PRACTICE OBSERVED

Trainees' Corner: Managing Chronic Disease

Managing arthritis

RAY MILLION, TERRENCE REILLY

This article is based on an audiovisual presentation made for vocational trainers in general practice by the MSD Foundation. Further information about the video-cassite programmes on which his series to based is available from the MSD Foundation, Tavistock House, Tavistock Square, London WCI.

In general practice to manage arthritis of whatever type successfully the general practitioner needs an understanding of the impact of the illness on the patient's whole life. Although prescribing drugs and performing surgery play some part in management there are other equally important actions to take. Many patients need physical aids at home and work, and decisions must be made about physiotherapy, such as correction of posture or when to rest and when to exercise, for all patients with arthritis. Careful psychological support must be given, for the popular image of arthritis is a frightening one. We will refer to the four patients who were discussed in the first article.

Brian Hall has ankylosing spondyltis. What are the priorities of management for patients like this? Brian will have to live with his condition for the rest of his life so its nature must be fully explained to him. The aims are for him to keep his back and chest mobile and to maintain a normal posture—a soviding the fixed bowed spine which used to be the final hallmark of the disease. Specific exercises should be advised for this; and pain relief, so essential for all patients with arthritis, should be added.

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quate for its own sake and because performing mobilising exercises may generate more joint pain. The physiotherapist will teach him active exercises to put the affected joints through their maximum range of movement.

The drugs used in Brian's treatment, because they are likely. The drugs used in Brian's treatment, because they are likely drugs used as phenylhutazone, which for so many years was considered the drug of choice. The most commonly prescribed anti-inflammatory drug is indomethacin, given three times daily in a total dose of between 75 and 150 mg. Naproxen suppositories may be used to prevent morning stiffness, but there are many other effective alternatives available. Spinal radiotherapy, another old favourite, has mainly been abandoned because of its risk of late-onset leukaemia, aplastic morning the stiffness of the production of the control of the production of the control of th

Doris Taylor has active rheumatoid disease. She is 48 years old and has recently developed pain and swelling in her joints. What are the priorities in the management of such patients?

The first essential is to induce remission of her acute symptoms. Reducing the inflammation, rest, and pain relief are the immediate aims: so are avoiding irreversible joint damage and

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The consultant team will aspirate the join and may perform a synovial biopy to determine the type of infection and them to the property of the infection and organise regular, consistent follow-up ... and notify the disease to the community physician.

Occasionally monarthritis mimicking spetic arthritis arises as a sequel to virus infections such as influenza, rubella, or hopatible. When, as on Mahmer of the family must be checked, along with close second-line contacts. This will be organised by the community physician note the disease has been notified.

Tuberculous arthritis is usually treated in hospital with

rifampicin, para-aminosalicylic acid, and ethambutol or isoniazid. After the patient is discharged home treatment is continued for between six and 24 months. The general practitioner should be responsible for organising the physiotheray needed to maintain muscle bulk and the fullest range of joint movement.

These two articles have tried to put forward a comprehensive, reasoned approach to the patient with arthritis of whatever cause. In spraioular, they have established that the general practitioner is the main decision maker for patients with arthritis. His is the central role, and undertaken in this way it can be a most productive and satisfying one.

We are grateful to Dr Tom Smith and Dr Sally Hull who helped with the preparation of this programme.

Volunteers in General Practice

It does work

A ALLIBONE

In Britain the tradition of volunteers helping to care for people in need goes back through the centuries. Medical care was founded on such help. As voluntary hospitals developed, community support flourished. Community support Beaurished. Community support Beaurished to decline only when the National Health Service was started, and this is perhaps attributable to the influence of the two giants of the modern state: the bureaucratic administrator and the trade unionist, though professionalism has also been blamed. In general practice, however, the community has needed to the desired and the trade unionist, though professionalism has also been blamed. In general practice, where, the community has needed for this Firstly, the general practitioner as an independent contractor saw no possible benefit either for himself or his patients and, furthermore, could clearly expect the disadvantages of changing the accepted doctor/patient relationship. To change this the benefits must be seen to outweigh the disadvantages of changing the Government may be planning to shift care from institutions to the community, such a change in attitude is necessary and can be Government may be planning to shift care from institutions to the community, such a change in attitude is necessary and can be Government may be planning to shift care from institutions to the community, such a change in attitude is necessary and can be Government may be planning to shift care from institutions to the community, such a change in a titude of necessary and can be Government may be planning to shift care from institutions to the community and could be considered and the community of the cample, in the control of the country of the cample, the Clitzen's Advice Bureau, the volunteers who provide a range of services of consistently good quality and reliabile, when provide a surge of services of consistently good quality and reliabile services are provided by, for example, the Clitzen's Advice Bureau, the volunteer bureaus, the probation and school service

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doctor/patient relationship. I do not see how you can expect to call on the help of a patient as a volunteer at one moment and then say, for example, that your appointment system is so booked up that you cannot offer him an appointment for at least four days, or refuse to speak to him when he telephones you on your private number at home. Some patients take advantage of this. None the less serving their fellows seems to brothy our control of the property of

Finding the need and the people

Finding the need and the people

The first decision that the doctor must make before starting a scheme using volunteers is what he wants them to do. It is a question of establishing the paramount local need. In my practice there was little difficulty. In 1973 on my list of 2400 patients roughly 30°, were over the age of 65 and 12°, were aged 75 or over. Furthermore, the services for the elderly were grossly inadequate and in times of financial constraint were unlikely to improve. Clearly, the impending crisis of old age was no longer impending, and I was also irritated at being told resources in the community to provide an improved service for the elderly, and this has largely been achieved with volunteer support and help. More than 200 volunteers work from a purpose-built day centre, which is used for a luncheon club twice a week serving 25 lunches each day. This has immeasurably improved the social contact of the isolated elderly people in our villages. Two days a week the centre is used for day care for 15 of my patients and provides many of the services of a geriatric day hospital. Forty-two volunteer nurses provide simple nursing care in the patients' homes supervised by the district nurse. Inevitably, 200 cleans and 220 colunteers require administrative backup, which is provided by a small number of

maintaining muscle bulk and power. Attention must also be paid to non-articular signs and symptoms, and there must be considerable psychological support.

Rest in the early stages means bed, with back and foot supports and splintage for the writts and knees where necessary. Non-steroidal anti-inflammatory drugs will give some relief from pain and reduce some of the inflammation: aspirin is still the treatment of choice, provided the patient can tolerate between 35 and 5 g a day. Tinnitus and actions may occur when the daily dose exceeds 4 g. A wide variety of non-steroidal anti-inflammatory agents is swalable as an effective alternative.

enti-inflammatory agents is available as an effective alternative to aspirin.

If after two to three months of taking the simpler non-steroidal anti-inflammatory agents in association with bed rest the inflammatory signs have not subsided, then second-line drugs such as penicillamine, chloroquine, or gold may be used. Their serious advence effects, of course, make careful monitoring essentiations of the serious devene effects, of course, make careful monitoring essentiations of the serious advence effects, of course, make careful monitoring essentiations of the serious development of the serious analysis, and active physiotherapy may be started as the inflamed joints begin to settle.

As the patient improves she will need advice and support for returning to family and work commitments. Aids such as splints may be necessary, or she may even need to change her ight

for returning to family and work commitments. Aids such as splints may be necessary, or she may even need to change her job.

Many patients return to their normal lifestyle, but for those whose remission is incomplete or who have persisting disabilities the Department of English who have persisting disabilities the Department of English who for the districtive work; and to offer industrial retraining if necessary. The contact should be made by the general practitioner, who will also need to be committed to the continuing assessment of changes in locomotor function and its treatment, whether by physiotherapy, or drugs, or both. In addition, the occupational therapist has an active part to play both at hories and at work, and he or she is an invaluable member of the primary care team.

The properties of the primary care team. The patients with theumatoid arthritis to become severely disabled, but they face serious difficulties in maintaining an independent and safe life-style. Everyday tasks that are taken for granted by the healthy adult may become frustrating, tiring, and downright dangerous to the patient with rheumatoid arthritis. A home that seems normal to us may become a maze of hazards for even the partially disabled, But living pasce can be reorganized, and many adds are now available. The general practitioner should be able to modifications to taps and electric pulse; a chair with a seat that rise; and aids for fine manipulation—for example, turning knobs on a radio and tea-pot pourers. Occupational therapy departments can provide information on the range of aids that are available locally. Further information may be obtained from: Disabled Living Foundation, 346 Kensington High Street, London Wit All & (Relphone 19-92 2011); RADAR, 25 London WCIR 4AR (relephone 01-92 8572).

What has surgery to offer the patient with rheumatoid arthritis? Much more than is commonly thought. The general practitioner is not expected, of course, to know the details, but he should know what is available for which problem. Techniques range from relatively minor procedures such as the decompression of fenor tendon sheaths to total hup replacement. The course of the comment of the course of the cour

Mary Evans: a patient with osteoarthritis

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Much of what has been said about Doris Taylor is just as relevant for Mary Evans, whose osteoarthritis of the hips has produced referred knee pain. Mary Evans' namin need, like produced referred knee pain. Mary Evans' namin need, like produced referred knee pain. Mary Evans' namin need, like progress. Heberden's and Bouchard's nodes, for example, may be unsightly but do not cause important dyfanction. Osteoarthritis of the first carpometacarpal joint may produce a painful and tender base of the thumb in older women, and a similar problem may arise in the great toe with hallux valgus or hallux rigidus, which will respond well to surgery.

The worst problems of osteoarthritis arise when it affects the knees and hips. The aims, as with rheumatoid disease, are to relieve pain, to give remedial physiotherapy, to help with aids.

As with rheumatoid disease the relief of the pain of osteoarthritis in sow thought to be associated with inflammation, and non-steroidal anti-inflammatory agents are the drugs of choice.

Physiotherapy may sometimes be arranged at home, as may the services of an occupational therapist when necessary. The Disablement Resettlement Officer should be consulted early, particularly for people with high disease who have been employed in the patient has osteoarthritis of the hip that has reached the stage of painful limitation of movement with flexion contracture and night pain, then total hip replacement should be considered. Knee replacement in osteoarthritis is much less commonly performed, and the results of this operation are not yet as good as those for hip replacement.

Mahmet Kashmi: a patient with septic arthritis

Mahmet Kahmis tuberculous joint has been left to the last
because he presents a different set of problems to the family
dector. What should the general practitioner do when presented
with a possible septic monarthritis? The general practitioner's
role in dealing with a patient with septic arthritis is purely
diagnostic. The differential diagnosis in a previously healthy
patient presenting with such a monarthritis undways include
applic arthritis, and if this remains a possibility after the first
examination then the doctor is obliged to refer the patient for
consultant management.

dedicated and active volunteers working with the primary health care team.

How are these leaders found from among our patients? There is good evidence that in each small community there are one or two people who their fellows recognise as having assumed a responsibility for their welfare and also have a legitimate from a practice nurse who runs the day together and the form a practice nurse who runs the day together, to a village postumistress, a farmer's wife, a former general who runs the transport service, to the young wife of a local solicitor, who was a nurse and midwife and runs the volunteer nursing scheme. They are the core of the organisation: their interest is assured because of their experience, and their reward comes in part from being able to work effectively and in part from having a great deal of responsibility of the volunteer service are maintained by delegation and by incorporation. I do not interfere with transport, the luncheon club, or finance, which are essentially by tasks. I merely ensure that the individuals in charge are responsible to the management committee and both work together as they should. On the other hand, nursing, physiotherapy, and the day hospital are organised by the primary health care team, and my precioe nurses and district nurse are responsible for supervising and using their volunteer helpers, who like to practise the profession for which they were trained. In using this approach there has been no difficulty in maintaining standards, but the support and involvement of professional health workers are essential to the success of any medical caring scheme.

Finance has never been a problem, largely because the community and the health and social service authorities approve and support the aims and activities of our volunteer organisation. A priming fund of £200-£300 is necessary. Our expenses in the year ending 31 August 1981 were £4072 and our income £6330. The county council gave a grant of over £1500, £1000 came from a wealthy local private charity, £1000 from interest on capital, and the remainder from legacies, private donations, and local fundr-aining: our target is 50p a head per year. Our

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BRITISH MEDICAL JOURNAL VOLUME 283 12 DECEMBER 1981 substantial capital reserve is in part insurance for the future and in part for an extension to our day centre. Our income since 1974 has been over £775000, including money from joint funding, Age Concern, the Nuffield Provincial Hospitals Trust, and other charities and individuals. Of this, £20000 was spent on the Glaven Centre, £0000 on a min-thus, and about £15000 on the Glaven Centre, £0000 on a min-thus, and about £15000 on conditionate the following the foll

I have given a personal account of how volunteers can be used in primary health care. Unfortunately, if the contributions of patients on family practition committee, community health councils, and occasional isolated patient participation groups are excluded then patients in general practices are simply patients with little or no knowledge of the problems of the health service. This may explain some of the public's lack of understanding of our problems as general practiciar open death professionals and may deny the profession the opportunity to develop and control a resource that has the potential to improve the care of our patients.

ONE HUNDRED YEARS AGO A memorandum has been drawn up by the Local Government Board, embodying the hygenic principle to be observed in the establishment of a cemetery, to prevent in from becoming a source of nuisance and danger to the living. The dangers to public health, to which places of burial may give rise, are of two kinds, vit, the contamination of air by the guesous and volatile, the contamination of air by the guesous and volatile, position. Contamination of air may take place in several modes. The gases evolved from putterfying bodies may make their way to the surface through porces of issures in the ground, or may pass into open greates due in their neglibourhood be drawn up into the interior of houses. Or noztous emanations may be given off from putrid drainageware, whether baded out of graves and thrown upon the surface, or draining into open channels or watercourses. Thus nuisance and persons attending fourerals, but also the inhabitost of houses in the neighbourhood of the burial-ground. To obviate these risks, it is necessary that the number of decomposing bodies in a given portion of ground should not at any time be so great that the gaseous products soil, or taken up by vegetation; that a sufficient depth of earth intervene between corpses and the surface; and that the soil be of a suitable nature and properly drained, the a sufficient depth of earth intervene between corpses and the surface; and that the soil be of a suitable nature and properly drained, the attainage-water being innocousily disposed of. Furthermore, since the stimospheric contamination which

has to be especially guarded against is that of the air in the interior and neighbourhood of human habitations and frequented piaces, it is a sufficient distance from dwellings, in order that any efflivial strains a sufficient distance from dwellings, in order that any efflivial strains from it may be distured by diffusion, or dispersed by the winds, to so not to find their way, in an injurious state of concentration, to places where they will be lable to be inhaled. Foul inquied from praves may be injured by percolation from it, and in either case, if the water be used for drinking, injury to health may be occasioned. The liability of wells to pollution obviously depends partly upon their proximity to it, ground. Thus a intervening imprevious ded of they will prevent follow a strain of the composes such matters from reaching a well, and filtration through a sufficient distance of porous serted soil decomposes such matters into harmless inorganic substances, which are faced by the soil or taken up by plants. Ceremetery should have a suitties to all and be properly drianced; and that it should be at a sufficient distance from suberranean sources of water-supply; and in such a position with respect to them that the percolation of foul matters from one to the other may be impossible. The sanitary may be summed up under four headings:—I Suitable soil and proper elevation of site; 2 A stuilable position, especially with respect to house and sources of water-supply; all Sufficient space; 4 Proper regulation and management. (British Medical Journal, 1881.)

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