Abstract

Background: Cancer in children causes many challenges for the family. When a refugee family experiences it, its impacts may be different and more specific considerations for care may be needed.

Aims: This study aimed to explore the experiences of Afghan mothers living in the Islamic Republic of Iran who had a child with cancer.

Methods: This was a qualitative study, conducted in 2017, of Afghan refugee women with children diagnosed with cancer and referred to a cancer referral hospital in Tehran; they were selected through purposive sampling. Face-to-face, semi-structured and in-depth interviews were conducted for data collection until data saturation was reached. Conventional content analysis was done. MAXQDA 10 was used for organizing the data.

Results: Nine Afghan mothers were interviewed. They were aged 24–44 years and the children were aged 2–9 years. A primary theme called “passive acceptor” was found with five subthemes: chronic suffering, health issues, lack of skills, maladaptive coping and enthusiasm.
The mothers were struggling to cope with the challenges of caring for a child with cancer both financially, physically and emotionally.

**Conclusion**: In spite of many issues in common with similar groups in other countries, Afghan mothers appear to need to greater assistance when it comes to seeking help and understanding for the care for their child with cancer, possibly because of cultural barriers to self-empowerment. Tailored care plans are recommended for Afghan refugee mothers in the Islamic Republic of Iran.

Keywords: Refugees, cancer, children, mothers, qualitative research, Iran

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**Introduction**

Although the number of children with cancer is growing, the outcomes of the disease have improved as a result of new treatment methods (1,2). However, financial problems, uncertainty, inability to define the illness and its outcomes, and other psychological problems in the family of a child with cancer have been frequently reported as major challenges (3–6). Mothers use different ways to adapt to these challenges, which are affected by internal and external factors (7).
The increasing numbers of immigrant refugees is a global problem that affects many countries, including the Islamic Republic of Iran, where most Afghan refugees migrate. About two million legal Afghan immigrants live in the country (8). Political and economic problems are the most common causes of the immigration of Afghans to the Islamic Republic of Iran over the past 37 years. As well as the immigration-related challenges, such as illiteracy and poverty (especially for illegal immigrants) (9), chronic diseases in children put Afghan refugees under a much greater level of stress (8). The quality of life in such a family, especially for the mother, is reported to be below average (10). No research has been conducted in the Islamic Republic of Iran on the challenges Afghan immigrant families face when caring for a child with cancer.

Given the large number of immigrants in the country and the moral obligation of receiving countries to provide them with health services, information on the effects on Afghan refugee mothers in the Islamic Republic of Iran of caring for a child with cancer would be useful. Data from such a study would make it possible to plan more comprehensive family-centred care for such families. In addition, it would provide the opportunity to help improve the quality of life of these mothers and, consequently, that of the child with cancer. The purpose of this study therefore was to assess the experience of Afghan mothers while caring for a child with cancer.

Methods
Study design and sample

This was a qualitative descriptive study conducted from April to July 2017 to explore the experience of Afghan mothers who had to care for a child with cancer. Conventional content analysis was done (11). The study setting was a paediatric teaching hospital in Tehran. The participants were purposively selected if they met the following criteria: had a child with a definite diagnosis of cancer (not in the end stage or in intensive care), lived with the spouse, spoke Farsi and had no history of mental illness (self-reported). Participants were met by the research team during their visit to the outpatient department of the hospital or during their child’s hospitalization. Since two of the researchers in this study regularly attended the hospital as nursing instructors and knew most of the patients and their families, a good relationship had already been formed between them and the participants.

Data collection and analysis

Data were collected through semi-structured in-depth interviews. Interviews were recorded and transcribed, and then listened to again to ensure the accuracy of the transcriptions. MAXQDA software, version 10.0 was used to manage the textual data. To analyse the data, a constant comparative method (12) was used which included the following steps based on descriptive content analysis (11). Each interview text was read several times; meaning units (a unit of analysis) were identified from which important points in the texts were extracted in order to consider the implicit and explicit contents of the meaning units (open coding). These codes were then classified under broader titles based on their similarities and differences (grouping and
In order to evaluate the soundness of our qualitative research, three criteria were used after the analysis – credibility, dependability and transferability (13,14). Credibility of the data could be achieved through the researchers’ familiarity with the participants over a long period of time. Credibility was boosted by member checking and peer debriefing. An audit trail, themes, subthemes and descriptions were used in order to record the participants’ experiences, which helped boost dependability. To ensure transferability, the study documents were kept safe and efforts were made to explain the study methodology as extensively as possible in order to ensure the application of this research method to other settings (13,14).

**Ethical considerations**

The mothers were informed about the aims of the study and their informed consent obtained. Participants had the right to leave the study at any stage. The ethics committee of Shahid Beheshti University of Medical Sciences approved the study.

**Results**

Interviews were conducted with nine mothers aged 24–44 years. Their children were aged 2–9 years. One of the mothers had immigrated to the Islamic Republic of Iran the previous year for treatment; the rest had been living in the country for more than 12 years and their children had been born there. Except for one mother, their spouses were labourers or vendors, who were either illiterate or had elementary education. The types of cancer identified were rhabdomyosarcoma, leukaemia and Wilms tumour.

Results were categorized under one main theme “passive acceptor”, and five secondary themes: chronic suffering; maladaptive coping; health issues; lack of skills and enthusiasm (Table 1).

The participants who appeared as passive acceptors were those who had tried to fight the situation caused by their child’s cancer, which had added many problems to their lives. However, they did not have adequate or appropriate coping mechanisms, or social and financial resources to help them through this journey. They found themselves trying to manage the situation and were happy to be in a better environment compared with their former one where they faced war and social injustice. However, their knowledge and actions were inadequate to
lead to positive health outcomes for themselves and their children.

**Chronic suffering**

The memories of the war in Afghanistan have caused a pattern of chronic suffering in the Afghan women. A 37-year-old mother of a child with a Wilms tumour stated, “I remember the war and the planes that dropped bombs. I was playing with my friend, but we had to run away. I did not have slippers on my feet. We got to our mothers’ tent. We saw that some people were killed. Fear is still in our hearts.”

It would appear that even though these women came to the Islamic Republic of Iran at an early age, they have remained traumatized by their experiences. All the participants had bitter memories of war, death, fear, danger and displacement, as well as poverty, unemployment and loneliness in their adoptive country. The women were struggling with multiple social and financial issues long before the diagnosis of their child’s cancer. Their child’s illness raised many problems not dissimilar to those experienced by mothers of children with cancer in other countries. However, uncertainty, chronic sorrow and feelings of guilt about the sick child, as well as the financial burden, had exhausted these mothers. One mother stated, “Although I know it is not heaven here either, you are still afraid you may lose something again.”

**Health issues**

Most of the participants, similar to their peers in the Islamic Republic of Iran, suffered from poor health even before the diagnosis of cancer in their child. This situation is the result of being refugees and the changes in their lifestyle due to immigration. However, the new challenge of their child’s cancer had made their health worse in all dimensions. According to one mother, “I cannot sleep. I am stressed out. I say to myself, ‘God, what is going to happen? Are they admitting my child to hospital again?’ When I go to the hospital, I do not care about myself. I do not eat anything.”

Headaches, depression and anxiety were some of the most frequent complaints of the mothers. Poverty, their spouse’s unemployment, lack of access to health care and insurance problems were some of the obstacles mentioned that prevented them from seeking professional help. One mother said, “When I am here I hear from other mothers that we ourselves also need medication to keep our strength up.”

**Lack of skills**

Most of the participants had found themselves in a situation where they were afraid of making
mistakes and being unable to take care of their child. Illiteracy, inaccessibility to social network support, and lack of general knowledge and skills in various areas put them in a desperate state. The mother of a child with leukaemia stated, “If I take him home and I find he has a fever, can he stay at home? Or must he go to the hospital?” Most of the mothers were facing problems common to all families with a child with cancer, but they did not actively try to seek outside help, and they had insufficient resources to help them cope. Statements such as “Everyone knows that cancer is a disaster” were frequently heard from the mothers who did not have any hope of their child recovering or faith in a happy future.

**Maladaptive coping**

Mothers were reluctant to actively engage in the child’s treatment because of their lack of skills and knowledge as well as the many challenges they were facing. Therefore, they had passively surrendered to the reality of the disease. They would rather turn to spiritual support as an emotional coping mechanism and avoid problem-oriented coping strategies such as seeking out information or social support. The mothers considered religion as their only refuge and tried to improve the health of their child through prayer. They also believed that sins in their own lives had resulted in divine punishment in the form of their child’s illness: “I thought that it is because of my sins. I thought it might have been the result of my own fault. Because of sinning, God did this to me.” According to the mothers, they did not try to obtain information about the child’s illness, although searching for information is considered a strategy to deal with stress. The mothers reported only a few adaptive coping methods used in their lives after the diagnosis of their child’s disease. Most of the mothers showed signs of chronic depression and maladaptive coping methods, such as constant crying or feelings of isolation.

**Enthusiasm**

The mothers expressed satisfaction and confidence in the Iranian health system in their various statements. A 28-year-old mother said, “Iran is very good. 80% of the costs are paid by benefactors. In Afghanistan, patients have to cover all the expenses themselves. There is no such a thing as charity there.” The mothers also expressed their satisfaction with the services and the lack of discrimination between them and Iranian patients. One of them pointed out that, “Wherever you go in Iran, they call my child by his name. I like this. It seems that for them, we are the same as others.”

**Discussion**

We assessed the perception of Afghan immigrant mothers in the Islamic Republic of Iran of their experience of having a child with cancer. Although the results were similar to the findings of other studies conducted on the topic, especially in Middle Eastern countries (5,15,16), there were some differences and thus further research is needed in this regard to understand the reasons for these differences.
The analysis of the data led to the emergence of the main category: passive acceptor. Although submission to God’s will is considered a category in many studies on mothers with children with cancer (5,15,16), our finding of the acceptance of the child’s cancer without trying to actively deal with it is new. Afghan women, according to their cultural and educational background, believe that illnesses and other tragic events come from God and that people have no choice but to accept it. In contrast, Lebanese parents described their experience of having a child with cancer as a battle (17), while in a study on Iranian mothers, the challenge of their child’s cancer had forced them develop their capabilities and take an active role in the management of the disease (5). This may support the hypothesis that dealing with the cancer of a child is affected by many cultural factors.

For the secondary theme “chronic suffering”, the memories of war and migration were still fixed in the minds of the mother who experienced it. This mentality has adverse effects that have been mentioned in other studies and manifest as psychological disorders (18–21). A far higher prevalence of psychological disorders such as post-traumatic stress disorder has been reported in Afghan refugees in the Islamic Republic of Iran compared with the Iranian population as a whole (22). These memories, which are a constant reminder of the insecurity of life during wartime, have created a permanent sense of suffering for the mothers. Studies conducted on refugee parents have found that they face many difficulties providing shelter and care for their children, a situation which may be made worse by the child’s illness (23–25).

In addition, the unfavourable living conditions were a challenge these mothers had to face (18), as well as failure to address their own health issues – a common problem among Afghan refugees, especially among immigrant mothers. Studies show that the number of psychological problems is higher in mothers of immigrant families (26), yet immigrant mothers often refuse to admit their health problems because of a sense of shame (17), which is supported by the results of our study. The mothers also mentioned livelihood challenges as one of their main problems. This is also often reported by people regardless of asylum and immigration status, and was also noted in Syrian immigrant women with a child with cancer (27).

Although in another study, mothers emphasized shock, disbelief and crisis in their lives after receiving the diagnosis of their child’s cancer, they all demonstrated different adaptive measures in order to deal with the change in their lives (5). What is striking in our study was the lack of any maternal desire for problem-solving and the recourse to religion as an emotional solution. Mothers showed no inclination to develop new skills, which is a common approach by mothers to manage a crisis in the family. New skills, such as problem-solving and resiliency, would help them to adapt and manage the consequences of the disease for the child and family more effectively. Getting help from peer groups and seeking social support by communicating
with family members, relatives and friends are considered to be a coping strategy that is highly recommended (28,29). Afghan mothers in our study, in spite of the presence of other mothers in similar circumstances, actively tried to isolate themselves and instead turned to prayer as a coping mechanism; this is widespread according to other studies (5,30–32).

The family is considered to be the caretaker and the care provider (33). Mothers suffer because of the burden of care of their child with cancer and this has a negative effect on their health as well as the well-being of their child (34). At the same time, the mother has an important role in improving her child’s quality of life (35). In fact, supporting and helping mothers means extending care to the child and offers better chances of recovery. In our study, mothers caring for children with cancer had completely neglected their own health in their devotion to taking care of their children. In addition, mothers were trying to shield their husbands from the realities of the situation in order to avoid tensions because they were worried that their husbands would not be able to cope and might turn to drugs. This finding is similar those in other studies (4,5). For each mother, protecting the husband meant avoiding the occurrence of another crisis, which is rooted in the popular cultural belief of the community: as mentioned by one woman, “Men turn to addiction to get away from household problems, otherwise they might have a stroke”. Thus, the strain on mothers is relentless, not only keeping the husband away from issues of the child’s cancer but also bearing the burden of care giving.

The lack of skills was another subtheme of the study indicating the inactive role of Afghan mothers in managing their child’s cancer at home, looking after their own health or that of others. This could have a cultural basis due to the fact that Afghan women in the Islamic Republic of Iran do not engage in activities that empower their role in the family and society. Traditionally, most Afghan men do not allow their wives to have a job or participate in social activities (36).

One of the findings of our study, which does not concur with findings elsewhere, was the lack of discrimination in health services by medical personnel in the Islamic Republic of Iran. Afghan women have a low level of education and have been the victims of religious extremism, isolation and discrimination (8). A number of studies in the Islamic Republic of Iran, reported that Afghan women had a sense of discrimination at health centres when receiving childbirth services (7). The reason for the difference in our finding may be a difference in communication style between the staff and the mother when it is a question of a child’s sickness rather than childbirth. Centres such as Mahak paediatric hospital offer their services to all children with cancer without discrimination. However, lack of complaint by Afghan refugee mothers about medical services differs from studies on the Iranian population (4,37,38), who were likely to complain more.

Conclusion
Cultural discrimination causes inequalities, misconceptions and promotion of stereotypes in the provision of care and the treatment of patients. Avoidance of discrimination is essential for equitable treatment of Afghan mothers, who appear to need to greater assistance when it comes to seeking help and understanding for the care for their child with cancer, possibly because of cultural barriers to self-empowerment. Therefore, tailored care plans are required for Afghan refugee mothers in the Islamic Republic of Iran.

Given that the challenges associated with the health of immigrants and refugees are everyday issues in the Middle East and North Africa, a collaborative effort could be considered to train care providers in care provision for refuges, and an understanding of their disease-coping strategies and culturally based perceptions of their physical and mental health. Such training could help to promote the health of refugee mothers who have a child with cancer.

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**Competing interests:** None declared.

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**Point de vue des mères afghanes réfugiées sur l’expérience de prise en charge d’un enfant atteint d’un cancer : une analyse qualitative**

**Résumé**

**Contexte**: Le cancer de l’enfant entraîne de nombreuses difficultés pour une famille. Lorsque cela touche une famille réfugiée, les conséquences peuvent être différentes et des considérations plus spécifiques en matière de soins peuvent être nécessaires.

**Objectifs**: La présente étude visait à étudier les expériences de mères afghanes vivant en République islamique d’Iran ayant un enfant atteint d’un cancer.

**Méthodes**: Il s’agissait d’une étude qualitative menée en 2017 auprès de femmes afghanes réfugiées ayant un enfant pour lequel un diagnostic de cancer avait été posé et ayant été orientées vers un hôpital de recours à Téhéran ; celles-ci ont été sélectionnées au moyen d’un échantillonnage par choix raisonné. Des entretiens en présentiel, semi-structurés et approfondis ont été menés pour la collecte des données jusqu’à saturation. L’analyse de contenu conventionnelle a été effectuée. Le logiciel MAXQDA 10 a été utilisé pour organiser les
Résultats : Neuf mères afghanes ont été interrogées. Elles étaient âgées de 24 à 44 ans et les enfants avaient entre 2 et 9 ans. Un thème principal intitulé « acceptation passive » a été défini et complété par cinq sous-thèmes : la souffrance chronique, les problèmes de santé, le manque de compétences, l'inaptitude à faire face et l'enthousiasme. Les mères avaient du mal à faire face aux difficultés financières, physiques et émotionnelles liées à la prise en charge d'un enfant atteint d'un cancer.

Conclusion : En dépit de nombreux problèmes communs avec des groupes similaires dans d'autres pays, les mères afghanes semblent avoir besoin d'une assistance plus importante lorsqu'il s'agit de chercher de l'aide et de comprendre la prise en charge dont leur enfant atteint d'un cancer a besoin, peut-être en raison d'obstacles culturels qui empêchent l'autonomisation. Il est recommandé d'élaborer des plans de soins adaptés aux besoins des mères réfugiées afghanes qui vivent en République islamique d'Iran.
A study conducted in Iran has explored the perspectives of Afghan refugee mothers on the experience of caring for a child with cancer. The study involved ten mothers and was conducted using a qualitative approach and MAXQDA software for analysis.

Methods: The study was conducted in a reference cancer center in Tehran. Mothers were selected based on eligibility criteria. Semi-structured interviews were conducted and data were analyzed using MAXQDA software.

Results: The study found that Afghan mothers faced significant challenges in caring for their children with cancer, including financial difficulties, lack of cultural understanding, and difficulty in navigating the healthcare system. Mothers also reported feelings of guilt and a lack of information about their child's condition.

Discussion: The findings highlight the need for culturally sensitive care and support systems for Afghan mothers with cancer-affected children.

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