**Letter to Editor**

The Effect of Anxiety Caused by the COVID-19 Pandemic on Domestic Violence Against Pregnant Women

Faezeh Ramezani¹, *Forouzan Olfati²

1. Student Research Committee, Qazvin University of Medical Sciences, Qazvin, Iran.
2. Social Determinants of Health Research Center, Qazvin University of Medical Sciences, Qazvin, Iran.

Extended Abstract

In December 2019, cases of pneumonia were reported in China due to a new coronavirus. On March 11, 2020, the World Health Organization (WHO) announced this disease as a pandemic, provoked global anxiety [1]. This acute respiratory illness is called Coronavirus Disease 2019 (COVID-19) [2,3]. It can cause a wide range of symptoms, from cold-like to acute respiratory symptoms, and lead to acute pneumonia and death [4]. Taking care of the vulnerable population is one of the important measures in management of infectious diseases [5]. There is no reliable statistics about the infected pregnant women, but they need special attention according to previous epidemics (Severe Acute Respiratory Syndrome (SARS) and Middle East Respiratory Syndrome (MERS)) [6-9]. During pregnancy, physiological changes occur that make mothers susceptible to infections, especially those that affect the cardiovascular and respiratory systems [5,7]. Upward movement of the diaphragm and increased transverse thoracic diameter greatly reduce the maternal tolerance to hypoxia [10]. Pregnant women need frequent visits for prenatal care; hence, they are more at risk [1]. In a study, out of 12 pregnant women with COVID-19, three died, 50% of those who were infected in the first trimester had an abortion, and of those infected in the second or third trimester, 40% had intrauterine growth retardation and 80% had preterm labor [2]. Mothers have more worries and subsequently anxiety during the pregnancy period (pregnancy-related anxiety) and the COVID-19 pandemic can increase this anxiety [8]. Lack of information on transmission ways, risk factors, restrictions, access to health care and counseling services during pregnancy, delivery, and after delivery has increased mothers’ concerns [8]. False and exaggerated information about this disease have also increased their fear and anxiety [11,12]. Anxiety is characterized by a concern about an impending and intolerable catastrophe. According to a survey in March 2020, more than half of women who were not previously concerned about their health, became anxious about it [13].

Anxiety in pregnant women during the COVID-19 pandemic can be due to the following cases: Rapid spread of the disease, unfavorable conditions of isolated patients, lack of effective medication, related high mortality, concerns about their elderly relatives, children and babies being born, breastfeeding and caring for their baby alone; and the risk of catching COVID-19 while on the way to the hospital [6,8,13]. Complications of maternal anxiety are preeclampsia, depression, increased nausea and vomiting in pregnancy, premature delivery, low APGAR score, and low infant weight [6,8]. Low mental health is also in women who struggle with complicated life issues such as poverty, unemployment of husband due to quarantine, their financial...
problems, and domestic violence [11, 14]. In Iran, mental health screening and assessment of mental issues such as fear, depression and anxiety, should be performed during each prenatal visit. Due to the COVID-19 outbreak, pregnant women need more emotional and social support than before. Imposing restrictions and lockdown along with the reduction of these supports, have led to the increase of domestic violence [6, 15]. Domestic violence against women has increased by 300% since the onset of COVID-19 in China [11].

Home is a safe and quiet place, but for those who are victims of violence it is a place of physical, sexual and psychological abuses [3]. According to WHO, "violence is the intentional use of physical force or threats against oneself, another person, or a group or community, each of which is likely to cause physical, psychological damages or death" [16]. One of most common type of violence against women is committed by their husbands, which is called “domestic violence” [17]. Domestic violence has many types. The first type is physical abuse which is an act causing injury to the body by beating, hitting, etc. The second type is psychological abuse caused by insulting, threatening, and humiliation. The third type is social abuse caused by restricting, isolating and loneliness, and forbidding communication with acquaintances. The other type is sexual abuse [16]. Signs of physical violence are myalgia, headache and migraine, chill and hot flashes, digestive disorders, and high blood pressure, and the signs of psychological abuse are insomnia, nightmare, sadness and distrust, low self-esteem and difficulty in memorization [18]. Adverse effects of domestic violence on pregnant women include: increase in sexually transmitted diseases, abortion, low birth weight, intrauterine growth disorder, alcohol use, unwanted pregnancy, gastrointestinal problems, death, disability, abnormal genital bleeding, stillbirth, preterm delivery, pelvic inflammatory diseases, post-traumatic stress, and anxiety [16, 17, 19]. Due to these effects, the pregnant mother's immune system becomes very weak and makes her susceptible to viral diseases such as COVID-19 [19]. Mothers exposed to domestic violence are also at risk for mental disorders such as anxiety [20]; hence, it can be said that they enter a vicious cycle of anxiety and domestic violence. That is, anxiety increases violence and violence causes anxiety which must be stopped.

In addition to individual effects, domestic violence has adverse social effects including increased treatment cost due to the above-mentioned complications, reduced capability to work, divorce, polygamy, and increase in the number of children [16]. Violence against women has always been condemned, but against pregnant women has received more attention to due to the mentioned adverse effects [18]. In a study conducted in Tehran, Iran, the prevalence of physical abuse during pregnancy was estimated to be 10.7% [17]. A 150% increase in visiting the refuge website, a 25% increase in phone calls for reporting the domestic violence in England, a 40-50% increase in Brazil and a 20% increase in a region of Spain indicate that the prevalence of domestic violence due to COVID-19 is increasing rapidly [3]. According to the World Bank document, about 19% of women's physical and mental illnesses are due to domestic violence [17]. Domestic violence is not a minor issue that is limited to specific regions; it is a global health problem that has become an epidemic and requires immediate actions [19]. Some women who are victims of domestic violence, are reluctant to report the acts of violence against them, because they do not recognize these acts as violence [18]. Since women have frequent visits to health care providers during pregnancy and a kind of trust is formed between them. It is a good time to diagnose the domestic violence [21].

Although many studies have been conducted on this disease in a short period of time, many questions have remained unanswered [1]. Despite many unknown in the treatment of Couvade -19 seem more promising compared to past epidemics (MERS And SARS), it is necessary to include mental health and counseling interventions in future management programs [7, 11, 12, 22]. Lack of knowledge about the mental health status of pregnant women and factors affecting it and the short-term and long-term psychological problems of mothers during epidemics are serious issues in the field of proper care for pregnant mothers [11]. Despite many studies on the prevalence of domestic violence in recent years, less studies have been conducted on the health effects of violence [19]. Unfortunately, less attention has been paid to the victims of domestic violence, while national and local authorities can support them [3]. In the conducted studies, no answer has yet been found to the question of how mothers and their families can be supported [1, 8, 9]. The Commission on the Status of Women (CSW) has approved that a life free of violence is a fundamental human right of every man, woman and child, and it is time for immediate action [19]. The present paper was written to attract the attention of experts and politicians to this field.

Ethical Considerations

Compliance with ethical guidelines

The study was approved by the Research Ethics Committee of Qazvin University of Medical Science (Code:IR. QUMS.REC.1399.069)
Funding

The study was extracted from MSc. thesis of Faezeh Ramezani at School of Nursing and Midwifery, Qazvin University of Medical Sciences.

Authors' contributions

Conceptualization, methodology, investigation, resource, writing original draft: Forouzan Olfati and Faezeh Ramezani; Supervision and editing: Forouzan Olfati.

Conflicts of interest

The authors declared no conflict of interest.

Acknowledgements

We gratefully thank to Qazvin University of Medical Sciences for helping us with the present research.
نقش اضطراب در خشونت خانگی زنان بارداری در دوران پاندمی کروید-19

فائزه رمضانی

1. کمیته حفظت کمیته جهانی ملل متحد برای شکایت از خشونت در سطوح

2. مرکز تعیین‌کننده‌های اجتماعی مراکز درمانی استان‌های طول‌پیمایی فردی قانونی قربانیان خشونت

در هماهنگسازی موارد 2019 مولودی از ذخیره‌نشدنی پویا در کشور چین مشاهده شد که مهلتهای کروید-19 بعدی بوده است. ساختار مسائل در فاصله 11 مارس 2019 ماه‌های مه و یک ماه گذشته جهانی کروید-19 (COVID-19) در آوریل 2019 ماه‌های سوم و چهارم در انتقال از اقتصادی به‌طور میانگین به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگین در سه‌تایی در هر دو بار سالیان در 1991 ماه‌های سوم و چهارم به‌طور میانگی...
دیگری یا علیه گروه‌ها یا اجتماع این است که هرکدام به احتمال قوی به آسیب جسمی، روانی یا مزاج منجر می‌شود. [16] خانی‌ترین خشونت مزاجی زنان را توصیف کرده‌اند. آن‌ها این مطالعه را به شکل در حال انجام شدند. خشونت خانگی ممکن است که با شکل روحی یک türlü، باعث ایجاد احساسات غیرطبیعی می‌شود که در نهایت به شکل اضطراب، مشکلات روانی و حتی به شکل اضطراب خاص روانی مانند بی‌توجهی و از بین می‌رود. خشونت خانگی در زنان به طور مستقیم یا غیرمستقیم باعث ایجاد احساسات اضطراب می‌شود که می‌تواند باعث کاهش در نوع و کیفیت زندگی و حتی به‌طور درمانی نگرانی و تحرکات نوسان در بهداشت و سلامت زنان شود. در نهایت این احتمال را باعث کاهش در کیفیت زندگی و سلامت زنان می‌کند. خشونت و خشونت جنسی باعث ایجاد احساسات روانی و خشونت خانگی می‌شود که می‌تواند باعث کاهش در کیفیت زندگی و سلامت زنان می‌شود. خشونت و خشونت جنسی باعث ایجاد احساسات روانی و خشونت خانگی می‌شود که می‌تواند باعث کاهش در کیفیت زندگی و سلامت زنان می‌شود.
در دانشگاه پرستاری و مامایی دانشگاه علوم پزشکی قزوین
استخراج شد.
مشارکت‌نویسندگان
مفهوم‌سازی، روشن‌سازی، جستجوی منابع، نگارش
پیش‌نویس اصلی: فروزان الفتی و فائزه رمضانی نظرت و ویرایش:
فروزان الفتی
تعارض منافع
بنا بر اظهار نویسندگان تعارض منافعی در مقاله وجود ندارد.
تشکر و قدردانی
از دانشگاه علوم پزشکی قزوین و توابع آن که در تحقیق حاضر
یه ما کمک كرده، سپاسگزاریم.
References


This Page Intentionally Left Blank