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BRITISH MEDICAL JOURNAL VOLUME 293 6 DECEMBER 1986

PRACTICE OBSERVED

Practice Research

Eye disease at a community health centre

Abstract. A pilot study of cye disease was carried out over three months in a general practice at a London community health centre. During the study 223 postnets with eye symptoms attended, epresenting 2-7% of all medical consultations and giving an annual consultations rate for eye disease of 57 per 1000 of the practice population. One hundred and sixty nine of these patients were seen by an order; seasonal allergic conjunctivitia accounted for 21% of these cases and other disorders of the lids and conjunctiva for 28%. The general practitioner's diagnoses were compared with the ophthalmologist's diagnoses are of external diseases, medical retinal disorders, and where ophthalmic symptoms were unophthalmic service in a community health centre would be cost effective by reducing attendances at the hospital outpatient department.

Few data are available on acute eye disease in the community, particularly for conjunctival and lid disorders, which accounted for over half of the ophthalimic consultations in a previous survey in general practice. Population screening studies have been carried out to estimate the prevalence of both individual diseases such as

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blindness, 'cataract,' and glaucoma' and all the chronic eye diseases: 'Such cross sectional studies cannot assess the incidence of acute conditions, for which prospective longitudinal studies are Prospective longitudinal studies of ever disease have been completed in general practice in the United Kingdom 'and Australia.' These were carried out on a large scale by general practitioners ruther than ophthalmologists, and although the results provide studied in differentiation on the incidence and prevalence of broad categories of ophthalmic disease, this cannot be extended to specific diseoders in the Royal College of General Practitioners survey ever classed and the Royal College of General Practitioners survey expects and the studies of the second of the second of large categories of disorders like 'conjunctivitis and ophthalmia.'

Without information on acute as well as chronic eye diseases the relative importance of the different eye disorders presenting to the general practitioner is unknown. This has made it difficult to plain the management of eye disease in the community in terms of the management of eye disease in the community in terms of the conference of the difference of the difficult to plain the management of eye disease in the community in terms of the conference of the difficult to plain the management of eye disease in the community in terms of the conference of the difficult to plain the management of eye disease in the community in terms of the community in terms of the community of the community in terms of the community of

Patients and methods An ophthalmic service was provided in the community health centre on three half days a week. The ophthalmologist was a member of the outpatient staff of a consultant ophthalmologist at Moorfields Eye Hospital to whose

BRITISH MEDICAL JOURNAL VOLUME 293 6 DECEMBER 1986 NEED AND COST OF AN OPHTHALMIC SPECIALIST SERVICE AT A COMMUNITY HEALTH CENTRE

NEED AND COST OF AN OPHTHALMIC SPECIALIST SERVICE AT A COMMUNITY BEALTH CONTEXT.

The consultation rate for eye symptoms for the three months of the study was 17 dpc 1000 patients and the epoche rate is per 1000, equivalent to an assume consultation rate for eye symptoms for the three consultations and 52 of 224 epoches of assumal altergac conjunctivities, not classified with the eye disease in the Royal College of General Practitioners survey: if this activated the annual consultation and 52 of 224 epoches of assumal altergac conjunctivities, not classified with the eye disease in the Royal College of General Practitioners survey: if this activated the annual consultation and epoche from the consultation of the cons

TABLE IX—Cost of 46 patient trists to an ophthalmic outpatient department compared this his cost of providing an ophthalmic specialist service at a community health centre or 1985 cuts.

Cost of 46 ophthalmic outpatient visits to Moorfields at £16-69 each:	£767 74
Cost of providing an ophthalmic service for one session a week at the	
health centre	£422 81
Saving	£344 93
Capital expenditure required to set up an ophthalmic examination r	oom in a community
health centre 1986 proces	
Cou of fixed stems	
Sunete illuminated Spellen chart	£133
Stir lamp microscope	£3750
Total	£3883
Cost of portable serve	
Indirect ophthalmoscope	1472
Truel lens case	£435
Goldmann 3 murror	£155
Total	£1062
	14945

Table IV gives this comparison for the three months of the study and shows that there is a awing of 1344 9) as a result of seeing these patients at the health centre. This does not include the additional consist framporing account the increased convenience for both the practice staff and the patients of having their own ophthalisms generalist service. The capital cost of the equipment required to set up an ophthalisms centainstension service at 1986 start on the comparison of the comparison of

I thank Drs C A Steen, M Modell, S Freudenberg, J N Rea, G D Yodkin, M Wojciechowski, and R MacGrepor and the staff of the James Wigg Practice for their help with the study, D r C Riddington for administrative help. D Minissain and Dr A Hanne for advice on the protocol. L Davies for advice on the protocol. L Davies for advice on the protocol. L Davies for most protect.

advice on cossing. From Research Fellow in the department of clinical position of the From Research Fellow in the department of clinical ophthalmology. University of London, for the duration of this study. His work was superposed by R J Buckley, who with Dr A M Edwards, director of medical affairs at Fuons plc, planned this project.

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Clinic referrals were made. All patients who were registered with one practice at the Kentish Town Health Centre. London, were included in the study, which was carried out between 20 May and 20 August 1987. The practice has seven general practisioners and is in a purpose built health centre that is numera and a compourted patient repaired. The practice that is numera and a compourtened patient repaired. The practice servers a density populated area of half a square mile divided in two by the Kentish Town Road. In June 1994, 1914 patients repaired to the practice of the practice

PREVALENCE OF EYE DISEASE

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TABLE 1-Number of epitodes of each presenting diagnosis in patients seen by the ophthalmologist (percentages in parentheses.

Disease	n - 169
Seasonal allergic conjunctivitis	36 21 3
No abnormality detected	22 - 13
Biephantis	11 6 5
alaract	10 5 9
Farnal cyst	8 14.7
Macrobial conjunctivitia	
Motality disorders	
Macellaneous neuro-ophthalmic disorders	7 41
optic neuropathy, drug induced mydrasis, visual deterioration.	
nystagmus. Bell's palsy, amourous fugar, metastases in skull	
Ametropus	6:36
Blocked nasolacrumal duct	5 1
Perenmal allergic conjunctivitis	5
Muscellaneous lid disorders	5
(ingophthelmos, imprago, birpharospasm, entropion, (vsi of Moll-	
Mascellaneous retunal diseases	5
(retunal detachment, receptor dystrophy, vitreous haemorrhage,	
posterior vitreous detachment, branch retinal artery occlusion:	
Muscellaneous congunctival disorders	4 24
panguecula, vernal, subconsunctival haemorrhage, toxic commercivitis	
Attrony Bouters	4
Transpa	4
Kermocomunictivitia secs.	3 18
Contact lens related disease	1
Branch wern overhouse	2 12
ad dermaturu	2
onworten cen	3
Enselenta	,
Narrow angle glaucoma	2
Macular degeneration	3
Murrane	î
nta	1 06

TABLE II—Diagnoses made by general practitioners or morning staff (free par the 54 patients who did not see the ophthalmologist

	No	`
Macrobial consunctivitis	21	19
Seasonal allergic consunctivitis	16	30
Cataract		
Tarsai cyst	,	6
Biephants	2	4
No abnormality	2	4
rauma nurse	1	2
tetunal disease	i	2
Aber (nurse)		7

Same as ophthalmologist	12	
Seasonal allerenc consunctivitis	1	
Microbial consunctivity	1	
Tarrai cost	i	
Monkey	i	
Blocked nasolacramal duct	i	
Vitreous footers	2	
Different from ophthalmologist	18	
Ophthalmologist's diagnosis	General practitioner's diagnosis	
No abnormality	Field defect (optician referral)	
	Open angle glaucoma	
	Chronic allergic conjunctivitis	
	Retinal detachment	
Lad and conjunctival disorders		
Biepharitis	Allergic blephantis	
Foliscular conjunctivitis	Allergic consunctivitis	
Total conjunctivitis	Microbial conjunctivitis	
Keratoconjunctivitis suca	Gritty eyes	
Dermautis	Consunctivitis	
Returnal disportiers		
Retunal detachment	Consunctivitis migraine	
Branch vein occlusion	Retinal detachment	
Cellophane maculopathy	Cataract	
Macular degeneration	Cataract	
Neuro-ophthalmic disorders		
Optic neuropathy	Poor vision	
Metastatic disease	Consunctivitis	
Episcientis	Ints	
Into	Conjunctivitis	

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For Periors 1971, 51 to

Doctors as nutrition educators? Part III

MARGARET B CLARK, ELIZABETH M EVANS, MARGARET B HAMILTON-SMITH

The person dies every three minutes of coronary heart disease in Britain. Poor diet is one of the major risk factors. Can you give the proporties dietary advice to your patients?

(1) What are the Committee on Medical Aspects of Food Policy (COMA) commensation?

(2) What is the most effective way of reducing a high serum cholesterol momentation?

(3) Should every cow carry a government health warning?

(4) What rived diet is used to treat raised triplycende concentrations?

(4) What rived of der is used to treat raised triplycende concentrations?

(4) What rived diet is used to treat raised triplycende concentrations?

(5) Excluded alcohol and sugar.

concentration?

(3) Should every ow carry a government health warrung?

(4) What type of det is used to treat raised rightycende concentrations?

(5) What is MC72 have the conditions when you would use it is still consider a condition of the conditions when you would use it is limited school and sugar.

(6) It is tundes such or landeres such more beneficial for a "healthy heart" but the conditions when you would use it is it is under such or landeres such more beneficial for a "healthy heart" but the conditions when you would use it is limited by the conditions when you would use it is limited by the conditions when you would use it is limited by the conditions when you would use it is limited. (7) When many age can be actual widthy in a week?

(8) For those washing to lower their fat intake, which milk would you recommend?

Parts I and II appeared on 11 October, p 928 and 18 October, p 998

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