Parents' Experience of Caring Children with Cancer: A Qualitative Study with Phenomenological Approach

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Abstract

Background: Diagnosticians of cancer in children can influence their parents’ life due to the fact that the disease may threaten the patient’s life. It can also put a great burden of care on their parents.

Objectives: In this study, we tried to clear the feelings of parents who experience the phenomenon of caring a child with cancer.

Methods: The present study has been conducted as a qualitative research with phenomenological approach. Participants were selected with purposeful sampling among 13 parents with an average age of 33.2 and we continued sampling until data saturation. Information was collected by in-depth interviews. The process of interviews was valid and acceptable. Finally, data were categorized as content frameworks (themes) and analyzed with the Colizzi method.

Results: The extracted content is consisted of eight main subheadings that include the parents anxiety of the death of their children, parents inability to respond to the questions of their children, parents inability to have an appropriate behavior while confronting the children angry, parents suffering of treatment side effects in their children, the pressure of economic, social, and psychological burden on family, lack of time, experienced the impact of spiritual support, and influence on the relationship between parents and 18 subthemes.

Conclusions: Taking care of a child with cancer may have an influence on the parents’ life in different aspects and on their quality of life. Regarding the severity of this experiment on the life of parents and due to the sensitivity of this issue, it seems necessary that the results of this study be considered by the country’s health policy makers.

Keywords: Qualitative Studies, Pediatrics, Cancer

1. Background

In Iran, cancer is known as the third cause of death in adults. According to reports, the incidence of cancer in children has increased in recent years (1). According to a literature review conducted in 2010 on research articles in Iran, the incidence rate of childhood cancer was up to 112 and up to 144 per million among girls and boys (2). Of course, since without developing a pathological sample, many oncologists detect cancer in children, there are not many cases of childhood cancers, and there is little reporting on the statistics on the incidence of childhood cancer (3).

The survival rate of cancer has increased dramatically over the past three decades. Nearly two-thirds of cancerous children survive (4), however, it continues to threaten the lives of these children. Nonetheless, death rates in children have decreased, however, the number of children with cancer has increased. The onset of cancer is sudden and unexpected and its treatment may take several years. All of these factors can affect the affected child’s family as if their lives were undergoing fundamental changes (5). Caring for the child is a natural attribute of the parent, however, when the child gets diagnosed with the disease that threatens his or her life, the parental care role in providing care becomes wider. Generally, parents of children with cancer experience more crisis than other parents. Due to the effective role of parents in child care, the lack of attention to the biological, psychological, and social problems
of caring parents can endanger family health and even child health. While by recognizing parental problems, reducing stress and improving parent’s ability in their functional and mental crisis management, the health and performance of the family can be improved (6, 7).

Among the research carried out by Iranian researchers, we are confronted with a limited number of studies that have explained the qualitative approach to the quality of life of parents caring for children with cancer, however, in the context of the experiences that these parents have in caring for a child with cancer, no study has been done in Iran. The importance of qualitative research is among the experiences that, based on perception and experience, lead to the discovery of concepts that are not usually obtained in the form of quantitative tools.

2. Objectives

Therefore, in this study, with our phenomenological approach, we go to the parents ‘parental life of these children to understand the parents’ experience in caring for a child with cancer and thereby help the health team and health decision-makers to understand their biological and mental status.

3. Methods

This is a qualitative study that is conducted in January 2017 with a phenomenology approach, which is a suitable method for providing evidence, a clear and summarized description of the phenomenon is considered as a proper technique (8). The paradigm for this study has been a post-positivist approach.

3.1. Method of Selecting the Study Participants

In order to achieve the goal of studying, the selection of participants in the study will begin with a purposeful sampling and will continue until data saturation. Using the gradual sampling method from available samples on weekdays the researcher referred to the target center (Imam Khomeini Hospital’s Cancer Department, the Chemotherapy Ward) in Iran and then, after selecting an eligible sample by expressing the purpose and obtaining written consent, interviewed with the parents who have had an experience of having a child cancer. We ensured the study participants that we would keep the interviews confidential. In case the parent was not satisfied to answer the questions, we didn’t force them to reply, they were free to end the interview session whenever they wanted. The inclusion criteria in the study included: (1) A family of a cancer child under the age of 15 years; (2) in the family, there should be only one child with cancer and the other family members should not have cancer; (3) the sick child should not have a known chronic disease other than cancer (based on taking a history of the parents and a medical record of the patient). To take into account the variation, interviews with parents, who have been diagnosed with their children, were performed at different stages of the disease.

3.2. Data Collection

To collect data, in-depth interviewing was used in this study. The method of doing the work was an individual interview that was conducted in a private and guided manner by the researcher in an in-depth manner. The interview time was adjusted in coordination with the participants, and usually, the duration of each interview was 40 minutes to one hour and recorded and transcribed with the consent of the participant. If necessary, the continuation of the interview would be postponed. The second turn of the interview was arranged in order to complete the information gathered from each participant and clarify the vague points of the previous statements. Furthermore, information on age, gender, ethnicity, and so on were recorded, which were only used to better describe participants. After the first interview and handwriting of the information, the material was considered in terms of being incomplete or obscure. A quiet room in the hospital was devoted to the interview. The questions raised in the interview were:

- What you feel about your current life compared with before?
- What problems have you encountered when your child was diagnosed with cancer?
- What do you think is good for your own situation and your family?
- What is your experience about the care team?
- What is important in your everyday life?
- Has your attitude about yourself, others, and the world affected this experience? If yes, how?

Then, the interview continued also by relying on the questions that emerged in an interaction between the interviewer and interviewee and to achieve deeper information regarding the exploratory questions, such as “explain more”, or “say more precisely what you said”, were used.

3.3. Data Collection Tool

In phenomenology, the main method of collecting data is a deep interview and the researcher can also complete the information box by viewing the field attendees, as well.
3.4. How to Analyze Data

After each interview, the tape was extracted, and to reassure, the tape of data was extracted again, and then, it was adapted to their original text. We used the Colaizzi method to analyze the data. At this stage, the raw content of the data was categorized, coded, and their “main themes” were extracted. Meaning units were specified and condensed with a description similar to the text. Then, a list of codes is prepared, and by meaning revising, determining the differences and similarities in the meaning of the same codes in a reduction and induction form, was inserted in a more abstract level. Thus, we obtained the acceptable subclasses and classes (9).

3.5. To Ensure the Study’s Trustworthiness

To confirm the study validation, several criteria were considered; including study credibility, dependability, and confirmability. We spent enough time doing this study and the method of the study was checked by two epidemiologists. In all procedures of the study, details were noted and recorded to ensure the confirmability of findings. In addition, two study members codified the interviews separately to ensure that they had a similar opinion, and to ensure the validity of the study, the member checking method was used so that browsing manuscript was done by the participants to confirm the extracted content. Finally, we used the peer debriefing method and used two experts’ idea regarding the findings of our study.

4. Results

In total, 13 parents taking care of a child with cancer participated in the interview, on average, two years after the diagnosis of cancer in their children. Parents participating in the study were 27 to 43 years with a mean age of 33.2 years, all of whom were married except one. The results of the interviews extracted were carefully reviewed and the responses were categorized in the form of concepts in order to identify the experiences of parents in caring for a child with cancer. The extracted themes include eight main themes: parent’s concern about their child’s death, the inability of parents to answer their children’s questions, the inability of parents to deal adequately with child aggression, the discomfort and suffering of parents from the complications of treatment, the burden of economic, social, and psychological difficulties with family, lack of time, parents’ experienced the impact of spiritual support on their feeling: as well as an influence on the relationship between parents. Eighteen subthemes were extracted that are showed in Box 1.

4.1. Parental Concern About Their Child’s Death

Many parents expressed a great deal of frustration with their child’s recovery, and some thought the disease was led to death and expressed a great deal of concern. Parent code 1 said, “At first I did not believe at all that my child had been diagnosed with cancer, but since he became worse, I constantly think about losing him, and I cannot sleep from this thought and concern at night... I have repeatedly asked God to give me death instead of him”.

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4.2. The Inability of Parents to Answer Their Children’s Questions

The parents spoke on questions that their sick children asked about illness and death. The answer to some of these philosophical questions has been difficult for parents, such as “do I go to paradise after death?”, “If I die, can I still see you (my mother and father)?”, “If I promise to be a good boy, I will not die anymore?” (mother of a 7-year-old child), “Has God put on sickness and pain to punish my mistakes?” (mother of a 10-year-old child).

4.3. Parents’ Inability to Deal Adequately with Child Aggression

Most of the interviewed parents were agonizing in regards to their child due to a sickly illness, and even one parent acknowledged that the pain and presence in the hospital caused her child to scream constantly and fight with her associates (mother of a 6-year-old child). Another mother said that her child was resisting and aggressive in eating the drug, and another parent said, “my son is afraid of the white nurses’ clothes, and when they see them next to his bed, he gets nervous”.

4.4. Parents’ Inconvenience and Suffering from the Complications of the Treatment

“My daughter is worried about her hair loss”, “after every chemotherapy, my child becomes ill for up to a week... nauseous and vomiting so much that I’m tormented”. “At the previous chemotherapies, my child got so bad that now when she sees that she must undergo chemotherapy once again she fights with me, we had to force her to be prepared for treatment because she is anxious”. “My daughter is ashamed of her hair loss, and she is not attended among the population and playing with other kids, she worries that the rest will laugh at her... so she hides from the people”.

4.5. The Economic, Social, and Psychological Problems’ Burden on the Family

Caring for a child with cancer imposes a lot of costs to their families. The cost of the provision of medicine, diet, hospitalization, and transport put economic pressure on the family. In addition, indirect costs, such as reduced working hours, resulting in reduced earnings, loss of livelihood, and loss of job opportunities are imposed on parents and family. One of the mothers said, “before my child became sick, I was employed, but I cannot go to work because of her care and treatment”. One of the fathers also said: “I am self-employed and I cannot spend enough time working because of my business and so my income has fallen... but family spending has risen for hospitals and medications... in general, income, and expenses are not well-matched”.

One of the participants said, “since my child has been ill, my mood has been changed... I’ve been ill-tempered... I get nervous quickly and scream.... I’m very sensitive to my associates’ behaviors. I get my heart out even trivial behaviors... I feel I’m so less severe”.

4.6. Lack of Time

Due to the hospitalization of the child in the hospital as well as the care of the sick child at home, most mothers have been forced to change their lifestyle. They need to spend a lot of time and energy in caring for the sick child and have less time for themselves. For example, one of the parents said: “I am always involved with the hospital and keeping the patient... If my mother did not support us, my other children could not go to school and stay. My mother filled the void left by my absence for them”. “Since I was involved with my childhood illness, I really do not have the time to play the role of a housewife... I used to be an obsessive person, but now my home and my life are in a different situation and I cannot even take care myself”.

Previously, we always went to parties and spent time with relatives and acquaintances, but now, we have no time at all for our leisure... even when we do not have time for a break. “Unlike in the past, I cannot handle myself, my husband, and my life. It’s really hard for me”.

4.7. Parents’ Experienced the Impact of Spiritual Support on Their Feeling

By different statements, the majority of parents referred to their experience of prayer and trust in God increased their tolerance against the problem. For example, the mother of a 6-year-old child said: “Whatever God wants is the same... I’ve trusted god and I keep mentioning him... All my friends and relatives also pray for my child’s health... I hope that the blessing of these prayers will cause my child to be healed”.

One of the fathers said: “Since my son’s disease has been diagnosed, I have not missed my treatment... I have seen the best doctors and I’ve done everything I could, but he will not be cured until God’s will”.

One of the mothers said: “I do not have the patience to see my child’s pain and suffering... whenever I’m despaired and restless, I calm down myself by prayer, because God has said in the Qur’an, with the remembrance of God, the hearts become calm... I believe that the only one who can save my child from illness is God. So, always at the height of despair, I ask for help from him, and sometimes I vow”.

Parents also referred to experience of spiritual and emotional support from their spouse, other children,
and first-class families. Most mothers said that receiving emotional support from relatives had been soothing and hearty for them. The experience of receiving promising sentences, family members’ sympathy, being perceivable by relatives was one of the things that had a good effect on parents. For example, one of the mothers said: “Sometimes I cry out and I’m so depressed that I confined myself in my room and I do not like to be in touch with anyone... If my wife and my parents did not give me comfort, I do not know how I adapted myself to these conditions. “Another mother said: “My wife stands standing like a mountain behind me and my child and does not hesitate to do anything... If we didn’t have her encouragement, I would not survive alone under the pressure of my child disease”.

4.8. Effects or Outcomes of Child Disease on Relationships Between Parents

Parental relationships change in the face of a child’s illness. In some families, the disease has been shown to increase the correlation of couples and, in some cases, problems have arisen between them. One of the mothers said, “my husband is more patient than me and always tries to hope that our child will be good... but I’m nervous and aggressive when I see my child suffering and sometimes I’m very sad to fight with him...” He always calls me calmly, but once told me that it was tired of seeing this situation, and if I continue to do this, it gets discouraged from me”. “One of the mothers said: “Since we found out that our child has cancer, the relationship between me and my wife has changed... although we are often tired and marital relationships are dimmed, the emotional relationship between us is strengthened and our relationship is in a new direction.... In my opinion, in such problems, it becomes clear how much the husband and wives are behind each other”.

One of the initial reactions to the diagnosis of cancer in children was that parents had been looking for a cause for the disease in their child. One of the mothers said: “My husband always smoked at home and blamed him for the first time and fought with him”.

5. Discussion

The present study aimed to investigate the experiences of parents of children with cancer regarding the pressure of caring a diseased child on the family body. In this study, there were themes about the experiences of the parents of cancer children.

5.1. Parental Concern About the Death of Children

One of the most important themes extracted is the issue of parents’ concern about the death of their child. An
create the necessary capabilities to identify the source of their child’s aggressive behavior and manage it.

5.4. Discomfort and Suffering Due to Treatment Complications

Children suffered from complications such as hair loss, nausea, vomiting, and loss of appetite due to treatment, such as chemotherapy. These complications had a negative effect on the mood of children and their parents.

Several studies have shown that chemotherapy is the worst patient experience during the treatment period (16). These studies have shown that chemotherapy, as an aggressive and severe treatment causes unwanted problems such as a decrease in quality of life and disturbances in the functioning of parents and children. Problems with pain, hair loss, fatigue, dyspnea, and anorexia are the most problematic experiences during the treatment period from the parents’ point of view (15, 17-23). Therefore, appropriate interventions are needed to reduce the complications of treatment.

5.5. The Burden of Economic, Social, Psychological Problems on the Family

In this study, there were problems with the economic problems caused by the disease such as medical expenses, job losses, and unemployment due to full-time care of the patient’s child, emotional and psychological stress, and depression of the parents due to attending a hospital, in which their child was admitted, was one of the problems expressed by parents. In a study by Jadidi et al., the parents of children with leukemia, among from their experiences and problems, pointed to economic, social, and family problems.

In many other studies, the socioeconomic burden of cancer and higher and heavier costs of treatment have been noted. Some parents have pointed to the loss of job opportunities, reduced income, and their loss of savings. The longtime hospitalization of children leads to a lot of psychological problems in the patient and his family, which has been repeatedly reported by the parents of the children in various studies (24-26).

5.6. Lack of Time

The results of this study showed that many parents were faced with a lack of time to look after themselves or their children and social activities due to full-time care. This is well seen in other studies. Therefore, numerous studies in Canada, China (Hong Kong), Brazil, and Iran have shown that parents are well in attendance with their sick child in order to take care of him or her and have more peace of mind and full participation in their child’s treatment arm (13, 27-29).

Parents’ experienced the impact of spiritual support on their feeling: This study shows that parents who are caregivers stated that they experienced a better feeling with prayer and spiritual support, and they felt less disappointed.

Various studies have shown that faith in God leads to better adaptation to illness and decreases frustration (30, 31). In various studies, the remembrance of God has been raised as a way to reduce fear and anxiety (17). Similarly, in a study, Doumit and Khoury explores the facilitating factors that parents of cancer patients experience in order to deal with their child’s cancer. He showed that strong religious beliefs are among the most influential factors (26).

5.7. Effects or Outcomes of Child Disease on Relationships Between Parents

In this study, the burden of taking care of a child with illness has shown different effects in families. In some cases, the incidence of childhood cancer has led to an inconsistency between the parents. While in other families, empathy between parents has increased due to the maintenance of a sick child, we can also point out the limitation of marital relationships, due to the thought of parents involved in the care and treatment of their children. Several other studies have shown positive and negative effects of caring for a cancerous child for families, relationships between family members and spouses (29, 32, 33). In this period, the attention of parents focuses on various emotional, physical, and psychological aspects of their sick child. They are sympathetic to overcoming their child’s disease, however, they are separated as a couple, their role seems to have changed completely, and they are experiencing a new life (33-35). Studies have shown that the high level of stress, anxiety, and constant concern about childhood disease on the one hand and the geographical, emotional, and physical deprivation of the parents, on the other hand, reduces the intimacy and marital satisfaction, and increases physical and mental tiredness as well as decreases the quality of life (35-37).

Evidence obtained from the findings of this study show the detail of the experiences of parents who care for a child with cancer. Findings can help policymakers at the macro level to plan for suitable interventions. It should be noted, however, that phenomenological studies, despite the fact that they have a certain essence, that the generalizability of the findings is limited.

5.8. Conclusions

Given the severity of the impact of this experience on the lives of patients’ families and the sensitivity of the subject, we recommend measures such as the entire covering
of this category of children by insurance, taking measures for more leave or reducing the working hours of parents of cancer patients, the presence of a psychologist in the hospital to counsel parents with regard to the emotional relationships among family members, as well as training in dealing with the child or how to respond appropriately to their child. Therefore, it is necessary that the results of this study be considered in the field of health policy.

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