

PRACTICE OBSERVED

Research in Progress

Thirty one years of herpes zoster in a rural practice

JOHN B WILSON

Abstract
The principal finding in this study of 151 cases of herpes zoster in a rural practice was the predominance of patients who had a lesion on the right side. This supports the proposition that the site of occurrence may be determined by repeated trauma.

Introduction

Herpes zoster has held a great fascination for me during my 33 years in a rural practice in south west Scotland. Over the years I have watched its association with chickenpox become better understood and its morphology elucidated.

stimulation of the virus by an unknown cause. In most cases, however, the precipitating cause remains unknown.

Findings

All cases of herpes zoster seen in the practice over the past 31 years were noted. During that period the size of the practice remained at 150 patients.

TABLE I—Age and sex of patients who had herpes zoster

Table with 3 columns: Age group, Males n (%), Females n (%). Rows include 0-20, 21-40, 41-60, 61-80, and over 80.

The numbers of males and females who developed herpes zoster, corrected for the numbers of each in the practice, are roughly equal, though the age incidence tended to show a disproportion of young males.

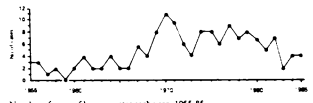
Attacks occurred most commonly during the summer months with a peak in September (table II), showing a more definite incidence during

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summer months than in Hope Simpson's series of 192 cases. He considered that the time of year had no effect on the incidence of herpes zoster.

TABLE II—Time of year of attacks

Table with 2 columns: Month, No of attacks. Rows include Feb, Apr, Jun, Aug, Oct, Dec, Jan, Mar, May, Jul, Sep, Nov.



The incidence of herpes zoster in various parts of the spinal cord shows the essentially centripetal distribution of the rash when a large series is analysed.

TABLE III—Possible precipitating factors

Table with 2 columns: Sex and age group, Condition. Rows include M 56, M 54, M 42, M 31, F 82.

Possible precipitating factors—Previous writers on this subject have commented on the incidence of zoster at the occurrence of prodromic neuritis, but the incidence of this complication in this series is low.

Discussion

Many of these results compare well with those of previous investigators into herpes zoster and show no major points of variance in age, sex, or distribution of the rash. One result, however, was significant (p<0.01)—that is the decline in the frequency of attacks in men aged over 60.

Perhaps the mechanism of this late association lies in the reflex irritation caused by the infection, and one case in this series tends to confirm the reflex stimulation theory: a patient with chronic sciatica in whom the rash appeared in the appropriate segment.

An interesting and previously unrecorded point brought out by this survey is that the right side of the body (92 cases) was affected more often than the left (59 cases), suggesting that the greater use of the right side by the predominantly right handed population may decide the site of the eruption.

right arms and developed herpes zoster in the appropriate areas supports this contention and also Jules Jensen's proposition that the precipitating factor in determining the site of the rash is trauma, probably repeated rather than acute.

The patients in this series with recurring attacks of herpes zoster did not, as is usually suggested, develop the rash in the same segment as in the previous attack. This is another finding whose importance is difficult to evaluate because presumably there was a different precipitating factor on each occasion.

Another finding not mentioned by previous investigators is the variation in the incidence of the disease over the years, with a definite increase in the incidence between 1969 and 1982. No obvious cause for this could be found.

Like so many investigations this study has posed more questions than it has answered. Why the rash of herpes zoster should occur in a particular segment seems as far from being answered as ever, although it has been suggested that mild trauma plays a part, and reflex irritation seems a reasonable theoretical suggestion in some cases.

Good Practice

What is a good GP?

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There must be as many views about the qualities that make a good general practitioner as there are patients. I could describe the attributes I require in a GP in my various roles as patient, father, husband, and son.

First and foremost, it is essential to take elderly patients seriously—to have the patience to give them the time, understanding, and respect that they need.

patients zoster and chickenpox was fascinating. Seven patients caught chickenpox from patients with herpes zoster, but four patients appeared to develop shingles after contact with patients with chickenpox or herpes zoster.

The spread of the infection among patients with herpes zoster has been confirmed by the report of seven cases of herpes zoster in a small factory.³ The authors suggested that the spread of the infection was by droplet infection from the nasopharynx, for in none of these patients did the rash develop on an exposed part of the body.

In 1974 Hope Simpson reported herpes zoster in three young children in the same family over a five year period and asked for similar cases to be reported.⁴ Obviously the story of this fascinating condition has not ended.

I thank Mr W Lutts of the Medical Computing and Statistics Unit, Edinburgh University, for his kind help on the significance of the statistics.

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where many people become more marked with increasing age, however, and variation around the norm increases—whether it is haemoglobin concentrations, sodium concentrations, or personalities that are being assessed. Many elderly people are "difficult." They have been made that way by their experiences. Illness in old age is "difficult."

Elderly are disregarded

Although there is good evidence of the need of elderly people for medical services, there are signs that some general practitioners are reluctant to take these seriously. Evidence from the examinations of the Royal College of General Practitioners shows a serious disregard for the problems of the elderly. Less than 8% of

70 aged consecutive consultations were concerned with patients over 75 years of age. In addition, of 60 questions in the multiple choice question paper for the membership of the Royal College of General Practitioners (1982-3), none could be classified as "geriatric medicine." Less than 2% of general practitioners are members of the British Geriatrics Society. These may be unsatisfactory markers, but patients commonly report that GPs dismiss the elderly and their symptoms.

Such a state of affairs is bad for the current generation of elderly people: the main consumer group of the National Health Service; and will be bad for the future of the medical profession. It is unlikely that future generations of elderly people will contain as many stoics as at present. The introduction of good practice awards might be an opportunity to correct this present sorry state of indifference.

Hospital or home?

Many elderly patients with acute illnesses are often admitted to hospital simply because there is insufficient support for them to be nursed and nourished at home. If sufficient help was available (up to and including 24 hour nursing and domestic help) these patients would prefer to make their recovery at home and would probably do so more quickly in their familiar surroundings.

extra work required should be rewarded. The active support from GPs would make the growth of such schemes more likely, and good practice awards for activities that are currently impossible to carry out because of lack of facilities would act as a powerful stimulant for the necessary changes in resource allocation in a health district.

So far I have concentrated on services for the old directly, who clearly are a medical responsibility. I would like, however, to see medical activity extending to the fit elderly, especially the young old—those who have just reached retirement age. Current retirement courses are based towards financial matters—for example, "How to invest your lump sum." An retirement people are ripe for re-education about their "lifestyle" and are prepared to make changes in their behaviour.

Show an interest

The use of practice awards should make it possible to encourage improvements in medical care of the elderly—in most, if not all aspects, but it is also important to encourage continuing interest in the health problems of the elderly and their possible solutions. To assess and monitor a GP's performance in this respect is not easy. Nevertheless, the possession of the diploma in geriatric medicine may be a useful indicator. It is fashionable to deride examinations, but success in the diploma depends on the GP showing insight into relevant problems and evidence of familiarity with relevant publications.

Because of the nature of the task put to me in the request for this article I have concentrated on current deficits in general practice. I must conclude, however, by registering my admiration for most of the general practitioners with whom I work. It is a pleasure to collaborate with them in their management of elderly patients and to assist in the training of doctors who wish to enter general practice. In many surveys of vulnerable elderly people at home it has been shown that it is their general practitioners who visit them more often than any others from the caring professions—for example, the social worker, volunteer, or members of the church—and of this we should be proud, but we should not be too proud to shy away from any deficiencies or opportunities to improve matters.

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Herpes zoster presenting as renal or gall bladder colic.—Two women, aged 66