use—an increasingly expensive prescription. It is important to the nation's economy that this resource is appropriately deployed. In addition to economical and efficient use of expensive hospital resources, appropriate triags escures the effective use of scarce specialist skills, ensuring that they are deployed to best advantage. Wastors from the United Kingdom deployed to best advantage, Wastors from the United Kingdom are often struck by the extent to which the work of highly trained specialists is "diluted" by the inclusion of inappropriate case material.

At the level of the individual patient recognition and triage of minor medicine usually have to be complemented by treatment. In this paper it would be inappropriate to attempt to give details of treatment for each condition ranging from aone to symmetic diseases. Some generalisations may be made, however.

Single minor condition

The "scriousness" of a condition is often inversely proportional to the meaning the symptom holds for the sufferer: the patient rolling in agony with colic is concerned with the impatient rolling in agony with colic is concerned with the impatient rolling in agony with colic is concerned with the impatient rolling in agony in the concerned with the impatient rolling in a country of the storage has been appropriate, and in the patient feels guilty about "bothering the doctor," and a delicate path has to be troot to save the patient's face and at the same time, when appropriate, encourage self care in the future, when appropriate, encourage self care in the future.

The partition of the patient is the same time, when appropriate, encourage self care in the future.

The partition of ending with minor librox, especially upper respiratory tract infections, is an absence of a rational basis for prescribing antibiotics. Perhaps an acknowledgment of this fact and its wide acceptance by the medical profession would lead to a reduction in what seems to be widespread overue of antibiotics. A proportion of single minor problems require the skills of "should"—be delegated to such professional valif, provided they are suitably trained for these tasks, and invising education and training need to be more fully geared for this to happen more widely.

The underlying problem with "Mary Jane" is likel, to be complex, requiring the assessment and management skills of other health professionals such as the health visitor, social worker, or marriage counsellor. The need here is for greater teamwork, including better communication.

# Collateral

The doctor sometimes merely needs to listen and to use counselling skills. The time spent in dealing with the "while

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I'm here" presentation is, in my experience, usually well worth while, despite the irritation it may cause the doctor at the time.

Such people resemble psychotic patients because prolonged contact and attempts to communicate rationally are commonly unrewarding. It usually give myself a time limit on such consultations and will occasionally seek the help of consultant colleagues (suitably briefed) to secure temporary respite from the recidivist's importunings. This also calls for constant vigilance for the early presentation of major disease.

# Minor presentations of major illness

Nanor presentations of major illness

It is usually necessary to consult a specialist as early as possible.

This decision to refer sometimes requires positive effort: after all, some 90°, of contacts do not call for such action, and often it has to be taken in the face of slender evidence. The patient's well being must take pride of place over the doctor's sensitivity concerning his reputation as a diagnostician with consultant colleagues. Among the peculiar intellectual satisfactions of general practice is the justification of such referral action in the light of subsequent events.

# Triage and medical education

A riage and medical education

As long as medical education continues to be based almost exclusively on the reaching hospital, the undergraduate has little opportunity to acquire the knowledge, skills, and artitudes in the continue of contemporary society. And many of these problems remain underresearched. University departments of general practice are striving to correct this imbalance, but can we be sure that a high proportion of final year medical students will not continue to dismiss as "trivial" many of contemporary society's health problems?

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# Correction

### A "Taylor made" practice

In the article by Dr S Williams (14 January, p 116) the year that Dr Henry Pearson Taylor died should have read 1945.

· Med J (Clin Res Ed): first published as 10.1136/bmj.288.6429.1499 on 19 May 1984. Downloaded from http://www.bmj.com/ 9 20 March 2024 by guest. Protected by copyright.