951

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PRACTICE OBSERVED

Practice Research

General practitioners' views on asthma in childhood

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Effective control of asthma in childhood largely depends on the quality of diagnosis and treatment in general practice, where the control of diagnosis and treatment in general practice, where treatment, and education of parents and where an unknown but certainly high proportion of cases is managed. Evidence of deficits in general practitioners' knowledge about either diagnosis or treatment would cause anxiety in a disorder with a disturbing mortality, high morbidity, and effective treatment. The results of a study of children who had been referred to outpatient departments in Newcastle upon Tyne and London showed both underdiagnosis and undetreatment by general showed both underdiagnosis and undetreatment by general were preoccupation with infection as a cause of repiratory illness and, possibly more important, reluctance to use the term asthma. More recently, the results of a semistructured patient management problem about an evening home witt to an 8 year old boy with a fairly severe attack of asthma which was completed by over 900 general practitioners showed that of the 209 when chose initial treatment at home only 60 would give steroids by any route. Statem and 14 doctors regarded cromoglycate and antibiotics respectively as appropriate treatment for the acute Appreciable deficits in treatment were shown in a study of

attack.

Appreciable deficits in treatment were shown in a study of the use of drugs in the treatment of a representative sample of wheezy 9 year old children in the London Broough of Creydon.' One third of the children who had disturbed nights and restricted activity had not received treatment for asthma during the previous month. Only 14"... had used commodycate or

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inhaled steroids to prevent their asthma. The authors commented that use of the word asthma by the general practitioner is a major factor in determining anti-asthmatic treatment.

The results of a recent survey in Tyneside of 179 children specification of the properties of the prop

A series of 10 statements about several aspects of asthma in child-hood was sent by post to 107 general practitioners who had con-secutively referred patients to a paediatric outpatient department that mainly treated asthmatic children. This group of doctors was chosen in the bolief that they would give a high response rate to the inquiry and that as referres of children with respiratory problems indicate their opinions about each statement on a seven published, ranging from strong agreement to strong disagreement. In addition,

BRITISH MEDICAL JOURNAL VOLUME 287 1 OCTOBER 1983

BRITISH MEDICAL JOURNAL VOLUME 287 1 OCTOBER 1983

2, and 3 showed some agreement and ratings 5, 6, and 7 some discrement with each proposition. For example, the consultants in agreement with each proposition. For example, the consultants in 2, and 31, whereas the 29 general practitioners who answered in the 5-7 range were categorised as expressing disagreement with it and were therefore in disagreement with the consultants. Similarly, in as disagreeing with the consultants. When the consultants were compared with their disagreements with the opinions of the compared with their disagreements with the opinions of the compared with their disagreements with the opinions of the compared with their disagreements with the opinions of the compared with their disagreements with the opinions of the compared with their disagreements with the opinion of the consultant with the consultant of disagreements. Two groups of general practitioners, undergraduate reschers and trainers, had a significantly smaller mumber of disagreements. Two groups of general practitioners, undergraduate reschers and running the consultants for respondents who taught medical students was one, higher (p. 40 9) median of two. The means were 1833 and 2707 respectively. Similarly, the median for trainers was one (mean 1852), while for those who were not trainers it was ther (man 2.857). These differences as greater and trainers and "non-teachers" and trainers and "non-trainers" respectively.

TABLE IV—Comparison of disagreement between general practitioner respondents and consultants

No of	Frequency of disagreement										
disagreements with consultants	All	Teachers	Non-teachers	Trainers	Non-trainer						
0	7	3	4	6	1						
1	18	7	11		9						
2	18	3	15	4	14						
3	11	3	8	4	7						
4	13	1	11	2	10						
5	6	0	6	0	6						
6	3	0	3	1	2						
7	1	1	0	1	0						
Total	77	18	5H	27	49						

Discussion

The results of this study support the findings of earlier surveys that a proportion of general practitioners has an inadequate understanding of the problems of children with asthma. Caution, however, should be exercised in interpreting the results because the general practitioners who were asked to take the study had all referred children to the outpattent of the study had all referred children to the outpattent cemain unknown.

The variation in the respondents' opinions about early morning cough and exercise induced wheezing, symptoms about whose importance the consultants were unanimous, suggests that there is insufficient knowledge about the more undramatic and less streetoyped ways in which asthma freequently presents in childhood. Excessive emphasis on infection as the principal cause of recurrent respiratory ilmess in children, the frequency of chest infections in asthmatic c

asthma was not underlines the difficulties already discussed about early disgnosis. Other authors have reported that the reluctance of general practitioners to use the term sathma reduces the likelihood of appropriate treatment being given, a view supported by the opinions of many respondents about retartmen with antibiotics, cornoglycate, and broncholdilators, cornoglycate and broncholdilators, or an experiment of a denial mechanism founded on a lack of understanding of the effectiveness of appropriate treatment and of the need of parents to be given a rational explanation for their children's recurrent respiratory symptoms.

The results of this study suggest that a proportion of general practitioners lack awareness of the less classic ways in which are precoupled with infection as the principal cause of recurrent respiratory problems in childhood. That teachers and trainers difficulties concerning the management of childhood subma in general practice may perhaps be resolved in a relationary of the control of

Conclusions

Seventy seven general practitioners and seven consultants with a special interest in respiratory paediatrics rated their attitudes to statements about asthma in childhood on a seven point scale. Comparison of the ratings of the two groups showed statistically significant differences in nearly all instances. There seemed to be no correlation between the ages and practice characteristics of the general practitioners who were undergraduate to the statement of the production of the services of th

We thank the doctors who took part in the study and Professor David Metcalfe for advice and support.

- References

 Spegish ANP, Is childhood sathma being underdisgnosed and under-treated? Br. Med J. 1973 no. 231. 2

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 Anderson HR, Basiey PA, Gooper JS, Falmer JC. Influence of morbidity, Influence of the Control of the Contr

dectors received a questionnaire inquiring about their age, rolec of qualification, how long they had been in general practice, characteristics of the practice, and whether they taught undergraduates in their practices or were trainers.

Seven consultants with a special interest in childhood asthma were asked to express their views about the 10 statements using the same rating scales, and their opinions as experts were used as a standard with which the views of the general practitioners could be compared.

	Age (years)							
	- 30	30-39	40-49	50-59	> 647			
England 1977 (") Respondents ()	7	25 19.7	27	26 28 9	15 20 8			

BRITISH MEDICAL JOURNAL VOLUME 287 1 OCTOBER 1983

characteristics and place of qualification of the respondents were compared with the findings of the 1981 survey of general practitioners in Greater Manchester' to discover whether they were a representative

compared with the hadings of the 1981 survey on general practices and in Grazet Manchester to discover whether they were a representative group (table 11) group to the properties of single handed general practitioners was similar, the group of respondents was slightly subjected in favour of graduates of British universities and heavily so in respect of health entire practice. The last reflects the amount of rehuilding taking place after much decaying urban property was demoished in the area from which the hospital attracts a high proportion of its referrals. Eighteen (24...) of the respondents taught medical students in their practices and 27 (26...) were trainers, and there was some overward of the proposed of the proposed

Partnership			Place of qualification				
Single handed (")	lingle handed (") In partnership ("		Health centre (") Purpose built (") Other (converted) (")				
		Ne	pondents 1981				
16	84	33	13	54	83	17	
		Greater M	anchester survey 1981:				
19	81	18	21	61	72	28	

	Strongly agree	1	2	3	4	5	6	7	Strongly disagree	Mean	Media
	Statement 1: Recur	rent be	onchi	tis is a	high	ly pre	valent	condi	tion in young children		
Respondents n : 76		5	- 8	7	15	16	13	12		4 526	5
Consultants n = 7		0	0	0	1	0	2	4		6 286	7
	Statement 2: Antibi	iotics a	re pul	logic	al trea	tment	for a	tacks	of asthma in childhood		
Respondents n 77		24	22	7	5	7	7	5		2 870	2
Consultants n = 7		- 6	0	0	0	- 1	0	o		1 571	ī
	Statement J: Asthr	12 14 2	ome	um vo	ndirio	n in c	hitdre	n unde	r the use of 4		
Respondents n 77			16	12	15	13	×			3 688	4
Consultants n = 7		4	2	- 1	0	o o	ö	ó		1 571	í
			-								
	Statement 4: Inhale	d stere	vids sh	rould	be use	d wit	h caut	ion in	children with asthma be	cause of the	possibility
Respondents n - 77	Not theth	15	13	11	7	9	13	9		3.740	
Consultants n = 7		ó	- 1	0	2	ó	- 1	3		5 286	6
	Statement 5: Childs	ren wh	o freq	uently	wake	in th	e early	morn	ing with a chesty cough	usually hav	
Respondents n - 76		8	11	10	12	- 5	19	11		4:263	4
Consultants n - 7		0	0	0	0	- i	1	5		6 571	7
	Statement 6: It is p	ossible	for n	nany 4	vear	olds t	o usc	an Int	al spinhaler effectively		
Resoundents n = 77		28	17	12	7	- 5	5	3		2 623	2
Consultants n - 7		- 5	2	0	0	0	0	0		1 286	ī
	Statement 7: Cough	nine an	d who	wzine	after	nhysis	al exc	rcisc i	s not of great diagnostic	importance	
Respondents n = 77		- 1	5	6	7	8	23	27		5 506	6
Consultants n · 7		0	0	0	0	0	0	7		7.0	7
	Statement 8: Defor-	mity o	f the c	hest v	all is	more	often	the co	nsequence of inadequate	.,	thme then
Respondents n > 77			20	9	14	8	9	8		3 662	4
Consultants n 7		4	1	1	1	0	0	0		1 857	1
	Statement 9: Epison bronchodilators a	done			child	ren wi	ho are	,	stemically ill are best fi		
Respondents n - 77		25	25	11	4	1	9	2		2 558	2
Consultants n = 7		6	1	0	0	0	0	0		1-143	- 1
	Statement 10: Asth										
Respondents n < 77		8	16	12	17	8	13	3		3 675	4
Consultants n · 7		0	0	- 0	1	1				5.714	6

Results RESPONDENTS

Seventy seven replies were received, a response rate of 71°... Non-responders were not followed up. The ages of the responders were compared with those of a 1977 national sample of general practitioners in England' (table 1). Respondents were slightly older than the doctors in the 1977 national sample. Thirteen per cent had that the doctors in the 1977 national sample. Thirteen per cent had to the control of the 1972 national sample. Thirteen per cent had 20°., for 15 to 24 years, and 35°., for over 25 years. The practice

with the Mann-Whitney U test. For statements 1 and 5 there were 76 respondents and not 77 (one reply was omitted in each), and one doctor failed to answer the question about teaching and training. Only in statement 4, which was concerned with the adverse effects of treatment with inhaled steroids, did the difference between the ratings of the two groups fail to achieve significance. For the remaining nine statements the difference were highly significant (5 > 0.05) in seven (statements 1, 2, 3, 5, 7, 8, 10) and significant (p<0.05) in Except for statement 4 it was possible to identify the doctors who disagreed with the consultants on each statement separately. Ratings 1,

First Five Years in Practice: the 1920s

After the first world war

SWAND

There have been so many radical changes in medical training, organisation, economics, and practice since the first world war has for a proper appreciation of conditions then existing it is necessary to go into some detail. Most hospitals, including the teaching hospitals, were voluntary—that is, were dependent on boards of guardians. In voluntary hospitals consultants were unpaid or received a small homorarium. For income they depended on private practice carried on outside the hospital. Resident medical staff received a slarly; ninoris in a teaching hospital received about £50 a year plus accommodation, food, and laundry. In non-teaching hospitals, in which the suffernment of guardians hospitals were advancing rapidly in the quality of clinical care.

Setting up in practice

Entry into general practicitions was the problems of guardians hospitals with the suffernment of guardians hospitals was derived in part from a private private patient of guardians hospitals was a sum of the sum of guardians hospi

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tow. After the inth voted war, nowever, there were some new developments to compensate for the absence of building during developments to compensate for the absence of building during opportunities.

Purchase and sale of the goodwill of practices continued until 1948 when, under the National Health Service Act, provision was made for the ultimate payment of an agreed sum to compensate for the abolition of the right to sell a National Health Service Practice. Depending on the type of practice and the Service practice. Depending on the type of practice and the service practice. Depending on the type of practice and the service practice. Depending on the type of practice and the service practice. Was around one and a half times the average grot earning.

The incoming doctor had to buy or rent premise, and furnish and equip them, so that quite a lot of money had to be found. Money was not easy to save on the salaries paid and there could be problems in obtaining a loan. The doctor going into single handedly who could find no collateral or guarantees was not regarded as a public of the service of the ser