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PRACTICE OBSERVED

Practice Research

Heartburn for the patient-heartache for the doctor?

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Hearthurn has been described as a retrosternal burning sensa-tion related to posture and eased by antacids. It is probably true to say that most people experience hearthurn at some time in their lives and that most consider it as perhaps a troublesome Gear and Barnes performed endoscopic studies on 346 patients in general practice with dyspepsia lasting more than two weeks and found that only 99 had no abnormality of the gastrointestinal tract. We decided to focus on hearthurn rather than on the less specific dyspepsia and study the range of diagnoses in hearthurn sufferers in general practice to see predict the seventy of oesophagitis in patients with symptoms of gastro-oesophageal reflux.

Patients
The patients were referred to the research fellow from 17 practices, mainly from the greater Belfast area. They were identified from two sources. (a) patients consulting their family doctor with hearthum as the presenting complaint, and (b) patients requesting "repeat prescriptions" for antacids at a Frequency which suggested that they required to use them at least every other day. We recognized that there may have been patients suffering from reflux ecophizagits who were not identified under these criteria.

The predominant gastroinettimal symptom and who suffered from hearthum regularly were entered into the study. Patients were

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excluded if they were pregnant or lactating, if they had been taking an H₁ receptor antagonist within the previous four weeks, if they had had gastric surgery, or if they had other known gastric or duodenal disease.

At the first visit a full history was taken, including details of drugs taken, smoking habits, and alcohol intake, and a full physical examination made. Haematological assessment of perpheral blood picture was carried out. Liver function was assessed by estimation of strum function by massive and the structure of the structure

ENDOSCOPY

Emodscopy was carried out as an outpatient procedure under sedation with intravenous valuum. A flexible fibreoptic Olympus GIF Type 3D endocope was used. The endocopic examinations were carried out by a single independent operator in 95°, of cases. Oeso-phagits was graded as follows: grade 0 normal; I erythema with fraibility of the mucosa; 2 discrete lesions—that is, erosions or multiple superficial ulcers; 3 confluent and longitudinal crossions; 4 circinate ulceration with or without complications—for example, Barrert's syn-drome. No burnut studies were carried out, atthough many of the patients had had barium studies were carried out, atthough many of the athonormality

One hundred and forty four patients, 62 men and 82 women, aged from 18 to 77 years, were referred for the initial assessment and four

weeks of observation. During this period 18 patients were withdrawn from the study (table I). Of 120 patients who attended for the initial endoscopic camination, it was successful in 121 (table II). Of the 90 patients with reflux oesophagitis, a hauts hernia, or no abnormality, data were available for statistical analysis from 7:no abnormality.

TABLE 1—Reasons for withdrawals during four week observation period (n-18)Patients with relatively minor symptons—that is, not longituding of regular Assie inferolateral myosardial infarction. Cancer phobia Cancer phobia juidice abnormal liver enzyme activities Pergnancy.

TABLE 11—Initial endoscopic findings in 121 patients

Diagnosis	1960	
Reflux occuphagitis	55	45.5
Hiatus bernia	14	11.5
No abnormality	21	17.4
Active duodenal ulcer alone	10	8.3
Active duodenal ulter plus rethus oesophagitis		5.0
Benign gastric ulcer	1	0.8
Adenocarcinoma of stomach	1	0.8
Gustritis or duodenitis	13	10.7

A. Spearman's anni-order correlation was used to measure the correlation measures the secretic of ecopylaquits and the following strains in the control over the four weeks of observation and control of the control of

TABLE 111-Severity of occophagitic and symptom

Grade of oesophagitis	No of patients	Episodes of heartburn mean (SD) -	No of days a week with heartburn oriean SD	No of antacids consumed mean (SD)
2	31 20 15	30 T - 22 S 0 13 0 27 4 40 T 24 1 16 4 19 6 59 5 29 7	11 9 2 87 11 1 3 43 12 5 2 42 12 6 2 19 13 0 2 0	49 H 42 S 40 H 42 T 63 4 56 9 50 H 23 7 96 0 54 0

Tis obvious from the findings of this study that as general practitioners we cannot assume that people who complain of heartbura are suffering from reflux oscophagitis. The endoscopic diagnosis of oesophagitis was true in only 45°. of our cases. We do not suggest that endoscopy is the only means of diagnosing the various conditions that were found. In general practice, however, it is desirable to cause as little inconvenience as possible to the patient but at the same time it is important not to substitute accuracy for contenience. The most convenient

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smitish MEDICAL JOURNAL VOLUME 287 13 AUGUST 1983 investigations are endoscopy and radiography, and results from other studies suggest that endoscopy is more accurate. Endoscopia for the accurate in the control of th

Onc hundred and forty four patients in general practice in Northern Ireland who had heartburn as their predominant gastrointestinal symptom and had had for at least four weeks were identified. Heartburn was described as a retrosternal burning sensition related to working disagnost and cased by safety and active the sense of the

We thank the general practitioners associated with the departme of general practice; those who referred the patients, and the Rox Victoria Hospital nurses who looked after the patients undergone endoscopy.

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Occupational Medicine

A week in the life of a general practitioner in occupational medicine

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Variety is the spice of life—or is it? If, like me, you are a general practitioner and think the answer is "Yes" then why not boost your interests and practice income with a little occupational medicine? The required ingredients vary, but, to take the more extreme case such as my own, the following are needed: a group practice with cooperative partners, a minimum list of about 1000 patients, and a minimum time spent in general practice of 20 hours per week (surgery and visting time). Throw in for good measure some appropriate training and you are ready to go. Remember, however, that total practice income from provise work must not exceed 15°... How then can you usefully occupy the remaining half of the week not used for general practice? Well, this will vary a lot but my own experiences may give some ideas.

Monday morning

Monday is never the brightest day of the week. Off to the surgery, check the mail, check for any house calls, then off to Norsk Hydro Fertilisers—interesting job this. It used to the following the

studies.

All seems well this morning with occupational health nurse.

He looks after the day to day running of the occupational health herice under my supervision. Given proper training, it is surprising how much nurses achieve. Sometimes I wonder how necessary I am! Back to do some general practice, and tag on to afternoon surgery a few company medical examinations and Department of Health and Social Security medicals for prescribed diseases. My partners do the life assurance medicals.

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Tuesday-Wednesday

Tuesday is dury day, the day we all look forward to! Busy in general practice, no occupational medicine except on the telephone, followed by night dury for 17 000 patients and the surgery, then off to the British Telecom Research Establishment for the United Kingdom, where I am a part time doctor working in a large national occupational health service of a nationalised industry. It is rather different from Norsk Hydro, and it is full of boffins and incredibly nasty chemicals. No administration required here. Nice suite comprising two office and a treatment-examination room. A full time nurse deals with most routine environmental side. Once dropped off to sleep in a union meeting here after a busy Tuesday night on call—not popular. Once instance of general practice and occupational medicine not going well together. Anyway, what toxic chemicals? Local doctor from the Employment Medical Advisory Service came down last week, wanted to know how we dealt with assent can candimin, part of the control of the contro

Thursiday

This is the best day—my official day off. I use it for a lot of occupational work, and since I visit the Norsk Hydro factories at Avonnouth and Immingham fairly offen I use holiday time for this and partners have allowed me an extra week off each year. Expense account rail travel appeals to me. It is a luxury to do paper work without the dreaded telephone lurking nearby. Also on Thursdays I make a monthly visit to London as doctor to London taxi drivers. Great fun, very interesting, Once you have driven a taxi cab round Hyde Park Corner a few times you can understand the stresses. I do a clinic for work related disorders. Have to bone up a bit on rhyming cockney slang and the position of Millwall and Chelsea in the football league tables.

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Typical problems are cataracts, driving while on drugs, phobias about such things as driving in the wet, and elderly onset diabetes and peptic uler: how on earth does a cab driver take small regular meals? Also, prostatic troubles, there just are no public toleles open in London at night. I also write a column for TAXY newspaper. I had better do another one on coronary risk factors. They just do not get any exercise and are also usually overweight and smoke too much. Free London taxis is a nice little perk from this job. The only trouble is that it is usually quicker these days to travel by underground.

Every other: Friday an early start to visit Volvo. They start as firm, and I om he there and back before the proper day really beginn. All Volvoe enter the country through Felistowe and are driven to I powich where they undergo quality control and repair if necessary before distribution. That is where I come im-20 paint sparcers, supposed to start spraying with necynatee based paint. This group of chemicals, principally toluene-discoyante, is a potent tensitive and can cause ashma. Volvo has artine breathing appearance, All and vitalgraph readings carried out, but there are still union objections to possible hazards. More than half of the paint sprayers smoke anyway. Funny how some groups of people smoke more than others. I managed to stop a few white doing their initial medical checks. Priday lunchtume I spend at British Telecom again. Talking of noscyanates, a man developed asthma here while the paint in was not properly labelled, nor did the data sheet for the paint mention socyanates. After two absences with asthma for the first time is his life at the age of 50 diagnosis of sensitisation to toluene-di-isocyanate was confirmed and I referred him to the occupational check clinic at the Brompton Hospital in Landon as there were bound to be further repressions. He toluene-di-isocyanate was confirmed and I referred him to the occupational check clinic at the Brompton Hospital in Landon as there were bound to be further repressions. He toluene-di-isocyanates and has now become sensitised to other things as well. It is British Telecom's policy to phase out all existing use of socyanates, and has now become sensitised to other things as well. It is British Telecom's policy to phase out all existing use of socyanates, and has now become sensitised to other things as well. It is British Telecom's policy to phase out all sixty gives a supervisory and consultative role. Although many hazardous substances pass through the port, which is the largest to a supervisor and consultative role. Although many hazardous substanc

BRITISH MEDICAL JOURNAL VOLUME 287 13 AUGUST 1983 rights must be found as the safety of others is also at risk. I lowise local general practitioners and hospital specialists to come and look around. One doctor was somewhat astounded when he saw the size of the crane that he had recommended an epileptic worker could operate. There is al 100 ft (105 m) vertical metal ladder to climb to get into the driving cab. It seems to be little appreciated that anyone who has been diagnosed as having had an epileptic fit since the age of 5 shall not drive as part of his Asswith the tax divivers, there are many light moments and very few problems as soon as the men realise that their interests and safety are the prime consideration. We had a young lad recently who was back in full employment holding a licence for heavy goods wholes 11 months after loning a leg in an accident. After dealing with such lens with the presonnel officers and the safety officers. Meetings often adjourn to the local pub which just happens to belong to the port and is located in the middle of the dock.

A patient's medical adviser will not divulge information without the patient's written consent to it being provided. The without the patient's written consent to it being provided. The medical properties of the patient's written consent to it being provided. The patient's provided properties will be the patient's provided report may be obtained from my doctor or hospital specialist by the company occupational health service. I understand that the clinical details in the report will be treated in professional confidence by the occupational health service based on it may be given to management, enter the properties of the properties of

That was a week in the life of a general practitioner with somewhat varied work. It would certainly not suit most doctors and a half day each week in occupational medicine is usually sufficient.

ONE HUNDRED YEARS AGO. In an article on the results of an examination of the case and the hearing of 5,008 school-children, in the Archare of Gology, vol. 8, No. 1, Dr. Wed makes some very sensible remarks. He considers, for instance, that every inattentive duild should have the set sear examined—so convinced is he of the fact that children who are simply hard of hearing are often instuded and considered matterities. Of course, it would be much better, he saws rightly reverse if it is not necessary that such examinations should be made by a medical man, since the teachers could do it, but of course not so well as the physician. It does not require much time or trouble, certainly not more than one hour for each class. The test could be made by a medical man, since the teachers could do it, but of course not so well as the physician. It does not require much time or trouble, certainly not more than one hour for each class. The test could be made in the school-room itself it there be no other room convenient. The teacher could place the pught in one control of the whopering. He should cause the words and sentences used to be repeated by the pught, and could thus eastly find out which of them

are hard of hearing. The would have the further detenting of calling the attention of parents on the condition of their children, thus presented the condition of their children thus presented the condition of their and making them profit by early treatment. The author believes that, in the great majority cases, the children whom he examined could be much benefited by proper treatment, and many of them could be entirely reflected in a submitted to proper treatment or at least not until after some years, when the disease will have caused changes which can then be but little benefited. The author thinks that many of the children will be condition, simply on account of the cost of treatment; and he therefore recommends the appointment of a proper surgious to be responsible for the health of schools, and whose duty it would be to examine the care of every child whom the health of the child whom the life.