ABSTRACT

Introduction: The past decade has been characterised by movement from a doctor-centred to a patient-centred approach to treatment outcomes, in which doctors try to see the illness through their patients’ eyes. Patients, family members and doctors are the three participants in cancer care, but their perspectives about what have been helpful during cancer treatment have never simultaneously and explicitly compared in the same qualitative study. The aim of this study project is to explore patients’ perspectives about the care they receive, as well as families’ and doctors’ perspectives about what have been helpful for the patient. These three points of view will be compared and contrasted in order to analyse the convergences and divergences in these perspectives.

Methods and analysis: This is a national multicentre qualitative study. Participants will be constituted by three different subsamples: (1) patients with cancer (skin, breast, urological and lung cancers), (2) their relatives, and (3) their referring physicians. Recruitment will follow the purposive sampling technique, and the final sample size will be determined by data saturation. Data will be collected through open-ended semistructured interviews and independently analysed with NVivo V.10 software by three researchers according to the principles of Interpretative Phenomenological Analysis.

Ethics and dissemination: The research protocol received approval from the University Paris Descartes review board (IRB number: 20140600001072), and participants will provide written consent. To the best of our knowledge, this is the first study to focus on the simultaneous exploration of the separate points of view of patients, families and doctors about the care received during the cancer care journey. We expect that our findings will help to improve communication and relationships between doctors, patients and families. Comparison of these three points of view will provide information about the convergences and divergences of these perspectives and how to address the needs of all three groups.

INTRODUCTION

Patients’ own perspectives and perceptions of the care they receive during their cancer treatment are considered increasingly important today. Accordingly, the third French Cancer Plan 2014–2018 states that “a quality relationship between patients and their healthcare providers is a condition for both care and communication that meet patients’ expectations” (p.70).

Advances in modern medicine and the development of evidence-based medicine (EBM) have made possible dramatic progress in oncology, in terms of survival, quality of care and availability of treatment. At the same time, the doctor–patient relationship has also changed almost as dramatically. Patients’ preferences, choices and needs have been placed at the core of the decision-making process, because patients’ feelings influence therapeutic choices, patient satisfaction and quality of life during and after the treatment period.

Accordingly, the past decade has been characterised by movement from a doctor-centred approach to treatment outcomes, in which doctors try to see the illness through their patients’ eyes. Patients, family members and doctors are the three participants in cancer care, but their perspectives about what have been helpful during cancer treatment have never simultaneously and explicitly compared in the same qualitative study. The aim of this study project is to explore patients’ perspectives about the care they receive, as well as families’ and doctors’ perspectives about what have been helpful for the patient. These three points of view will be compared and contrasted in order to analyse the convergences and divergences in these perspectives.
centred to a patient-centred approach, in which doctors try to see the illness through their patients’ eyes.7 8 This shift in the patient’s role in care requires medicine to move beyond its traditional biomedical model and paternalistic approach (in which expert doctors based their decisions solely on diagnosis and pathophysiology), to take the patient’s subjectivity into account.4 This patient-oriented approach should be able to capture the dual dimension of every medical act: the care and the cure.7 9

This new context has led to the emergence of patient-reported outcomes (PROs), which can be defined as “any reports coming directly from patients about how they function or feel in relation to a health condition and its therapy.”10 PROs provide patients’ perspectives on treatment benefits and outcomes beyond survival, disease and physiological markers: they are often the outcomes of greatest importance to patients. PROs are elicited by methods such as interviews, self-completed questionnaires, diaries and other data collection tools, preferably specific methods that are rigorous, scientific and validated.10 16

The interest in patients’ subjective perspectives has led researchers to recommend the use of interpretative research methods that can directly explore their point of view.11 Qualitative methods are the gold standard for research seeking to understand in depth complex phenomena from the perspective of the people directly involved.12 In the field of cancer care, qualitative methods have been successfully used to address topics such as barriers in help-seeking,13 doctor–patient communication14 and the needs of families and patients.15

This corpus of studies demonstrates the importance of psychosocial issues in the treatment of cancer; it also shows that families follow clear patterns of social, psychological and spiritual well-being and distress throughout the trajectory of their relative’s illness.15 These patterns mirror the patients’ experiences, but clinicians appear to be unaware of it—despite its quite negative effect on families’ caregiving capacities. Moreover, other studies have shown that oncologists act according to what they think is best for the patient, trying to balance hope and uncertainty, but often resulting in collusion and false optimism.16 On the whole, the literature clearly shows a divergence between the perspectives of doctors, patients and families about cancer treatment—a divergence that leaves patients’ needs substantially unaddressed.

Our project is primarily interested in examining the gap between these perspectives, by comparing the perspectives of patients, families and physicians about their representation of treatment. We have chosen an original approach that can deal directly with an issue only suggested by others—the goal of integrating these perspectives investigating simultaneously patients’, families’ and physicians’ point of views about the same situation (ie, the cancer management of the patient). To the best of our knowledge, no study has yet attempted to achieve this explicit aim, and notable gaps in the literature remain unfilled.

AIMS

The aim of this study project is threefold:
1. To explore patients’ perspective about the care they receive. We will address in particular their perceptions of what helped them during their treatment (in terms of both care and cure), what made them feel better able to handle their situation, and what made their illness harder for them;
2. To explore doctors’ perceptions of what was helpful to patients;
3. To explore families’ point of view about what was helpful during their loved one’s cancer treatment.

These three points of view will be compared and contrasted to look for the features they share and those that differed in the representations of what was helpful during the treatment period and to analyse the convergences and divergences in these perspectives.

RESEARCH TEAM

The QualiPRO research team comprises both experienced qualitative researchers and clinicians working with people with cancer. The main investigators have backgrounds in psychiatry or psychology and substantial experience in conducting qualitative research (ARL, a psychiatrist, heads the qualitative research team within national research unit U669; JS is a special registrar in child psychiatry; ML is a psychiatrist-researcher; MO is a psychologist and PhD candidate). This team has already conducted several studies in various fields of adult and adolescent health (psychiatry, oncology, surgery and anaesthesiology). The relations between the perspectives of patients, family and healthcare providers have become the core topic of this research team, which is especially interested in shared representations of illness and care/treatment among the different stakeholders.

METHODS

Setting

This is a national multicentre study. Four departments are involved (3 in the Paris area: Paris Saint-Louis 1 and 2 and Bobigny–Aixenne; and one in Caen, in northern France; see figure 1 and table 1). All are teaching hospitals.

Participant selection and recruitment

The final sample will be constituted by three different subsamples: (1) patients with cancer, (2) their relatives, and (3) their referring physicians.

We have established a set of inclusion/exclusion criteria for the patients (box 1). Since a purposive sample technique17 will be used to obtain a maximum variation sample with a wide range of different experiences, we chose to concentrate on different kinds of cancer sites and different cancer stages (metastatic and non-metastatic, specifically adult patients with cancer with the following diseases:

- Skin cancer: lymphoma, melanoma.
- Breast cancer.
Kidney and urological cancers.

Lung cancer.

A clinician coordinator has been identified for each participating centre. They will ask patients who meet the inclusion criteria (and their family members and physicians) to participate and seek to recruit both men and women in different age groups.

The size of the sample will be determined by data saturation, defined as the point when no new relevant information that increases our understanding of the phenomenon of interest emerges in the performed analysis. Analysis begins the month after data collection starts.

Data collection

Data will be collected through open-ended semistructured interviews with patients, a relative (spouse, sibling, child or parent) and a doctor directly involved in the patient’s care. These interviews will elicit the representations of each of these groups about the actual care process.

The interviews will be conducted by experienced qualitative researchers, two men (MO and JS) and two women (ML and ARL), whose backgrounds have been described above (see Research team section). A topic guide will be developed on the basis of a preliminary literature review and pilot interviews (with patient, family members and physicians) conducted by three different interviewers, analysed independently and discussed in a team (box 2).

A flexible topic guide—rather than a fixed schedule—was chosen because (1) our aim is to collect in-depth accounts, (2) the researchers all have substantial experience in conducting both open and semistructured interviews, and (3) we want to leave open the possibility of unpredicted issues that might be raised during the interviews.

The setting of these interviews will be the hospital in which the patients are treated. Researchers will meet the patient in a private room, provide all the explanations necessary, and obtain written informed consent. The interviews will last for about 30–60 min and be audiorecorded, and then transcribed verbatim and anonymised. Every nuance of the participants’ narrative will be respected by transcribing pauses, silences and other non-verbal cues in the narratives.

Data analysis

A phenomenological framework will inform the data analysis. Phenomenology is the most suitable methodology for understanding how people subjectively perceive an important experience of their life and how they make sense of it. We have elected to perform a thematic content analysis according to the principles of Interpretative Phenomenological Analysis (IPA), which seeks to reach this understanding by adopting an

<table>
<thead>
<tr>
<th>Study site</th>
<th>Geographical location</th>
<th>Department</th>
<th>Cancer pathologies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paris Saint-Louis 1</td>
<td>Paris—Île de France</td>
<td>Medical Oncology</td>
<td>Breast, lung, urogenital cancer</td>
</tr>
<tr>
<td>Paris Saint-Louis 2</td>
<td>Paris—Île de France</td>
<td>Dermatology</td>
<td>Melanoma, skin lymphoma</td>
</tr>
<tr>
<td>Caen</td>
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<td>Melanoma, skin lymphoma</td>
</tr>
<tr>
<td>Avicenne</td>
<td>Bobigny—Île de France</td>
<td>Radiation therapy</td>
<td>Breast, lung, urogenital cancer</td>
</tr>
</tbody>
</table>
Five subsequent steps will follow:

1. Three of the researchers, independently for all interviews, will begin by reading and rereading the entirety of each interview, to familiarise themselves with the participant’s expressive style and to obtain an overall impression of the interview.
2. We will make initial notes, corresponding to the fundamental units of meaning. These notes will be descriptive and use the participant’s own words; we will pay particular attention to linguistic details, such as the use of metaphors.
3. Conceptual notes will then be drafted, through processes of condensation, comparison and abstracting of the initial notes.
4. Connections with notes will be mapped and synthesized, and emergent themes developed. Each interview will be separately analysed in the same way.
5. Afterwards, the analysed interviews will be compared to enable us to cluster themes into categories and subcategories.

The independent analyses will be compared throughout the process to reach agreement. Every discrepancy will be negotiated within the research team and during regular meetings. NVivo V.10 will be used to manage the data and perform the analysis.

Ensuring validity of the findings and methodological quality

Several procedures will be followed to ensure the validity and rigour of our findings. First, the purposive sample technique we are adopting (the best validated sampling method in qualitative research) aims to select participants for their diversity rather than for their homogeneity. This ensures that stereotypical and common findings are challenged and enables us to describe the phenomenon under study in all its nuances. Second, the criteria of data saturation—rather than setting a fixed sample size—will enable us to stop inclusions only when the phenomenon we are investigating has been fully explored. Third, independent analysis by three researchers and the subsequent triangulation and discussion within the multidisciplinary research team will ensure the validity and inter-subjectivity of the analytic process. Fourth, we will pay careful attention to negative cases during the data analysis to integrate the participants’ convergent but also divergent voices. Lastly, to ensure that our report meets high methodological standards, it will use the 32-item COREQ (consolidated criteria for reporting qualitative research) checklist.

Reflexivity

An important issue that we want to address is reflexivity, which can be defined as the reflection by the researchers of their role in the study and its effects on their findings at every step of the research process. To account for these influences, the researchers will share their preconceptions and make their positions clear during group meetings. We will also consider the emotional impact of the research subject on researchers themselves. For this reason, after each interview, researchers will complete a sheet (composed by 7 open questions, see box 3) about their own feelings and emotions during the interview. These sheets will be analysed and discussed during supervision sessions.

Ethics

Participants will receive complete written information about the scope of the research, the identity and affiliation of the researchers, the possibility of withdrawing from the study at any point, confidentiality and all other information required in accordance with French policies for biomedical research and with the Helsinki Declaration, as revised in 1989. Participants will provide

Box 2 Interview topic guide

Topic 1: Story of the illness
Topic 2: Focus on the care received
  - Pharmacological treatments (chemotherapy, radiotherapy, surgery)
  - Complementary treatments (non-conventional treatments, psychosocial treatment, self-help group)
  - Relationship with doctors/nurses
Topic 3: Coping with the emotional burden

Box 3 Researchers sheet

Q1. Describe your emotions before the interview?
Q2. Describe your emotions during the interview?
Q3. What were you thinking during the interview?
Q4. Did you modify the way of conducting the interview according to what you were feeling? If yes, how?
Q5. Are there any topics that you regret having broached?
Q6. Are there any topic/aspect you did not investigate because of your feelings, even though you were supposed to, and if so, which?
Q7. Did you have any recurrent or embarrassing feelings which make you feel uncomfortable during the interview?
written consent. The research protocol received approval from the University Paris Descartes review board (Conseil d’évaluation éthique pour les recherchers en santé, CERES; IRB number: 2014060001072).

**TIMELINE**

This is a 2-year project. Figure 2 sets forth the planned timeline. After a 2-month coordination phase, study team organisational meetings, and allocation of resources, we will start three pilot interviews to verify the pertinence of our question guide. These interviews and their analysis and discussion will take 1 month. After the pilot phase, we will start data collection, which will take 7 months. Analysis will start almost simultaneously, a month after the interviews begin, and will be completed at month 18 after the beginning of the study. The remaining time will be dedicated to the diffusion of our results (drafting journal articles and conference presentations) and to the preparation of the final report for the funders.

**CONCLUSION**

To the best of our knowledge, this is the first study to focus on the simultaneous exploration of the separate points of view of patients, families and doctors about the care received during the cancer care journey.

We expect that our findings will help to improve communication and relationships between doctors, patients and families. Communication is the starting point for reaching a common representation of care, which is essential in meeting patients’ needs in cancer care, especially within the medical model that emphasises shared decision-making and patient participation in choosing the treatment that best reflects their preferences and priorities.\(^3\)\(^4\)

Comparison of the perspectives of patients, their families and their doctors will provide information about the convergences and divergences of these perspectives and how to address the needs of all three groups; it should therefore help to promote their collaboration.

**Potential strengths and limitations**

This study has been methodologically designed to ensure validity of our findings, as discussed above. Additionally, we will select patients affected by four cancer types (skin, urogenital, lung and breast). Although this study will not address all types or sites of cancer, we believe that our findings will be transferrable to a large proportion of patients with cancer, because they are usually treated with a wide range of therapies (chemotherapy, surgery, hormone therapy and radiation therapy) and have a wide variety of prognoses (from melanoma with its high mortality rate to lymphoma and its low mortality).

Moreover, cancer care is a model of chronic disease and our findings may be transferred to other contexts such as severe diabetes care.

However, we are aware of potential limitations. First, the results of our study can be transferred to other healthcare contexts only with caution, because cancer care depends strongly on medical system policies, as well as the economics of the country. Second, nurses’ perspectives are lacking in this study. We made the choice to concentrate only on doctors for feasibility reasons, although we are aware that nurses are often the healthcare professionals with the most patient contact. Other studies will be conducted to address this point.

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**Collaborators** QualIPRO study group contributors: ARL, principal investigator; MO, JS, ML, GB and LV, co-investigators.

**Contributors** MO, JS, ML, GB, LV and AR-L elaborated the study protocol. MO wrote the initial manuscript. MO, JS, ML, GB, LV and AR-L reviewed the initial version of the manuscript and approved the final version.

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