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## Family relationship of nurses in the COVID-19 pandemic: A qualitative research

ÇELİK MY *et al.* Family relationship of nurses

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### Abstract

#### BACKGROUND

This research demonstrates that nurses feel pain because the pandemic process has separated them from their family and children

#### AIM

To examine family relationship situation of nurses in <sup>17</sup> the coronavirus disease 2019 (COVID-19) pandemic.

#### METHODS

The <sup>5</sup> research is in descriptive qualitative design. Participants were selected by the snowball method. An individual in-depth interview technique was used while the participants were away. In-depth interviews were made with a total of 27 nurses. Nine of these nurses were excluded from the study due to communication problems and device problems during the interview.

#### RESULTS

<sup>3</sup> Research shows nurses suffer from family relationship breakdown and insufficiency in intrafamilial coping. The nurses stayed away from their families due to overtime and fear of COVID-19. They cannot meet the needs of their children and spouses for whom they are responsible, they cannot spare time for them. They are living a tiring life with great responsibility and faced with mental problems such as burnout syndrome and depression. This study was conducted in 3 cities with a high number of COVID-19 cases

in Turkey. We investigated 3 themes; theme 1: Breakdown in continuity of intrafamilial relationship; theme 2: Ineffectiveness in role performance; theme 3: Ineffective individual coping.

## CONCLUSION

It was determined that the nurses suffered from conditions such as change in parent-infant/child relation and insufficiency in intrafamilial process coping.

**Key Words:** COVID-19; Nurses; Family relationship; Coping; Role performance

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**Core Tip:** This study was planned to examine family relationship of nurses in the coronavirus disease 2019 pandemic. Research shows that nurses suffer from their family relationships breakdown and insufficiency in intrafamilial coping.

## INTRODUCTION

Nursing is a profession with a scientific basis. Among the components of the scientificness and professionalism of nursing profession are ethics, philosophy, theory, and nursing models<sup>[1]</sup>. With these qualifications, nurses <sup>4</sup> plan the steps of the nursing process by examining the patients and help the patients return to normal conditions by giving them care<sup>[2,3]</sup>. According to Roy<sup>[4]</sup>, a person has four modes of adaptation. These modes <sup>15</sup> are physiologic, self-concept, role function, and inter-dependence modes. The physiologic mode contains the person's physiologic responses against environmental stimuli<sup>[4,5]</sup>. Reactions against environmental stimuli aim to protect the physiologic integrity of the body. Roy suggests that the physiologic mode comprises nine requirements. They are <sup>6</sup> oxygenation, nutrition, elimination, activity and rest, protection, senses, fluid-electrolyte and acid-base balance, neurologic function and endocrine

function<sup>[6]</sup>. The self-concept mode is associated with the person's body and sense of self, spiritual and moral values and basic needs about her/his emotions<sup>[7]</sup>. The role function mode is associated with the person's roles in society and indicates her/his social integrity. The responsibilities the person takes in her/his lifetime and all the roles she/he fulfills are evaluated in this mode. The interdependence mode includes the person's all interactions with the environment and other people<sup>[8]</sup>. According to Roy, these four modes of adaptation are connected to each other and are affected from one another. The solution of a problem perceived in any of the modes of adaptation depends on the person's adaptation effort. The person's positive response to problems perceived in the modes of adaptation keeps her/him in balance<sup>[4]</sup>. The coronavirus disease 2019 (COVID-19) outbreak has upset this balance in nurses. Most nurses are struggling against COVID-19. They work harder than ever and have had to give up many physiological needs such as sleep and nutrition, their self-concept, their roles, and the individuals they depend on. They are also concerned about transmitting COVID-19 to people and harming them. For this reason, they had to leave their families to which they were attached and had difficulties in meeting their needs<sup>[9-12]</sup>.

<sup>1</sup> Interruption of the family relationship is the breakdown of continuity in functioning effectively due to situational crises in a family, which is supportive and functions effectively under normal circumstances, and the disruption in the process of coping with stressors. This condition might be caused by a disease, breakdown of family routines, alteration in family function, loss of a family member, abandoning, separation, divorce, economic problems and emotional changes in members due to treatments. These individuals may fail in adapting to the disease or crisis, show non-functional responses, may not be able to communicate openly, and may not be able to meet, help or want to meet the (physical, mental, social and moral) needs of family members and not express their emotions<sup>[13]</sup>.

<sup>9</sup> The COVID-19 was first seen in the Wuhan province of China in December 2019, has affected the whole world and left individuals from all sections in a difficult situation<sup>[14,15]</sup>. Involved among the virus groups causing severe acute respiratory

syndrome (SARS) and middle east respiratory syndrome (MERS). The COVID-19 may be causes asymptomatic and mild or severe symptomatic and serious acute respiratory tract infections<sup>[14]</sup>.

<sup>16</sup> World Health Organization (WHO) declared COVID-19 as a pandemic in March 2019 (WHO, 2020). According to the recent data of WHO, it has been reported that the COVID-19 has been seen in all countries<sup>[15]</sup>. In Turkey it was first seen in March 2019 and has been very effective so far<sup>[12]</sup>. <sup>4</sup> In this pandemic process, nurses have always been in the forefront and have faced with vital risks to fulfil their task. Nurses who have a close contact with COVID-19 patients have been vulnerable against the infection and have faced with the situation of infecting their colleagues and family members with the virus<sup>[16,17]</sup>.

The International Council Of Nurses (ICN) recognized the passing of a large number of healthcare professionals including nursing staff by<sup>[18]</sup>. In addition, according to the Turkish Nurses Association COVID-19 analysis report, 55.7% of the nurses work in 24-h shifts, 58.6% work 40-48 h a week and 35.3% give care to ten and more patients. It has been determined that the rate of nurses giving care to patients diagnosed with COVID-19 in their unit is 82.1%. Additionally, 50.1% of the nurses indicated that their institution did not provide sufficient food for adequate and balanced nutrition<sup>[19]</sup>. In the pandemic process, the female partner is given the right of using administrative leave in case both partners are healthcare professionals; the leave has to be approved by executive supervisors, and if not approved leads to serious problems in child care. Consequently, 48.6% of the nurses face problems in child or elderly care<sup>[19]</sup>. Nurses unable to return home due to the COVID-19 pandemic, lead a life separated from their family members, rendering them powerless in meeting the needs of the family members they were responsible for. Therefore, this study was planned to examine family relationship of nurses in the COVID-19 pandemic.

## **MATERIALS AND METHODS**

### ***Qualitative approach and research paradigm***

<sup>2</sup> We used Corbin and Strauss (2014) grounded theory methodology to understand the process of clinic nurses change in family relationship during COVID-19. <sup>2</sup> Grounded theory is an inductive method of creating a theory of data<sup>[20]</sup>, where researchers foster critical reflection throughout the process by asking questions, seeking clarifications and actively listening to participant's stories. Researchers also draw on personal experiences to facilitate theoretical development, as active agents in the research process<sup>[20,21]</sup>.

### *Symbolic interactionism*

Our ground <sup>2</sup> theory methodology was rooted in symbolic interactionism<sup>[22]</sup>. The symbolic interactionism framework has three major assumptions: Cultural influences how people live and learn, experiences through culture determine how people make meaning from their interactions, and everyone creates meaning on an individual level and acts according to this meaning<sup>[22]</sup>. <sup>7</sup> The use of grounded theory methodology inherently acknowledges that the context of a theory is inseparable from the theory itself<sup>[21]</sup>. <sup>2</sup> In this study, the understanding of nurses change in family relationships experiences is based on the context of COVID-19.

### *Researcher characteristics and reflexivity*

**Type of the study:** This research is a type of phenomenological qualitative study. The research is in descriptive qualitative design. In this design, an event or the phenomenon, is defined directly.

**Population and sample of the study:** Sample calculation was not made, considering the general sample number used in qualitative researches, the participants that we could reach who <sup>3</sup> volunteered to participate in the study constituted the sample. The snowball method was used in sample selection. Participants( $n = 18$ ) were included in the sample according to the adequacy of the outcomes of 27 participants from whom adequate information was collected. Participation in the study was voluntary. Interviews were conducted with nurses who had to live separated from their family, had obligation to a



relative to take care of (child or other family members), all of our participants were women, were preferably married and could be reached *via* social media (Figure 1).

#### ***Inclusion criteria***

(1) Obligation to live separated from their family; (2) take care of (child or other family members); (3) be women; (4) be married; (5) use social media; (6) live in the provinces of Istanbul, Ankara and Gaziantep where the number of COVID-19 cases was high.

#### ***Exclusion criteria***

(1) Having a psychological illness; (2) be addicted to substance; (3) getting psychiatric counseling and participating in counseling groups.

#### ***Data collection***

Interview form: The interview form comprises two sections. The first section includes closed-ended questions about the nurses' demographic characteristics (age, family type, number of children, care need of children, caregiver of children and state of living separated from family) and working conditions (service worked, weekly working time, manner of work, province they worked in). The second section includes two questions about the effects of interrupted family relationship of the nurses during the COVID-19 pandemic on themselves, their children, and partner.

#### ***Interview questions***

(1) Can you explain the effects of the COVID-19 pandemic on your relations with your family? (2) How does the COVID-19 pandemic affect you?

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#### ***Context and researchers***

The members of our research team have background in healthcare and nursing, with expertise in qualitative research. This study was conducted in 3 cities with a high number of COVID-19 cases in Turkey between May-June 2020. These 3 cities have been

chosen for the reason that they are big cities. There were no prior relationships between participants and researchers. Participants were aware of the purpose of the study and were encouraged to share their views freely.

### <sup>1</sup> *Implementation of the study*

The data were collected by the researcher in charge by phone due to the pandemic (The researcher has worked as an intensive care nurse in the past and has previously conducted qualitative studies). The interviews were made by phone call. First of all, the participant was informed about the study and approval was obtained from the participant to participate in the study. An individual in-depth interview technique was used while the participants were away. Reaching the participant through a nurse she knew provided a safer and more comfortable interview. Participants freely expressed themselves. An hour outside of working hours was scheduled for the interview, and nurses were allowed to answer questions freely. The interviews were planned not to be too long, considering the busy working hours of the nurses. The interviews were terminated when repetitions began in the responses of the participants. In-depth interviews were made with a total of 27 nurses. Nine of these nurses were excluded from the study due to communication problems and device problems during the interview.

### <sup>11</sup> *Evaluation of data*

The Statistical Package for the Social Sciences (SPSS) version 25 program was used to analyze the nurses' input characteristics. Descriptive analysis was used to analyze the interview data. The responses of the participants were analyzed immediately after the research in order not to forget the data in the interview. He wrote it down word for word immediately after each interview. Subsequently, the texts prepared were read many times and the first codes were extracted. Later, the relevant codes were combined in a frame to form main and sub categories according to their similarities and differences. With this framework, the themes under which the data will be organized



have been determined. Then the data obtained were read, categorized, defined and coded logically according to the frame. The responsible and assistant researcher evaluated the explanations separately. The texts that came together were compared and the results were evaluated. As a result of the analysis of the interviews, three main themes and two sub-themes were formed. Themes were created with the data obtained from the participants.

### *The themes*

Themes: (1) Breakdown in continuity of intrafamilial relationship; (2) ineffectiveness in role performance; (3) ineffective individual coping.

### **1** *Ethical considerations*

In order to conduct the study, approval was obtained from the Ethics Committee of Kilis 7 Aralık University (2020/25 decision number). The study was planned and conducted in accordance with the principles of the Helsinki Declaration.

## **RESULTS**

The nurses participating in the study were chosen from the provinces of Istanbul, Ankara and Gaziantep, where the number of COVID-19 cases is higher. 70.4% of the nurses were aged 30-41 years (age mean:  $31.11 \pm 11.11$ ). In addition, 38.9% were working in the intensive care unit, 27.8% in the COVID-19 service and 33.3% in other services (internal medicine, surgery, emergency services). It was determined that 38.9% of the nurses worked in shifts, 72.2% worked for 46-72 h a week, 66.7% had only one child, 72.2% had a child with care needs, 83.3% had to leave home in the pandemic relationship, and 77.4% were not able to meet the needs of their family (Table 1). When examining the qualitative responses of the nurses; it was determined that they suffered from breakdown in continuity of intrafamilial relationship, ineffectiveness in role performance, ineffective individual coping (Table 2). Also, it was seen that the nurses in

the present study were also subjected to intense working conditions in pandemic process (Table 1).

***Theme 1: Breakdown in continuity of intrafamilial relationship***

When examining the qualitative responses of the nurses, it was determined that they suffered from breakdown in continuity of intrafamilial relationship (Table 2). This theme is given under two sub-themes involving partner and child relationships.

**Mother-child relationship:** Statements of the participants regarding their relations with their children are given below.

"At first I video chatted with my child on the phone. She/he wanted me to cuddle her/him. Then, she/he refused to talk to me because I couldn't cuddle her/him. She/he said "Turn off the mom on the video". I try to fulfill my longing with video chat but it doesn't work because I can't hug my children." (Participant 1)

"I hesitate about going home. If I went, I would infect them. If I didn't, we would miss each other, which may cause an emotional burden for both us and our children. I always feel restless and guilty whenever I am around my child." (Participant 3)

"My son is growing up and has started walking. I can only video chat with him." (Participant 5)

"Lifestyle change and my longing for my children have really beaten me. Lonely in a small apartment, I am waiting for the day I would see them again." (Participant 6)

"If I were asked whether I would leave my child one day, I would say never. But now we are separated and I haven't seen her/him for days." (Participant 8)

"It turns out my child doesn't ask about me anymore. She/he cries for her/his mother no more. You have no idea how painful this is." (Participant 9)

"My children have become more aggressive in this pandemic period. They can't stand that I have left them." (Participant 7)

"My children have forgotten my face. Even I have forgotten myself. I used to have a family. We would sing, have breakfast and sleep together with my daughter. Now it is all in the past." (Participant 10)

"I miss being a family. I miss spending time with my children. My son looks at me like a stranger on the phone. I don't know how much I can stand it." (Participant 11)

"Whenever I call my children, she/he says "I don't want to see you. You left me". She/he couldn't sleep without me. Now she/he sleeps alone." (Participant 13)

"Do you know how it feels to miss your child's smell?" (Participant 14)

"I want to hug my son so bad. He wants it, too. It breaks my heart to reject him due to the fear of infecting him." (Participant 15)

"I think about them more than myself. I feel like I am stricken with plague. The idea of making them sick shatters me." (Participant 16)

"Our family balances have been destroyed. The children have developed behavioral disorders like pettishness and getting bored easily. I have great difficulty in communicating with them." (Participant 18)

**Relationship between the partners:** Statements of the participants regarding their relations with their partner are given below.

"I unavoidably reflect my restlessness and concerns on my husband. We start fighting so easily now." (Participant 1)

"My greatest support in this process is my husband. He has always been there for me. I wouldn't make it without him." (Participant 3)

"In this period the work stress affects our relationships, which naturally causes conflicts and disagreements between us. We try to overcome this by being tolerant toward each other." (Participant 14)

"Being at home all the time means more fights. The situation is sure annoying. We fight a lot. I think we will get a divorce in the end." (Participant 4)

"We can't approach each other. It's too hard." (Participant 10)

"This COVID-19 has destroyed our life." (Participant 18)

"We can't have distance within the family. We are so close. Even if we try to stay away from each other, we just can't. As they are too young, they need me. I can't leave them. But I'm so scared. I fear that I might make them sick. I even hesitate about breastfeeding. I don't know what to do." (Participant 12)

### *Theme 2: Ineffectiveness in role performance*

The nurses complain about not being able to fulfill their family roles outside of their professional roles. The views of the nurses on this issue are as follows.

"I can't fulfill motherhood." (Participant 1)

"I feel insufficient for my children due to the uneasiness and tension I have faced in this process." (Participant 3)

"We used to go somewhere, spend time together and relieve our stress on holidays. Now they are at home and we are at work. We are really bored. But there is nothing to do. We have given up on motherhood for a while. Our priority is nursing." (Participant 4)

"As her/his mother, I want to be with her/him all the time. The other day she/he made a toy with play dough. It was so pretty. She/he invents, plays, grows up and I'm not even there." (Participant 12)

"I haven't enjoyed motherhood. I had to leave my little child." (Participant 13)

"As a mother, I can't cook for my children. I can't dress them. I can't take them anywhere." (Participant 14)

"I can't even fulfill motherhood. I'm just a nurse right now. Someone else is their mother now. Unfortunately our supervisors don't consider that we are a mother, a wife, a child and our loved ones need us." (Participant 15)

"I have forgotten that I'm a mother. Our families have forgotten us, as well. We are literally broken." (Participant 17)

"I want to fulfill motherhood. I want to spend time with my family at home. Sometimes I think that this is all a nightmare and try to wake up." (Participant 18)

### *Theme 3: Ineffective individual coping*

Nurses express that they cannot manage this process, that their individual coping methods are insufficient and that they are in a great lack of care. The statements of the participants on this issue are given below.

“Actually, I can’t say that I’m able to cope. This is a crisis and it has really beaten me. I’ve cried a lot. Finally, I have decided to receive psychological treatment.” (Participant 2)

“I suffer from a great sleep disorder due to excessive stress. I’ve become really upset and feel insufficient.” (Participant 5)

“This issue has really beaten me. I can’t cope with anything. Even my slightest mistake may make someone sick or die and it’s just too hard to live with this responsibility. They force us to become more careful and obsessive. I feel like a murderer. Lifestyle change and my longing for my children have really beaten me. I don’t want to work. I don’t want to do this job.” (Participant 6)

“There is a great gap inside me. It’s a bit hard to explain that feeling. You can’t even resign your job. You have to work and there is no one else to take care of your children. So you hire a nanny. A woman you don’t even know looks after your child. You won’t be able to see or smell your child for a while. This is unbearable and too painful.” (Participant 7)

“We are patient because we believe that this will be over. But I feel less powerful now.” (Participant 10)

“We have to be patient. We have to do it for job ethics, career, belief, whatever you name it, for the sake of humanity. We have to do it both for our children and our family.” (Participant 11)

“Even though I get scared and sad when I look at patients and see what they go through, I continue. I try to stand it.” (Participant 12)

“I am depressed. If I go to a psychologist, they would definitely diagnose me with depression. But I have to work. I have to control my psychology and emotions. Indeed

we can't get permission unless we are diagnosed with COVID-19. There is nothing to do." (Participant 13)

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### *Limitations of the research*

The study has a few limitations. One of them could not be collected face to face due to the COVID-19 pandemic. In addition, in order to participate in the study and fill out the questionnaire, the participant must have a device that supports the program, an internet connection, and the ability to fill in the questionnaire. People with these limitations had to be excluded from the study. Also studied with a small sample and only in three cities.

## **DISCUSSION**

During the pandemic, nurses had to work in long shifts and in harsh conditions<sup>[23]</sup>. According to the COVID-19 current situation analysis report by the Turkish Nurses Association; 55.7% of nurses work in 24-h shifts, 58.6% work for 40-48 h a week and 35.3% give care to ten and more patients<sup>[19]</sup>. In our study, similar to these results, it was determined that nurses work in long shift systems. Also, this study was planned to examine family relationship situation of nurses in the COVID-19 pandemic. For this purpose, the themes determined in the research are discussed below.

### *Theme 1: Breakdown in continuity of intrafamilial relationship*

**Mother-child relationship:** In this process, children have also been affected like other family members. One of the reasons for the breakdown in parent-infant/child bonds is the interruption of the parent-infant/child relationship which is based on trust, love and care<sup>[24]</sup>. During the study time, the nurses had to leave their children with someone else to protect them. In addition, children were too young to understand why their mother had to leave them. These children thought that their mother had left them completely, refused to communicate with her and began to display behavioral problems (Theme 1). In the studies, it was determined that children who were deprived of their



mother were more aggressive than other children<sup>[25,26]</sup>. In their study, Suzuki *et al*<sup>[27]</sup> determined that parents' skills and mental health and the relationship between the parents had an effect on children to develop behavioral problems. Also, nurses stated that besides the inability of fulfilling the motherhood roles, they suffer an indescribable pain because they can't hold their children and show them love (Theme 1).

**Relationship between the partners:** One of the situations causing breakdown in continuity of intrafamilial relationship is the breakdown of the communication with partners during this pandemic. The fact that partners started a fight for minor things and were not able to approach each other has made this process harder. The nurses stated that the partners tried to support each other despite all these (Theme 1). Family and occupation are the two important areas in a person's life. The person's life is basically a whole and only one. Job and family roles are intertwined in the person's life. These roles continuously interact. A positive or negative situation in any one of them may affect the other positively or negatively and cause the working mother to experience a role conflict<sup>[28]</sup>. According to the data acquired from the study, the nurses experienced Ineffectiveness in Role Performance in the COVID-19 pandemic. The nurses stated that they had to hand the motherhood role down to someone else because they were separated from their family in this process, could not stand being away from their children and meeting their needs and their intrafamilial trust was shattered due to conflicts with their husband.

### ***Theme 2: Ineffectiveness in role performance***

Many reasons such as illness, personal problems and psychological problems can negatively affect our roles<sup>[7]</sup>. Today, COVID-19 has led to changes in nurses' family roles due to its severe course, rate of contagion and its lethality. While nurses assumed their primary role as their primary role, they had to abandon their roles within the family. He had to be away from his children, parents and spouses<sup>[29,30]</sup>. For this reason, it should not be forgotten that the relationship nurses establish with their families is

important in terms of child health and maternal health, and the safe maintenance of this relationship should be supported. Alternative practices should be created for nurses to spend time with family members.

### *Theme 3: Ineffective individual coping*

As is understood from the statements <sup>1</sup> in the study, it was determined that the nurses were sad, exhausted, tired and unhappy mothers who miss their family and were not able to cope with the current situation (Theme 3). In the pandemic processes, fear of getting infected is greater for healthcare professionals than the entire society. On the other hand, healthcare professionals fear infecting their family and other people in their immediate surroundings rather than being exposed to the virus themselves. Thus, they have to live separated from their family for a long time. Besides, intense working hours in a stressful environment, healthcare professionals' deprivation of psychosocial support from their family makes this process unbearable<sup>[31]</sup>. In pandemics, healthcare professionals have higher <sup>13</sup> levels of psychiatric disorders such as anxiety, depression, and posttraumatic stress disorder and symptoms like burnout, compared to the entire society. According to the studies examining psychosocial aspects of pandemics, women and nurses are affected more<sup>[32-34]</sup>. In <sup>1</sup> a descriptive study to determine the anxiety level of nurses in the COVID-19 process ( $n = 206$ ), were found that the nurses had higher general anxiety level and also those who were female, were married and had children, contacted COVID-19 patients, and contacted patients for a longer time, had higher anxiety level. In the present study, the nurses stated that they had great difficulty in managing the COVID-19 process, feared dying or infecting other people, could not cope with their longing for their family and all these emotions and wanted to receive psychological support (Theme 3).

### **CONCLUSION**

This study discussed the difficulties faced by nurses, who are in the forefront in the war against this disease that everyone fears, with their family. It was determined that as

mothers, nurses experienced emotions such as sadness, unhappiness, anxiety and fear due to the inability of fulfilling <sup>1</sup> their motherhood roles. Nurses felt anxious about themselves, their children and family and were not able to cope with the situations caused by these anxieties.

## **ARTICLE HIGHLIGHTS**

### ***Research background***

This research demonstrates that nurses feel pain because the pandemic process has separated them from their family and children.

### ***Research motivation***

It determined that as mothers, nurses experience emotions such as sadness, unhappiness, anxiety and fear due to the inability of fulfilling their motherhood roles.

### ***Research objectives***

To demonstrate that nurses felt anxious about themselves, their children and family and inability to cope with the situation.

### ***Research methods***

We demonstrated that nurses' communication with their family and children has been interrupted and their parenting roles ruined.

### ***Research results***

In this study determined that the nurses were separated from their children, failed to meet their needs, and their motherhood role was altered in this process.

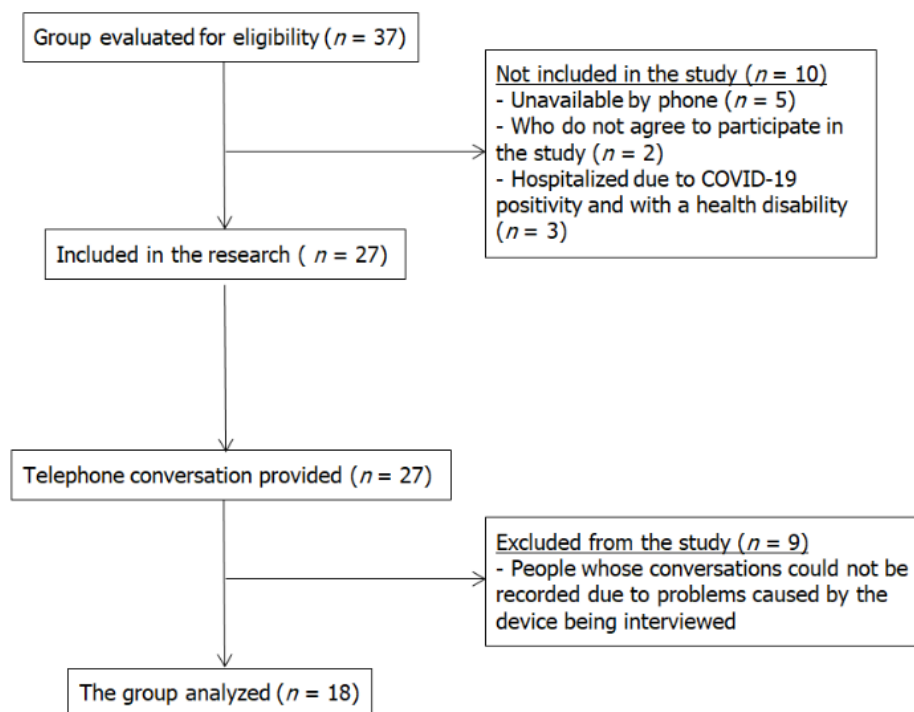
### ***Research conclusions***

It was determined that the nurses suffered from conditions such as change in parent-infant/child relation and insufficiency in intrafamilial process coping.

### ***Research perspectives***

The research shows nurses suffer from their family relationships breakdown and insufficiency in intrafamilial coping. Nurses who try to cope with the panic and fear caused by the pandemic feel pain because the process has separated them from their family and children. Their communication with their family and children has been interrupted and their parenting roles have been ruined. It is a natural right for a mother to spend time with her children. As this right has been taken away from them and they have faced a life-threatening disease, their psychology has been affected negatively. Developing the ability of nurses to regulate their emotions and the strategies of coping with this situation effectively is crucial for preventing and controlling the pandemic. It is necessary to work harder to manage the anxiety and stress in this particular group and help to prevent burnout, depression and posttraumatic stress disorder in the longer term. In this respect, we as nurses need to focus on finding solutions supporting our colleagues. In addition, the present study revealed the necessity of stressing the preservation of family integrity and the maintenance of mother-infant/child relationship.

### **Figure Legends**



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**Figure 1 Sample selection.** COVID-19: Coronavirus disease 2019.

**Table 1 Demographic data of the participants (n = 18)**

Items		<i>n</i>	%
Age (mean: 31.11 ± 11.11)	20-28 yr	8	29.6
	30-41 yr	10	70.4
Family type	Nuclear family	17	94.4
	Extended family	1	5.6
Province they worked in	Ankara	6	33.3
	Istanbul	6	33.3
	Gaziantep	6	33.3
Unit worked	COVID service	5	27.8
	Intensive care	7	38.9
	Other units (internal medicine, surgery, emergency department)	6	33.3
Manner of work	Shifts	7	38.9
	Always daytime	6	33.3
	Always night	5	27.8
Weekly working hour	40-45 h	5	27.8
	46-72 h	13	72.2
Number of children	1	12	66.7
	2 and above (2-4)	6	33.3
Care need of children	Available	13	72.2
	N/A	5	27.8
Caregiver of the child	Grandmother	3	16.7
	None available	2	11.1
	Partner	4	22.2
	Friend	3	16.7
	Nanny	2	11.1
	Myself	4	22.2



Do you live separated from your family in the COVID-19 process	Yes	15	83.3
	No	3	16.7
Are you able to meet the needs of family members in the COVID-19 process	Yes	4	22.2
	No	14	77.7

**Table 2 Analysis results of the interviews conducted with the nurses**

Themes	Description
Theme 1: Breakdown in Continuity of Intrafamilial Relationship	It was determined that the nurses' relationship with their children broke down in the COVID-19 pandemic process. It was determined that the nurses' relationship with their husband was affected negatively in the COVID-19 pandemic process.
Theme 2: Ineffectiveness in role performance	It was determined that the nurses were separated from their children and failed to meet their needs and their motherhood role was altered in this process.
Theme 3: Ineffective individual coping	It was determined that the nurses experienced negative emotions such as sadness, pessimism, anxiety, fear, burnout and were psychologically exhausted because they were not able to have a close relationship with their family in the COVID-19 pandemic process. The nurses stated that they had difficulty in coping with this process and indeed, they could not cope.

COVID-19: Coronavirus disease 2019.

11%

SIMILARITY INDEX

### PRIMARY SOURCES

- 1

[www.icnrc2020.com](http://www.icnrc2020.com)  
Internet

182 words — 3%
- 2

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov)  
Internet

138 words — 2%
- 3

Melike Y. Çelik. "The thoughts of parents to vaccinate their children against COVID - 19: An assessment of situations that may affect them", Journal of Child and Adolescent Psychiatric Nursing, 2021  
Crossref

69 words — 1%
- 4

[jcimcr.org](http://jcimcr.org)  
Internet

42 words — 1%
- 5

Parichat Ong-artborirak, Katekaew Seangpraw. "<p>Association Between Self-Care Behaviors and Quality of Life Among Elderly Minority Groups on the Border of Thailand</p>", Journal of Multidisciplinary Healthcare, 2019  
Crossref

27 words — < 1%
- 6

[archive.org](http://archive.org)  
Internet

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