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How ‘informed’ is informed consent? Findings from a study in South India

Shuba Kumar1, Rani Mohanraj2, Anuradha Rose3, MJ Paul4, George Thomas5

Abstract

A qualitative study using in-depth interviews was carried out among patients and doctors working in a private hospital in Tamil Nadu, to understand perceptions of informed consent. Audio-recorded interviews were transcribed verbatim and a framework analytical approach was used in analysis. Emergent themes ranged from perceptions on informed consent, and discussing health concerns and decision making, to information provided by and expectations from doctors, and suggestions for improvement. Most patients were unfamiliar with the kind of information provided in the informed consent process; a few felt that the information was inadequate. Decision making about surgery was left mostly to the doctor. Poor literacy in patients was seen as a barrier to effective communication by doctors. Developing local language versions of consent forms supported by audiovisual aids is needed for patients to take a proactive role in their treatment process, and for doctors to be receptive to patients’ needs and capacities.

Introduction

Informed consent has increasingly become a major topic of discussion and debate. While the need for client participation in healthcare decision making has been acknowledged, its implementation has been varied and individualistic. Haas (1) says that while some variations in this process are appropriate as circumstances can differ, others result both from confusion about these issues and passive resistance to new demands. Although the informed consent process is followed in most medical settings, evidence of patients’ experiences of the consent process remains limited.

Studies from developing countries show that patients view written consent as ritualistic and bureaucratic. Some feel frightened or pressurised to give consent (2,3). According to Moazam (4), the unquestioned authority of the medical profession and a fatalistic belief among the population about illness and death leave patients open to exploitation. She identifies a lack of awareness of individual rights and redress through the judicial system, which is not easily accessible. Consequently, the risk of exploitation of patients by healthcare professionals is real. Perez-Moreno (5) analyses the quality of information provided prior to anaesthesia and surgery in 300 patients and found that a majority of patients had poor knowledge of surgical and anaesthetic risks. Concerns regarding erosion of patient autonomy and subordination of patients’ interests to the competing interests of the family also exist, particularly in paternalistic societies (6).

The above scenario is similar in India. Typically, the oldest male member in the family makes major decisions. Where women patients are concerned, the complex patriarchal nature of the structure of Indian society in turn dictates the nature of this relationship between the doctor and the female patient, with women often expected to be acquiescent, allowing the senior family member to do the talking (7). Furthermore, patients generally tend to put the onus of care on the doctor. This attitude is typical of most Eastern religions which view the art of healing as ‘work most worthy of men’ (8). Foschen et al (7) report that doctors tend to view patients’ knowledge as ‘not worth taking into consideration’. They further state that as patients are seen as lacking in capacity to fully understand the information provided, trying to communicate to them is often seen as a futile exercise.

Considering the above, researchers in India are beginning to recognise the limitations of standard informed consent forms. For non-literate and semi-literate persons, this document is viewed with suspicion and one to which they are reluctant to affix their signatures or thumb impressions. In other instances, the informed consent process has become a mere formality with subjects/patients simply acquiescing to whatever is required of them. Given the above, informed consent that hinges purely on the principle of autonomy and rational decision making as understood in the West is problematic. With this background, we carried out a qualitative study among patients and healthcare professionals working in a private hospital in the southern state of Tamil Nadu, India, to understand the process of informed consent as it operated there. Specifically, the study sought to ascertain how patients and healthcare professionals perceived informed consent and the constraints to obtaining informed consent, and what their suggestions were on improvements.

Methods

A cross-sectional study using in-depth interviews was carried out in the department of surgery of a large private tertiary level hospital in southern Tamil Nadu. Ethical clearance was obtained from the Institutional Review Board (IRB) of the hospital. Using purposive sampling, consenting Tamil speaking adult patients admitted to undergo surgery and doctors working
in the department of surgery were included. Patients were approached following completion of their surgery. Only those who were physically fit enough to participate in the interview and gave written consent were included. All interviews were carried out in privacy and both patients and doctors were assured of confidentiality. Separate in-depth interview guides for patients and doctors were developed. Efforts were also made to explicitly solicit suggestions on improvement of the consent process. The guide for patients sought to elicit details on patients’ perceptions of the meaning of informed consent, information communicated to patients, and the comfort level of patients in asking questions to the doctor. The guide for doctors included issues such as how they understood informed consent, description of the informed consent process currently underway in the hospital, their satisfaction/dissatisfaction with it, perceptions on the nature and quantum of information to be provided to a patient, and constraints to obtaining informed consent in the hospital setting.

**Analysis**

All interviews were audio recorded, and transcribed verbatim. Those carried out in Tamil were first transcribed verbatim and then translated into English, to allow for analysis using a qualitative software. A framework analytical approach was used for data analysis (9). This process, involving a number of highly interconnected and iterative stages, began with data immersion. This was followed by a series of other stages involving identifying a thematic framework: sifting through the data, identifying meaningful and relevant quotes; placing the quotes under the appropriate thematic category: mapping; and finally interpretation. Each transcript was coded inductively by two independent researchers (SK and RM). After coding 3 interviews, the coders compared the coding schemes each had developed, resolved any differences in coding and developed a common coding framework that was used to code all other interview transcripts. Once all the interviews were coded, segments of text that were related to a common theme were pieced together and in this manner emergent themes were identified. The qualitative analysis was done using NVIVO.

**Results**

**Demographic characteristics**

A total of 14 patients (8 women, 6 men) aged 25 years and above were interviewed. All were from Tamil Nadu and hence all interviews were carried out in Tamil. Three men and one woman had completed graduation, 5 had completed 10-12 years of schooling (secondary school) and 4 had completed 5-6 years of schooling (primary school). All the patients were married barring two women who were unmarried. The surgical procedures that these patients underwent ranged from appendicitis, hydrocele, fibroids, and toe amputation to caesarean section and colostomy. A total of 8 doctors (2 women, 6 men) were interviewed, 2 of whom were heads of their departments aged 50 years or more, while the remaining 6 were junior and senior residents aged between 22 and 30 years.

**Themes of analysis**

The themes that emerged were:

- Perceptions of informed consent
- Information provided by healthcare providers to patients
- Perceptions on discussing health concerns and decision making
- Expectations from the healthcare facility/providers
- Suggestions for improving consent procedures

(see Table: Quotes from interviews)

**Perceptions on informed consent**

For many patients, “informed consent” was an unfamiliar phrase. They did not know what it meant aside from having to sign a form, the contents of which were only vaguely known to them. One young woman patient said that she had never paid any attention to these issues and had left it entirely to her mother. To others, it implied a document by which the hospital could protect itself in the event of any mishap. Others understood that it entailed a process whereby doctors communicated details about the nature of surgery that was to be performed, and advised them of potential risks and benefits. Some educated patients believed that non-literate patients were at a disadvantage as they understood little and the onus was on doctors to help them understand.

Doctors, for the most part, were familiar with the concept of informed consent. Issues concerning ethics and informed consent were taught to them as part of their medical curriculum. Although most were unable to clearly name the three broad principles of ethics (respect for persons, beneficence and justice), they were, able to provide fairly clear explanations of what informed consent entailed. One doctor spoke of the importance of giving patients the right to decide and making the effort to explain to patients in a manner that would help them understand. A few doctors held different positions and felt it was alright for doctors to take the lead and make the decisions considering their expertise and experience in the field.

**Information provided by healthcare providers to patients**

In terms of content, most patients said that doctors had described the specific surgical procedure in fair detail. This happened over several sittings beginning with the first visit which was in the outpatient’s department. Many times, this explanation was done with the help of a sketch to demonstrate what the surgery entailed. According to the patients, doctors also told them about potential risks but generally softened this by saying that “everything would be alright.” In contrast, a few patients said that not much information had been given to them, and what little they had gleaned was by overhearing conversations between medical personnel. One woman who had recently undergone a caesarean section said that neither doctors nor nurses had prepared her for the possibility of caesarean section. Nor had they apprised her, during her
Perceptions on informed consent

“I asked whether I should sign the form or my husband should sign the form and they told me that if I sign the form it is okay. But I don’t know for what reason they got the signature.”

(Female, 43, primary school educated)

“At the time of surgery if something happens, like if they do the surgery on the wrong side, we cannot question them. That is what I have read in the form.”

(Male, 27, college educated)

“Initially I never even thought of it (informed consent). As long as we are not harming people and are doing things to help society, it was not even important for me. But after I started getting involved in research, I began to learn more about it. I became convinced that it is an important aspect.”

(Doctor, male, 50)

“This (ethics) is something instilled in us when we study here.”

(Doctor, male, 24)

Perceptions on discussing health concerns and decision making

“It is like talking back to the doctor. The doctors come and examine discuss among themselves and decide. What is there for me to ask the doctor?”

(Male, 62, college educated)

“For everybody life is very important and people are scared to ask questions to the doctor for fear that the doctor will either not treat them or else not give them the correct treatment.”

(Male, 25, college educated)

“When we see a patient we always see them with a relative, so information goes to both the patient and the relative. Time is always taken to explain to them what is wrong with the patient and what needs to be done.”

(Doctor, male, 27)

“I think it is ok for doctors to decide, after all we are the ones who understand the pros and cons so it is obvious that we should be the ones making the choices. I don’t think it is fair to ask the patient to decide. It is like buying software. If you ask me to go and buy one, I really know nothing about it. Even if you told me that this software has these features etc I would still be clueless at the end of it and will depend on the computer expert to guide me. So I feel somewhat the same. We have been in this field of medicine for (years) and our understanding is also different (from that of a non-medical person). We cannot expect a non-medical person to have that same understanding.”

(Doctor, male, 53)

Information provided by healthcare provider to patients

“On many occasions when we try to explain things or tell them (patients) why we are doing a certain procedure, they say it doesn’t matter and that they don’t really want to know. They say, ‘If you say it has to be done, then I will do it.’”

(Doctor, male, 50)

“I keep the patient informed, if they (relatives) don’t want me to tell the patient, then I will not tell them what the disease is, but I will tell (the patient) everything else. But I do tell the family members that within 48 hours they need to inform the patient and that if they do not do so I will. Before the operation we make sure that the patient knows the diagnosis and the likely outcome.”

(Doctor, male, 55)

“Some patients find it difficult to understand the concepts. For them we draw and show them; I simplify it so they can understand. We have a generic form which is applicable for all kinds of operations but issues like the risks, complications we have to write and fill in the form.”

(Doctor, female, 22)

“I feel in our country the burden on the doctor is much more than in other countries. Here quite often the doctor is forced to decide for the patient. Many patients do not have the knowledge and they will tell us, ‘You tell me what is the right thing to do.’ Most of the time they (patients) don’t even know what procedure they have undergone. They don’t know about complications, they don’t even know the diagnosis. Sometimes it can be extremely difficult.”

(Doctor, female, 30)

Expectations from the healthcare facility/provider

“The doctor did not give any instructions on what I need to do to take care of myself after a caesarean. They need to give me all this information at the outset.”

(Female, 37, secondary school educated)

“The doctor has to spend time with the patient. If the doctor comes just for a few minutes and walks away, you don’t feel like asking him any doubts freely because he will not be in a mood to listen to you and hear what you are saying.”

(Female, 43, primary school educated)

Suggestions for improving consent procedures

“I believe that the doctor knows what is the best thing to be done, but the patient should ask the doctor his doubts. He should ask for all information about his operation.”

(Female, 36, primary school educated)

“Social workers will need to be properly trained as this (medicine) is a highly specialised field and they should be able to communicate clearly to patients ... It may take a long time to train them but then they can be very helpful to us and may help to decrease the workload of doctors.”

(Doctor, female, 30)
spoke of language as a barrier to effective communication. All doctors reiterated that the operating doctor by virtue of his/her primary responsibility to the patient went through the consent process, but obtaining the signature on the consent form was delegated to a junior doctor.

**Patient expectations from the healthcare facility/providers**

One of the most consistent expectations repeated by patients was that doctors needed to spend time and explain their illness/surgery in a manner that they would understand. The importance of describing what sort of post-operative care needed to be taken was also stressed. Others spoke of the value of using flip charts, sketches or other visual aids to help explain surgical procedures in a simple and effective manner but also felt that this needed to be used with caution as it could frighten patients. Most patients saw the doctor as the ideal person for obtaining consent; only two felt that anyone of the medical staff would be acceptable.

**Doctors’ perceptions on improving informed consent processes**

Suggestions given by doctors ranged from developing language versions of consent forms and getting social workers to obtain consent to relieve the burden on doctors, to developing audiovisual aids - either in the form of flip charts or as material downloaded from the internet. Some said that the inability to read on the part of many patients tended to preclude the usefulness of language forms. Having social workers talk to patients and explain details about their illness and surgery was appreciated by most doctors but they underscored the importance of making sure these social workers were well trained, and professional in the manner in which they obtained consent.

**Discussion**

**Culture and informed consent**

The findings from this study revealed that an understanding of informed consent among the study participants could at best be termed moderate, but was for the most part inadequate. Implicit faith combined with a deep and abiding respect for doctors and the fear that asking questions to the doctor would be seen as rude behaviour acted as deterrents to patient participation. These cultural influences cut across different sections of society and being educated did not imply being proactive. Interestingly, this implicit faith in the medical profession (Fig.) is observed in most societies (4, 10, 11). Doctors, for the most part, believed in communicating key issues to patients but often found poor literacy levels and language barriers prevented effective communication. Studies carried out in western countries have also shown that patients’ understanding of their health condition, prognosis, treatment and the risks involved were not complete owing to their cognitive and emotional limitations (11-13). Some doctors in our study believed that they should advise patients...
on what choices to make because of their expertise and experience. While it is true that the consent process is all about providing adequate information to patients so that they can make these choices, those with poor literacy often tend to feel overwhelmed and unable to make these decisions and preferred leaving it to the doctor. A study carried out by Fink et al (14) demonstrated that patients who were elderly, belonged to the African-American or Hispanic races, with less than high school education, experienced difficulty in comprehending the details of their surgical procedure. However, the use of adjuncts like ‘repeat back’ (patients are asked to state in their own words whatever they have understood from what was read out to them through the consent form) improved patient comprehension significantly. Krankl et al (15) too concluded that greater attention needed to be given to patients’ educational background to ensure adequate understanding of clinical information. In this context, Bernat and Peterson (16) have reported on the value of doctors developing a good understanding of exactly what and how to communicate to help patients understand better. These proactive steps by doctors combined with building awareness about these processes among patients could aid in making informed consent ‘truly’ a two-way process rather than the one-sided one that it currently is.

The informed consent form

The perception that the consent form was a defensive tool used to protect doctors/hospitals was reported by patients and their families. This was reported by Akkad et al (17) in a study from England. Further, there was considerable uncertainty among patients about the implications of signing/not signing the consent form. In our study too, the fact that only a few patients spoke of the consent form as a document that was in their interest was disquieting, as it implied poor understanding about the true purpose of the consent process. The clear guidelines about the depth and detail required in the consent form in research are not reflected in the clinical field. Information about the surgery was written down, sometimes briefly, sometimes combined with sketches by the doctor, allowing a considerable amount of variability in terms of
what was actually described. The consent form that was used consisted of a printed form outlining that the patient was aware of the potential risks and had consented to surgery.

The meaningfulness of the written consent form has been debated widely. Studies have shown that many patients do not read the consent form, primarily because of their preference for verbal information (3, 18). Many also find it hard to understand. Most patients in India do not read the form because of poor literacy. But more typically, it could be attributable to the belief that the ‘doctor knows best and will not deliberately harm me.’ However, the use of visual aids like drawings and sketches during consultations prior to surgery were found by patients to be helpful. Research has shown that the use of decision aids and supplementary educational material during the informed consent processes improves patients’ comprehension and is associated with patients’ increased knowledge about their condition, low decisional conflicts and reduced use of elective procedures (19, 20-22). Perhaps, the use of more structured visual aids (flip charts, videos) could help patients understand better, and instil the purpose and value behind getting involved in their recovery process. This could be the way to go forward in the future.

Who should obtain consent?

The question of who should obtain consent received a near unanimous response. Most patients believed that their doctor was the right person to take them through the consent process and most doctors agreed with this view. Although it is true that the consent process usually happens over several sessions, the fact remains that most doctors work in very busy clinics and quite often are not able to spend time with patients. For patients, the need to emotionally connect with doctors, gain their reassurance and have the doctor ‘come down to their level’ and explain the pros and cons in a less hurried atmosphere is critical. Sanyal et al (23) reported that Indian patients are able to comprehend and should be informed about the details of their operation but highlighted that the informed consent process should be a continuous one rather than a single event. Physicians at the Temple University in the US identified several challenges in direct relation to informed consent based on a review of patient-doctor communications (24). Many of these, like lack of clinician time, poor patient literacy, and language and cultural issues, were cited by both the patients and physicians in our study, which in turn suggests the need for the development of consent guidelines that are more in keeping with what patients want.

A limitation of our study was that we did not include a government hospital or even another private hospital as a comparison. The selected hospital by virtue of its strong service-oriented philosophy cannot be considered reflective of the situation that prevails in other hospitals. However, the strength of the study lies in the use of qualitative methods, which allowed patients and doctors to speak freely, thereby lending credibility to the findings.

Conclusion

The doctor-patient interaction has been widely acknowledged as an important factor influencing patient health outcomes (25). Given this, it is imperative that the one-sided doctor-dominated relationship gives way to a more patient-centric approach (26). The study findings highlight the need for patients to take a proactive role in their treatment process, and for doctors to be receptive to patient needs and capacities, and provide information that can be easily understood. Such a participatory relationship where treatment decisions are made in an environment where patients feel free to air their concerns, and where doctors understand and respect these concerns, would be the most appropriate strategy towards obtaining ‘truly’ informed consent. This, combined with the use of more structured visual aids could help patients better understand the medical/surgical procedures they are about to undergo. Perhaps, this would help set the stage for the development of consent guidelines and strategies that are culturally appropriate and reflect patient needs. As rightly argued by Doyal (27), despite the potential limitations that patients may have in understanding clinical information, the onus is on healthcare providers to improve their methods of communication, even to the extent of taking recourse to better educational aids as a means of facilitating the informed consent process and ensuring better understanding by patients.

References

Informed consent among nursing students participating in biomedical research

Anupama Nambiar¹, D J Christopher², Joy Mammen³, Thambu David⁴, Gagandeep Kang⁵, Shirley David⁶

¹Centre for Stem Cell Research, ²Departments of Pulmonary Medicine ³Transfusion Medicine and Immunohaematology, ⁴Medicine, ⁵Gastrointestinal Sciences and ⁶College of Nursing, Christian Medical College, Vellore, Tamil Nadu 632 002 INDIA Corresponding author: Anupama Nambiar e-mail: cscrres@cmcvellore.ac.in.

Abstract
For consent in biomedical research, it is essential that research participants understand the need for research, the study protocol, the risk and benefits of participation, the freedom to participate or decline and the right to leave the study at any time. A structured questionnaire was used to assess understanding and knowledge among nursing trainees participating in a cohort study investigating exposure and latent tuberculosis at a tertiary care hospital. Data were collected for 138 participants. While 97% were aware of their enrolment into a research protocol, only 78% could state that it was a study on tuberculosis. Approximately two-thirds were aware of plans for blood collection, but not all of them knew the timings or number of samples. The majority (59%) participants had consulted others before making the decision to participate, and only 73% felt that their participation was completely voluntary. Even among healthcare trainees, emphasis needs to be placed on testing both the knowledge and understanding of participants to ensure the principle and practice of truly informed consent.

Introduction
Informed consent is an integral part of ensuring respect for participants in research. It is essential that research participants understand the reasons why the research is being conducted, the study protocol, the risks and benefits of participation and that they are free to participate in or leave the study at any time (1). The process of administering informed consent usually requires an initial written communication, which then leads to a dialogue between the patient and the research worker and gives an opportunity for the potential research participant to ask questions and get a better understanding of the treatment or procedure. It is necessary not only that good communication takes place but also that the communication is documented. A well-designed, signed informed consent form provides documentation that the principle and process of ensuring that the decision to participate has been considered and voluntary. However, even if a research participant signs a consent form, it does not necessarily mean that the individual has understood all the key aspects of the study and therefore given full, informed consent (2). Therefore in many settings, particularly clinical trials, quizzes have been developed to assess whether or not the potential participant has understood key aspects of the research protocol (3).

In general, participants taken from a healthcare environment might be expected to have a better understanding of the need for research and for the processes followed to obtain data for answering important study questions. Although there are no direct data that healthcare workers or students understand the need for research, there are data that show that students