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PRACTICE OBSERVED

Practice Research

Reactions of patients to video recording of consultations in general practice

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Abstract
The potential value of video recording for examining medical consultations depends on the extent to which such recordings are consultations depends on the extent to which such recordings are the views of 295 patients in two general practices whose consultations were filmed and compares them with the views of a control group of 185 patients. Most of those who were filmed and congrares them with the views of a control group of 185 patients. Most of those who were filmed are overlined are consultation with the views of a control group of 185 patients. Most of those who were filmed are consultation, their rapport with the doctor, or other aspects of the consultation, their rapport with the doctor, or other aspects of the consultation, and tone practice, however, filming was significantly associated with lower ratings of rapport some direct effect of filming. Patient refusal rates from other studies are also examined and shown to vary systematically—the more opportunity patients are given to decline the more likely they are to take it. Consideration of doctors' responses to being filmed would usefully complement the emphasis on the views of patients.

Video recording techniques are being used more and more to examine medical consultations and as add for training, self review, and research. "Such methods offer a more permanent, comprehen-sive, and flexible record of the consultation than verbal descriptions or direct observation alone. As the necessary technology becomes

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necessary to establish the extent to which filming affects the consultation.

This, however, presents methodological difficulties. It is impossible to compare the "seen" and the "unseen" consultation precisely because one is unseen. Some comparison could be made if doctors' ratings of filmed and unflimed consultations in which they had participated were available, but no such study has apparently reactions of quittents who have been filmed. Two principal approaches have been adopted. The first is to ask patients directly whether filming affected the consultation in various ways. For example, Campbell, reporting on a survey in general practice, concluded that video recording was acceptable to coughly 5% of patients and that no patients reported adverse effects on the consultation. Martin and suggested that roughly 20% of patients shough that the consultation had been affected—for example, by making then less willing to talk about embarrassing matters. Research using these methods may raise interesting issues, but the weaknesses inherent in such designs make most conclusions speculative.

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to a single site and us in a special conformation of single site and us in a special confounding effects of background variables such as the age and sex of patients.

It is likely therefore that the reactions of patients to video recording ment further consideration using more complex research introducing a computer into general practice coasilizations. 'This spaper examines the views of patients at two practices whose consultations were finished and compares them systematically with the views of control groups of patients at each practice who were not filmed. These consultations all took place before the computer was introduced. Both direct and indirect assessments of filming are considered by addressing the following two questions: (i) How intrusive and disruptive was the filming perceived to be' (in) How did it affect patent's perceptions of and reactions to the consultations did the first six the two precisions space and the robustness of the findings that emerge from either practice to be considered.

appointment, when the superior were service for a readment of the control of the conditions. Under the conditions of the conditions were the conditions. Under the conditions were the conditions were the conditions of the conditions were the conditions of the conditions were the conditions were the conditions of the conditions were the conditions of the conditions were the conditions which were the conditions which were the conditions which were the conditions which were the conditions of the conditions which were the conditions which were the conditions of the conditions which were the conditions of the condit

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(1) Doctor attentiveness and rapport (eight items, n=0 83, five point scales: "strongly agere" to "strongly disagre"." Items as he to tell the doctor everything I vasared to?, "The doctor was very interested in me as profit of the provision of information by the doctor (who items, n=0 75, four point scales: "nothing" to "enough".—"Dub the doctor ridl you enough about what was rowg with you?",

(in) Expected ense of compliance with the doctor's instructions (one item, four point scale: "rwy difficult" to "very easy",

(in) Expected one of compliance with the doctor's instructions (one item, four point scales: "completely" to "little or none of it").

(iv) Confidence in effects; of treatment (one item, four point scale: "very likely" to "not likely as all").

(vi) Suitablicion in effects; of treatment (one item, four point scale: "completely interested in the profit of the point scale: "completely interested in the profit of the point scale: "completely interested in may be insufficient as absolute indexes of patients" attitudes, they are adequate for comparisons between groups of patients.

Mean scores for perceroad rapport between doctor and patient and provision of information by the doctor by reports from patients of differences due to filming at the single rate practice

	Range of scores	Some effect of filming (n - 11)	No effect of filming (a = 45)	F	,
Doctor-patient rapport Provision of information by doctor	\$-32	13-50	9-96	4 33	p<0.05
	2-4	2 67	2-03	27:31	p<0-001

Note: High scores indicate more negative views for each measure. No comparison is possible across measures.

The patients it single site practice who were ensistive to filming tended to be younger (wrenge agg 349 years) than other patients there. All but one were women. They had consultations, however, for a varying of reasons, only some of which could be described as sensitive, such as contraception only some of which could be described as sensitive, such as contraception and unnary infections. The small number of patients make further analyses unproductive, but the results suggest that there may be some patients whose reports of the consultation are adversely affected by filming.

Discussion

Overall, the findings of this study do not indicate any major impact of filming on patients' reports of the consultation. Most patients and that they forges about being filmed and that it did not affect the consultation. Most patients and that they forges about being filmed and that it did not affect the consultation. Moreover, the views after the consultation of patients whose consultations had not been recorded. There is evidence, however, that at one practice sensitivity to filming may have been linked to adverse reports about rapport between doctors and patients and about information provided by the doctor. Several explanations for this finding (and its absence at the other practice) are possible. It may depend on the sex of the doctor or on the social class of the patient, which were not similar at the two practices. Or it may be the result of the foller explanation about the filming that was the consultation, but each consultation as the other practice? The patients which were not to explain matters more effectively.

It is perhaps noteworthly that more patients declined to be filmed at the single site practice (10%) than at the other practice (2%). There is general agreement that patients should be informed about filming and given an opportunity to decline. The methods by which this might be achieved bave, however, varied, as have the reported return and Martin when the agreement of patients was sough by the doctor as they entered the consultation room. Many more patients, however, seem to decline when they are given more explanation before filming and asked to sign a common form before meeting the doctor. For example, Pringle et al noted that 10 (11%) out of 91 patients refused under these crumations; and was the experience of the filmed. Similar refusal articles, and were presented to the filmed state of the patients was sought by the doctor as they entered the consultation room. Many more patients, however, seem to decline when they are given more explanation before filming and asked to si

they are to take it. It is therefore important for future research that both procedures for agreement and refusal rates be reported accurately.

The absence of major direct or indirect effects of filming on the reports of patients on the consultation found in this study suggests start from the patient's point offer the consultation to any great start from the patient's point effect the consultation to any great start from the patient's point expenses of filmed consultations in the beam of a fully considered the views of doctors will also need to be taken into account. Dust st at reported that the anxieties of the doctors in their study were largely overcome as they became familiar with the video recording techniques. The acceptability of such methods to doctors generally, however, is still uncertain. The consultation behaviour of doctors who agree to be filmed may be constrained by the need to be seen to be "doing the right thing." Research on these issues seems to be sparse, but it would usefully complement the emphasis so far placed on the views of patients.

I thank the doctors, staff, and pasients of the practices concerned for their time and tolerance, and in particular Dr. Alan Evans for his help; the IBM (UK) Scientific Centre who funded the study; and my colleagues Bit the MRC/ESRC Social and Applied Psychology Unit, Garry Brownbridge, Bob Garber, Dr Miles Fitter, and Dr Toby Wall for many useful discussions.

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Audit Reports

Vitamin B,, treatment in Coventry and Warwickshire

Vitamin B., treatment in Coventry and Warwicks!

We were interested in the findings of Middleton and Wells that of
492 patients in Coventry who were receiving vitamin B., injections,
78% (382) were having them more often than the recommended
three monthly dose of hydroxocobalamin. Members of our group collected data on B., treatment in 138 patients in eight practices with a total of 6982 registered patients. We found a rate of 215 vitamin B., which population who were receiving injections of vitamin B., which population who were receiving injections of vitamin B., which population who were receiving injections of vitamin B., which population who were receiving injections and vitamin B., which population who were receiving the properties of the properties of

both a high serum B., concentration and a low serum foliate concentration. A reticulocyte response to treatment was rately noted, although a Schilling test seems to be a more useful and definitive test. The participating doctors liked to confirm a dietary B., deficiency in vegans—for example, in Atian patients, who, ironically, can no longer obtain oral supplements under the National Health Service.

There is thus considerable scope for rationalising vitamin B., treatment in Coventry and Warwickshire, and we will be doing this in our practices.—J F Wilmot, general practitioner and convener, Warwick University Medical Audit Group, University of Warwick, Coventry CV4 7AL. (Accepted 19 July 1985)

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Walk in surgery for children

We ran a walk in surgery (no appointment necessary) four days a
week (or five months starting in November 1983 for children aged
up to 16 years to see if we should establish such a service
permanently. Four hundred and eighteen children attended 520
consultations: 65 children per surgery; 60% of the children aged ol.
1 years in the practice attended, 41% aged 1-5, and 15% aged 5-16.
Roughly 27% (112) children required no treatment, but health
viations followed up those who had contipation, warrs, poor
stepring patterns, and enuresis. The other 73% (30%) of children
required treatment for respiratory tructifications, outsia media, and
altergic and gastric disorders; 15% were followed up by the health
after the start of t

From the age-sex register the record of the next child to one who had attended the walk in surgery showed that half of these "controls" had hever been to a surgery and half and been to normal surgeries or to the well beby clinic. No child was admitted to hospital during the trial from this practice, hough 169 were admitted from other sources. Parents were pleased with the walk in surgery and saked us to extend the surgery to five days a week. Health visitors dealt with 25% of children, found valuable opportunities for bethit education, and gained confidence in dealing with minor illnesses. The three general practitioners tried to standardise care and changed prescribing patterns. I thank my partners and Professor David Metcalfe for his advice.—I A Syed, general practitioner, J Leach, health visitor, Scott Park Surgery, 187 Manchester Road, Burnley BB11 4HP. (Accepted 10 July)