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The Relationship Between Attitudes Towards Sexuality and Anxiety During Pregnancy

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ABSTRACT

Objective: The study was carried out to determine the relationship between attitude towards sexuality and anxiety during pregnancy. **Materials and Methods:** The study sample consisted of voluntary pregnant women throughout Turkey who participated in the online survey and met the specified criteria. This relationship-seeking and descriptive study was conducted online with 268 pregnant women between November 2022 and March 2023. In this context, the random sampling method was used. The survey form prepared by the researchers, the Pregnancy Sexuality Attitude Scale and the Pregnancy-Related Anxiety Scale were used in the study. **Results:** It was found that the attitudes of pregnant women towards sexuality during pregnancy were moderately positive and they had moderate anxiety. It was determined that there is a negative relationship between positive beliefs about sexuality during pregnancy and approval of sexuality during pregnancy and anxiety level of pregnant women, and a positive relationship between anxiety about sexual intercourse during pregnancy and anxiety level (p<0.05). **Conclusion:** The findings of the study show that there is a relationship between the attitude towards sexuality during pregnancy and anxiety about pregnancy. All health professionals, especially midwives working in primary health care institutions, should include the issue of sexuality in pregnancy follow-up.

Keywords: Pregnancy, Sexuality, Anxiety.

Gebelikte Anksiyete ile Cinselliğe Yönelik Tutum Arasındaki İlişki

ÖΖ

Amaç: Çalışma gebelik döneminde cinselliğe karşı tutum ile anksiyete arasındaki ilişkiyi belirlemek amacıyla gerçekleştirilmiştir. **Gereç ve Yöntem:** Araştırmanın örneklemini Türkiye genelinde çevrimiçi ankete katılan ve belirlenen kriterlere uygun gönüllü gebeler oluşturmuştur. İlişki arayıcı ve tanımlayıcı tipte yapılmış bu çalışma, Kasım 2022-Mart 2023 tarihleri arasında çevrimiçi olarak 268 gebe ile yürütülmüştür. Bu kapsamda kolayda örnekleme yöntemi kullanılmıştır. Araştırmada araştırmacıların oluşturduğu anket formu, Gebelikte Cinselliğe Karşı Tutum Ölçeği ve Gebelikle İlişkili Anksiyete Ölçeği kullanılmıştır. **Bulgular**: Gebelerin gebelikte cinselliğe karşı tutumlarının orta düzeyde olumlu olduğu ve orta düzeyde anksiyeteye sahip oldukları bulunmuştur. Gebelikte cinselliğe yönelik inançların olumlu olması ve gebelikte cinselliği onaylama ile gebelerin anksiyete düzeyi arasında negatif, gebelikte cinsel birleşmeye yönelik kaygı ile anksiyete düzeyi arasında negatif, gebelikte cinsel birleşmeye yönelik kaygı ile anksiyete düzeyi arasında pozitif bir ilişki olduğu belirlenmiştir (p<0.05). **Sonuç:** Araştırmadan elde edilen bulgular, gebelikte cinselliğe karşı tutum ile gebeliğe ilişkin anksiyete arasında ilişki olduğunu göstermektedir. Birinci basamak sağlık kuruluşlarında görev alan ebeler başta olmak üzere tüm sağlık profesyonelleri gebelik izlemlerinde cinsellik konusuna yer verilmelidir. **Anahtar Kelimeler:** Gebelik, Cinsellik, Anksiyete.

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INTRODUCTION

Pregnancy is one of the most important turning points in a woman's life. Pregnancy is a physical and psychological challenge for both the mother and the father-to-be (Aksoy et al., 2019). During this time, there are social, psychological and physiological changes in women's lives (Khalesi et al., 2018; Cevik & Yanıkkerem, 2020). These changes cause different psychological reactions in pregnant women (Baran et al., 2020; Arali & Öztürk, 2022). Although pregnancy is welcomed with joy by women, it is sometimes seen as an anxious process (Arslan & Okçu, 2019). Sexual life is subject to fluctuations due to the psychological changes during pregnancy (Güney & Bal, 2023; Oche et al., 2020). However, sexuality is influenced by many factors in addition to sexual activity, living environment, beliefs and attitudes (Güney & Bal, 2023; Aksoy et al., 2019).

According to the World Health Organization, it is described as a fundamental aspect of being human (World Health Organization, 2022). Furthermore, sexuality encompasses gender identities, roles, sexual orientation, eroticism, pleasure and reproduction (World Health Organization, 2022). Sexual attitudes related to sexuality are shaped by the environment, laws, traditions, social value judgments, social status and religious beliefs in which people live (Evangelista et al., 2019). Sexual attitudes are closely linked to sexual interest (Evangelista et al., 2019).

Anxiety is another factor that influences attitudes towards sexuality, especially during pregnancy (Phan et al., 2021). It has been found that as anxiety increases, women adopt an avoidant attitude towards sexuality during pregnancy (Güney & Bal, 2023; Oche et al., 2023; Phan et al., 2021; Branecka-Woźniak et al., 2020). This situation has been shown to have a negative impact on couples' sex lives (Branecka-Woźniak et al., 2020; Bilge et al., 2021). However, no study was found in the literature on the relationship between attitudes towards sexuality during pregnancy and anxiety. The study was conducted to determine the relationship between attitudes towards sexuality and anxiety during pregnancy.

MATERIALS AND METHODS

Study type

The research is relational and descriptive, and the population of the research consists of all women who were pregnant between November 2022 and March 2023.

Study group

Random sampling method, one of the non-probability sampling methods, was used to select the sample. In the non-probability sampling method, sample selection is based on the researcher's preferences or certain characteristics of the population rather than a specific plan or random selections. The researcher selected the sample to be representative of the population. The study was announced to all pregnant women throughout Türkiye and volunteers were encouraged to participate. The sample size was calculated using the G*Power 3.1.7 program to 268 pregnant women with a power of 80% within a deviation of 2 points from the known value (30.53 ± 6.49) (Duman et al., 2021). The minimum number of pregnant women expected to be reached in the study was 268, and the study was terminated when this number was reached. All women who consented to the online survey between the indicated dates, were open to communication, literate, pregnant for the first time, at least 18 years of age, healthy with a single fetus, pregnant women who had no psychiatric illness, and volunteered to participate in the study were included.

Data collection tools

Personal information form

The questionnaire form was created by the researchers by scanning the literature and consists of 12 questions about socio-demographic characteristics, obstetric characteristics and sexual experiences (Sezer et al., 2021; Kurt and Aslan, 2020). The survey was created online. Link: https://docs.google.com/forms/d/e/1FAIpQLSca1bqX

<u>TFMghJLMPVUjceUNtHEcNLlF5YdGaf6ouwX4sW</u> <u>cNtw/viewform?pli=1</u>

And shared through the researchers' social media accounts (Facebook, Instagram, Whatsapp). Before the online survey was launched, a checkbox was set up for women to give consent to participate in the study, and after consent was given, questions were accessed

Attitude Scale Towards Sexuality During Pregnancy This scale, developed by Sezer et al. in 2021, has been accepted as a valid and reliable tool consisting of 34 items and 3 sub-dimensions for determining the attitudes of pregnant women and their spouses towards sexuality (Sezer et al., 2021). The subdimension "beliefs and values regarding sexuality during pregnancy" consists of 10 items (3, 4, 8, 9, 12, 13, 16, 17, 19, 29); the subdimension "fear of sexual intercourse during pregnancy" consists of 9 items (7, 10, 15, 18, 22, 25, 26, 27, 30); The subdimension "affirmation of sexuality during pregnancy" consists of 15 items (1, 2, 5, 6, 11, 14, 20, 21, 23, 24, 28, 31, 32, 33, 34). Positive statements were scored as "disagree at all"="1", "disagree"="2", "agree moderately"="3", "agree"=4, and "agree fully"=5, while negative statements; disagree at all"="5", "disagree"="4", "agree moderately"="3", "agree"="2", and "agree fully"=" It is scored as 1". The scores that can be taken from the subdimension "Fear of sexual composition during pregnancy" are in the range of 9-45 points, "Beliefs and values regarding sexuality during pregnancy" and the score that can be obtained from the sub-dimension "Affirmation of sexuality during pregnancy" are in the range of 15-75 points. With the total "Scale of attitudes towards sexuality during pregnancy" you can score a minimum of 34 and a maximum of 170 points. The higher the total score of the "Attitude Scale Towards Sexuality During Pregnancy", the more positive it is, and the lower the total score decreases, the more negative the attitude towards sexuality during pregnancy.

Pregnancy-Related Anxiety Scale (PrAS)

The Turkish reliability and validity study of the scale, which was developed by Brunton et al. in 2018, was conducted by Kurt and Aslan in 2020, reducing the number of items from 33 to 31, developing a scale with 9 subdimensions as a result the Turkish validity and studies (Kurt and Aslan, reliability 2020). Subdimensions of the scale; "Worries About Childbirth" (items 1. 2. 3. 4. 5. and 6.), "Attitudes Towards Childbirth" (Items 11, 12 and 13), "Body Image Anxiety" (7. 8. 9 and Article 10) "Concern About Motherhood" (Articles 14, 15 and 16), "Acceptance of Pregnancy" (Articles 17, 18 and 19), "Attitudes toward health care workers" (Articles 23, 24 and 25)), "Anxiety Indicators" (Articles 20, 21 and 22), "Avoidance" (Articles 26, 27 and 28) and "Fear of The Baby" (Articles 29, 30 and 31). The scale includes a 4-point Likert type assessment consisting of "Never: 1", "Sometimes: 2", "Mostly: 3", "Very often: 4" options. The lowest was found to be 31 and the highest 124 points across the scale. The items indicated in parentheses in the scale (11, 12, 13, 17, 18, 19, 23, 24, and 25) are scored in reverse order. After the 9 reversescored items are translated, each sub-dimension is scored on its own, and the sum of the scores of all items in the score gives the "total scale score". As the score on the total scale increases, the level of pregnancy anxiety increases linearly. The Cronbach's alpha of the scale in the original study was reported as 0.92. In this study, the Cronbach's alpha value of the PrAS was calculated to be 0.89 (Kurt & Arslan, 2020)

Dependent and independent variables

The independent variables of this research are age, education, working status, husband age, spouse's employment status, smoking status, social security status, income perception and emotions about the upcoming birth, number of pregnancies, pregnancy trimesters, thinking that pregnancy affects sex life. The dependent variable is pregnancy related anxiety and attitudes towards sexuality.

Statistical analysis

Analysis of the data obtained from the study was performed using the Statistical Package for Social Science 25 (SPSS 25.0) program on the computer. Since the data did not have a normal distribution, the Kruskall Wallis test and the Mann Whitney U test were used for the analysis. The relationship between attitudes toward sexuality during pregnancy and pregnancy-related anxiety was determined by Pearson correlation analysis. **Ethical considerations**

Permission for the study was obtained from the Non-Invasive Research Ethics Committee of the Faculty of Health Sciences, Selcuk University. The pregnant women who agreed to participate in the study were informed about the study. They were informed that they had the right to withdraw from the study at any time during the study, and the informed consent form was forwarded to the participants and they were promised that their information would be kept confidential.

RESULTS

The mean age of the women participating in the study was 28.15 ± 2.46 (min:20-max:40) and the mean gestational week was 32.95 ± 3.72 . The mean score of the scale of women's attitude toward sexuality during pregnancy was 86.72 ± 14.11 , and since the highest score that can be obtained on the scale is 170, it shows that the women have a moderately positive attitude toward sexuality during pregnancy (Table 1). The mean value of the inventory of pregnancy-related anxiety (PRAS) was 69.40 ± 11.25 , considering that the highest value that can be obtained with this scale is 124, it can be said that the women's pregnancy anxiety is moderate (Table 2).

Table 1. Women's attitudes towards sexuality in
pregnancy scale sub-dimension and total mean
scores.

Variables	Mean ±SS	Min-Max
Beliefs and Values	18.59 ± 7.45	9-45
Related to Sexuality in		
Pregnancy Sub-		
Dimension Score		
Anxiety Regarding	20.96 ± 7.54	9-45
Sexual Mating During		
Pregnancy		
Sub-Dimension Score		
Sub-Dimensional Score	47.12±10.66	15-73
of Confirming Sexuality		
in Pregnancy		
Attitudes Towards	86.72±14.11	34-130
Sexuality During		
Pregnancy Scale Total		
Score		

Table 2. Women's pregnancy-related anxiety scale(PRAS) sub-dimension and total mean scores.

Variables	Mean ±SS	Min-Max		
Birth-Related Concerns	14.76±4.52	6-24		
Attitudes Towards Birth	7.27±2.21	3-12		
Body Image Anxiety	6.51±2.53	4-16		
Worrying About	5.07±2.00	3-12		
Motherhood	1 0 0 1 0 1 0			
Acceptance Of Pregnancy	4.99±2.40	3-12		
Attitudes towards Health Personnel	8.52±2.92	3-12		
Concern Indicators	6.10±2.29	3-12		
Avoidance	5.17±2.50	3-12		
Concerns Regarding the Baby	5.44±2.34	3-12		
Scale Total Score	69.40±11.25	30-144		

 Table 3. The relationship between sociodemographic and obstetric characteristics of pregnant women, and Attitudes towards Sexuality in Pregnancy Scale and PRAS.

Variables		n	%	Attitudes towards Sexuality in	Pregnancy-Related Anxiety	
				Pregnancy Scale Mean ±Ss	Scale Mean ±Ss	
Age	18-30 years old	180	67	87.82±14.07 (88)	70.58±11.39 (71)	
	31-45 years old	88	33	85.51±13.98 (86)	67.75±10.04 (66)	
	P**			0.27	0.023	
Education	Primary education	97	36	85.20±15.88 (86)	66.04±10.94 (66)	
	High school	82	30	88.56±14.65 (88)	72.10±9.61 (72)	
	University	87	34	87.82±10.62 (87)	71.60±11.33 (71)	
	P *			0.429	0.001	
Working status	Not working	182	68	86.40±14.60 (88)	68.56±10.81 (68)	
	Working	86	32	90.11±13.63 (91)	73.94±9.18 (75)	
	P**			0.782	0.010	
Husband Age	18-30 years old	140	52	88.55±14.12 (88)	71.07±11.69 (71)	
	31-45 years old	128	48	85.34±13.84 (86)	68.00±9.97 (67)	
	P**			0.080	0.049	
Husband's Working Status	Yes	250	93	87.93±11.54 (85)	65.40±10.39 (63)	
	No	18	7	87.00±14.22 (88)	69.92±11.01 (70)	
	P**			0.813	0.057	
Smoking status	Yes	21	7	85.80±15.44 (86)	70.75±9.27 (70)	
	No	247	93	87.19±13.98 (88)	69.48±11.16 (69)	
	P**			0.582	0.806	
Social security status	Yes	207	77	87.62±13.54 (88)	69.83±10.66 (69)	
	No	61	23	85.03±15.72 (88)	68.98±12.26 (69)	
	P**			0.556	0.538	
Perception of Income	Bad	42	15	85.02±17.14 (88)	65.75±13.76 (66)	
	Middle	212	79	87.04±13.31 (87)	70.28±10.20 (70)	
	Good	14	6	95.40±12.62 (96)	72.90±11.23 (74)	
	P *			0.146	0.115	
Number of Pregnancies	1	110	41	87.58±12.40 (88)	71.13±11.12 (71)	
	2	90	33	87.36±15.35 (90)	69.00±10.56 (69)	
	≥3	68	26	85.78±14.89 (86)	68.09±11.30 (67)	
	P*			0.354	0.272	
Pregnancy trimesters	1. Trimester	39	14	85.34±16.57 (88)	67.28±10.49 (68)	
	2. Trimester	69	25	83.68±13.88 (86)	69.56±11.25 (70)	
	3. Trimester	160	61	88.91±13.29 (88)	70.19±11.01 (70)	
	P *			0.072	0.795	

 Table 3. (Continue). The relationship between sociodemographic and obstetric characteristics of pregnant women, and Attitudes towards Sexuality in Pregnancy

 Scale and PRAS.

Thinking that pregnancy affects sex life	Yes	109	40	87.82±12.62 (87)	70.69±10.98 (69)
	No	159	60	86.54±14.95 (88)	68.94±11.01 (70)
	P**			0.611	0.380
Emotions about the upcoming birth	Positive		57	95.00±14.45 (90)	67.89±9.20 (67)
	Negative Complicated		2	86.10±14.65 (87)	83.20±25.83 (76)
			Complicated		41
	P*			0.227	0.007

Table 4. Correlation coefficients of attitudes towards sexuality in pregnancy scale sub-dimension and total scores, and PRAS sub-dimension and total score.

PRAS Sub-Dimensions	PRAS 1.	PRAS 2. Sub-	PRAS 3.	PRAS 4. Sub-	PRAS 5.	PRAS 6.	PRAS 7. Sub-	PRAS 8. Sub-	PRAS 9.	PRAS Total
	Sub- Dimension	Sub- Dimension	Sub- Dimension	Sub- Dimension	Sub- Dimension	Sub- Dimension	Dimension	Dimension	Sub- Dimension	Total
Attitudes towards Sexuality in Pregnancy Scale 1.										
Sub- Dimensions	-0.153	-0.238	-0.075	-0.156	-0.172	-0.191	-0.219	-0.186	-0.711	-0.163
р	0.013	0.000	0.226	0.010	0.005	0.002	0.000	0.002	0.000	0.008
Attitudes towards Sexuality in Pregnancy Scale 2.	0.242	0.168	0.124	0.224.	0.066	0.255	0.238	0.175	0.360	0.259
Sub- Dimensions	0.000	0.006	0.044	0.000	0.284	0.000	0.000	0.004	0.000	0.000
р										
Attitudes towards Sexuality in Pregnancy Scale 3.	-0.033	-0.289	-0.071	-0.022	-0.369	-0.075	-0.0.65	-0.055	-0.639	-0.173
Sub-Dimensions	0.590	0.000	0.251	0.726	0.000	0.228	0.296	0.379	0.000	0.005
р										
Attitudes towards Sexuality in Pregnancy Scale	-0.253	-0.005	-0.153	-0.217	-0.160	-0.288	-0.193	-0.153	-0.398	-0.360
Total Score	0.000	0.933	0.013	0.000	0.010	0.000	0.002	0.013	0.000	0.000
р										

PRAS 1st sub-dimension: **Birth-Related Fears**, PRAS 2nd sub-dimension: **Attitudes Regarding Childbirth**, PRAS 3rd sub-dimension: **Body Image Anxiety**, PRAS sub-dimension 4:**Maternity Anxiety**, PRAS 5th subdimension: **Acceptance Of Pregnancy**, PRAS 6th subdimension: **Attitudes Toward Health Care Workers**, PRAS 7th subdimension: **Indicators Of Anxiety**, PRAS 8. sub-dimension: **Avoidance Behaviour**, PRAS 9th subdimension: **Concern About The İnfant**, Attitudes toward sexuality during pregnancy scale Subdimension 1: **Beliefs And Values Regarding Sexuality During Pregnancy**, Attitude scale toward sexuality during pregnancy 2nd subdimension: gender anxiety during pregnancy, Attitude scale towards sexuality during pregnancySubdimension 3: **Affirmation Of Sexuality During Pregnancy** Table 3 shows the association between the sociodemographic and obstetric characteristics of pregnant women and Attitude Scale Towards Sexuality During Pregnancy and PRAS. It was found that there was no association between women's attitudes toward sexuality during pregnancy and their sociodemographic characteristics. In examining the association between pregnancy anxiety and sociodemographic characteristics, women in the 18-30 age group were compared to the other groups, women with high school diplomas compared to women with elementary and high school diplomas, women with spouses between the ages of 18-30 compared to women who are not employed, and women who have negative view of the upcoming birth were compared to the others. Anxiety levels are found to be higher than those experiencing complex emotions.

Table 4 shows the correlation coefficients for the Attitude Scale Towards Sexuality During Pregnancy subdimension and total score and for the PRAS subdimension and total score. A negative significant correlation was found between the 1st subdimension (beliefs and values regarding sexuality in pregnancy) of the Attitude Scale Towards Sexuality During Pregnancy and all other subdimensions except the 3rd subdimension of the pregnancy-related anxiety scale and the total score. It is observed that the level of anxiety decreases when attitudes about beliefs and values regarding sexuality in pregnancy are positive. It was found that with the increase in the 2nd subdimension of the Fear of Pregnancy Scale (fear of sexual coitus during pregnancy), all subdimensions and total scores of the Fear of Pregnancy Scale increased, with the exception of the 5th subdimension. This shows us that as the fear of sexual intercourse during pregnancy increases, the level of anxiety also increases. Attitudes toward sexuality in pregnancy Scale 3rd subdimension (affirmation of sexuality in pregnancy) PRAS It was found that there was a negative relationship between attitudes toward childbirth, acceptance of pregnancy, worries about the baby, and total anxiety score. It was found that there is a negative significant relationship between the total score of the Attitudes toward Sexuality in Pregnancy scale and all other sub-dimensions except the 2nd sub-dimension PRAS and the total score.

DISCUSSION

The data obtained from this study shed light on the sexual attitudes and fears of expectant mothers during pregnancy. In our study, it was found that expectant mothers' attitudes towards sexuality during pregnancy were moderately positive. However, women were found to have an avoidant attitudes towards sexuality because of the increase in discomfort and dyspareunia and because they do not perceive sexual intercourse as safe during pregnancy (Güney & Bal, 2023; Phan et al., 2021). In addition, studies have shown that sexual life during pregnancy

between couples is negatively affected (Mutlu & Güleroğlu, 2023; Uğurlu et al., 2023; Özgan Çelikel & Bulut, 2019). It is assumed that the level of education, sociocultural characteristics and the week of pregnancy of the pregnant women influence this situation (Özçoban & Dilcen, 2022; Gümüşay et al., 2021; Özgan Çelikel & Bulut 2019; Oche et al, 2020). However. in our study, sociodemographic characteristics and gestational week had no effect on attitudes towards sexuality during pregnancy. And although the women experienced a decrease in sexual desire, they continued to have sexual intercourse to satisfy their partners (Özgan Çelikel & Bulut 2019; Oche et al., 2020).

It has been found that there is a relationship between changes in sex life and anxiety in pregnant women (Güney & Bal, 2023). In our study, it was found that there is a relationship between age, sociodemographic characteristics, thoughts about impending labor and anxiety. In studies similar to our study, there is a close association between sociodemographic characteristics and anxiety (Effati-Daryani et al., 2021; Bilge et al., 2021). In particular, socioeconomic status can increase anxiety (Effati-Daryani et al., 2021). Another factor that influences anxiety is the interruption of sex life (Effati-Daryani et al., 2021).

The study found that the quality of sex life increases marital satisfaction and reduces anxiety (Effati-Daryani et al., 2021). However, in the study conducted by Hajnasiri et al. it was found that pregnancy trimesters were not affected by anxiety depending on sex life (Hajnasiri et al., 2018). In our study, it was found that the anxiety of pregnant women was at a moderate level. Another important finding of the study is that there is a negative relationship between positive beliefs about sexuality during pregnancy and approval of sexuality during pregnancy and anxiety levels of pregnant women and a positive relationship between anxiety about sexual intercourse during pregnancy and anxiety levels. Similar to our study, the literature states that decreased sexual desire and fear of sexual intercourse increase the level of anxiety (Güney & Bal, 2023; Demir et al., 2023).

In a study conducted by Özçoban and Dilcen, it was found that most couples consider sexual intercourse during pregnancy to be safe (Özcoban & Dilcen, 2022). In another study, although a relationship was found between the perception of body image and sexual functions of pregnant women, in contrast, a healthy sexual life was found in their spouses due to a positive body image (Gümüşay & Erbil, 2021). As in our country, in both Muslim countries and some non-Muslim countries, sexuality between spouses is not discussed and is seen taboo (Özçoban & Dilcen, 2022; Zhang et al., 2021; Effati-Daryani et al., 2021; Phan et al., 2021). However, studies have found that conversations about sexuality between spouses, access to correct information in the pre-conceptual phase, marital harmony between couples and attitudes towards sexuality during pregnancy reduce anxiety by positively influencing it (Özçoban & Dilcen, 2022; Effati-Daryani et al., 2021; Bilge et al., 2021).

Limitations of the Research

The data obtained in the research is limited to the information provided by the expectant mothers.

CONCLUSION

The results of the study show that there is an association between attitudes toward sexuality during pregnancy and fear of pregnancy. Among health professionals, especially midwives working in primary health care facilities on this issue, the topic of sexuality should be included in pregnancy examinations. Studies should be conducted to reduce the fears of expectant mothers regarding sexuality and fears in the pregnancy-related areas of misinformation, sexual life during pregnancy, and psychology of pregnancy. Pregnancy-related fears should be identified, especially among expectant mothers. It is foreseeable that pregnant women and future generations will develop healthy sexual behavior by ensuring that they have sufficient knowledge and materials about sexual life during pregnancy. In addition, further studies are needed to determine the attitudes of expectant mothers toward sexuality during pregnancy in our country.

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Conflict of Interest

The author declares no potential conflicts of interest with respect to the research, authorship and/or publication of this article.

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Author Contributions

Plan, tasarım: BA; Gereç, yöntem ve veri toplama: BA, BÇ; Analiz ve yorum: BA, BÇ; Yazım ve eleştirel değerlendirme: BA.

Ethical Approval

Institution: Selcuk University Ethics Committee Date: 03.11.2022 Approval no: 2022/1093

REFERENCES

- Aksoy, A., Yılmaz, D. V., & Yılmaz, M. (2019). Gebelikte cinsel yaşantıyı neler etkiler?. Adnan Menderes Üniversitesi Sağlık Bilimleri Fakültesi Dergisi, 3(1), 45-53.
- Arali, M., & Öztürk, S. (2022). Gebelik öncesi beden kitle indeksinin prenatal bağlanma ve anksiyete düzeyine etkisi: tanımlayıcı ve ilişki arayıcı bir çalışma. Türkiye Klinikleri Sağlık Bilimleri Dergisi, (1): 104-11. https://doi.org/10.5336/Healthsci.2021-82961

- Arslan, S., Okçu, G., Coşkun, A. M., Temiz, F. (2019). Kadınların gebeliği algılama durumu ve bunu etkileyen faktörler. Sağlık Bilimleri ve Meslekleri Dergisi, 6(1), 179-192. https://doi.org/10.17681/Hsp.432333
- Aslantekin, F., & Yalnız Dilcen, H. (2022). The effect of pregnancy process on marital adjustment and sexuality / gebelik sürecinin evlilik uyumuna ve cinselliğe etkisi. *Turkish Journal of Family Medicine and Primary Care, 16.* 639-649. https://doi.org/10.21763/tjfmpc.1015918
- Baran, G. K., Şahin, S., Öztaş, D., Demir, P., & Desticioğlu, R. (2020). Gebelerin algılanan stres düzeylerinin ve stres nedenlerinin değerlendirilmesi. *Cukurova Medical Journal*, 45(1), 170-180. <u>https://doi.org/10.17826/Cumj.633534</u>
- Bilge, Ç., Mecdi Kaydırak, M., Öner, Ö. & Balkaya, N. A. (2021). Gebelikte cinsel işlev ve cinsel memnuniyetin değerlendirilmesi. İnönü Üniversitesi Sağlık Hizmetleri Meslek Yüksek Okulu Dergisi, 9 (2), 684-693. https://doi.org/10.33715/inonusaglik.820979
- Branecka-Woźniak, D., Wójcik, A., Błażejewska-Jaśkowiak, J., & Kurzawa, R. (2020). Sexual and life satisfaction of pregnant women. *International Journal of Environmental Research* and Public Health, 17(16), 5894. <u>https://doi.org/10.3390/ijerph17165894</u>
- Çevik, E., & Yanıkkerem, E. (2020). The factors affecting self-esteem, depression and body image of pregnant women in a state hospital in Turkey. JPMA. The Journal of the Pakistan Medical Association, 70(7), 1159-1164. https://doi.org/10.5455/JPMA.19892
- Demir, O., Sal, H., Ozalp, M., Adas, M. B., Aran, T., & Osmanagaoglu, M. A. (2023). Examination of the change in sexual functions and anxiety as the pregnancy progresses and the effect of nulliparity on this change. *Northern Clinics of Istanbul*, *10*(4), 514–520. <u>https://doi.org/10.14744/Nci.2022.85226</u>
- Duman, M., Yüksekol, Ö. D., & Ozan, Y. D. (2021). Preeklampsili gebelerde gebelikle ilişkili anksiyetenin prenatal bağlanmaya etkisi. Jinekoloji-Obstetrik ve Neonatoloji Tıp Dergisi, 18(3), 907-915. https://doi.org/10.38136/Jgon.795735
- Effati-Daryani, F., Jahanfar, S., Mohammadi, A., Zarei, S., & Mirghafourvand, M. (2021). The relationship between sexual function and mental health in Iranian pregnant women during the COVID-19 pandemic. BMC Pregnancy and Childbirth, 21(1), 327. <u>https://doi.org/10.1186/s12884-021-03812-7</u>
- Evangelista, A. R., Moreira, A. C. A., Freitas, C. A. S. L., Val, D. R. do, Diniz, J. L., & Azevedo, S. G. V. Sexualidade de (2019).idosos: conhecimento/atitude de enfermeiros da Estratégia Saúde da Família. Revista Da Escola de Enfermagem Da USP, 53. https://doi.org/10.1590/s1980-220x2018018103482
- Gümüşay M., Erbil N., Demirbağ C. B., (2021). Investigation of sexual function and body image of pregnant women and sexual function of their partners. Sexual and Relationship Therapy, https://doi.org/10.1080/14681994.2021.1883580

- Güney, E., & Bal, Z. (2023). Gebelerin, cinsel yaşam ve cinselliğe karşı tutumlarının değerlendirilmesi. *Androloji Bülteni*, 25(1), 18-26. https://doi.org/10.24898/tandro.2023.27167
- Hajnasiri, H., Aslanbeygi, N., Moafi, F., Mafi, M., & Bajalan, Z. (2018). Investigating the Relationship between Sexual Function and Mental Health in Pregnant Females. *Iranian Journal of Psychiatric Nursing* 6 (2):33-40. http://dx.doi.org/10.21859/ijpn-06024
- Khalesi, Z. B., Bokaie, M., & Attari, S. M. (2018). Effect of pregnancy on sexual function of couples. *African Health Sciences*, 18(2), 227-234. <u>https://doi.org/10.4314/Ahs.V18i2.5</u>
- Kurt, G., & Arslan, H. (2020). Turkish version of the pregnancy-related anxiety scale: a psychometric study. *Perspectives in Psychiatric Care*, 1–10. <u>https://doi.org/10.1111/Ppc.12537</u>
- Oche, O. M., Abdullahi, Z., Tunau, K., Ango, J. T., Yahaya, M., & Raji, I. A. (2020). Sexual activities of pregnant women attending antenatal clinic of a tertiary hospital in north-west nigeria. *The Pan African Medical Journal*, *37*, 140. <u>https://doi.org/10.11604/Pamj.2020.37.140.2547</u> 1
- Mutlu, E. N. Ç., & Güleroğlu, F. T. (2023). Effect of pregnancy symptoms on the sexual quality of life. *Revista Da Associacao Medica Brasileira* (1992), 69(8), E20230111. <u>https://doi.org/10.1590/1806-</u> 9282.20230111
- Özçoban, F. A., & Dilcen, H. Y. (2022). The effect of pregnancy process on marital adjustment and sexuality. *Turkish Journal of Family Medicine* and Primary Care, 16(4), 639-649. <u>https://doi.org/10.21763/Tjfmpc.1015918</u>
- Özgan Çelikel, Ö., & Bulut, S. (2019). Evaluation of the relationship between sexual functions and depressive symptoms among pregnant patients during the second trimester. *Archives of*

Gynecology and Obstetrics, 300(6), 1813–1819. https://doi.org/10.1007/S00404-019-05367-7

- Phan, T. C., Hoang, L. B., Tran, T. K., Pham, T. T. T., Bui, A. V., Dao, H. T., Ngo, T. V., & Tran, C. D. (2021). Fear-related reasons for avoiding sexual intercourse in early pregnancy: a cross-sectional study. *Sexual Medicine*, 9(6), 100430. https://doi.org/10.1016/J.Esxm.2021.100430
- Ryan, J. H., Young, A., Musara, P., Reddy, K., Macagna, N., Guma, V., Seyama, L., Piper, J., Van Der Straten, A., & Mtn- 041/Mamma Study Team (2022). Sexual attitudes, beliefs, practices, and hıv risk during pregnancy and post-delivery: a qualitative study in Malawi, South Africa, Uganda, and Zimbabwe. *AIDS and Behavior*, 26(3), 996–1005. https://doi.org/10.1007/S10461-021-03454-Y
- Uğurlu Karakaş, G., Uğurlu, M., & Çayköylü A. (2020). Prevalence of female sexual dysfunction and associated demographic factors in turkey: a metaanalysis and meta-regression study. *International Journal of Sexual Health*, 32(4), 1–18. https://doi.org/10.1080/19317611.2020.1819503
- Sezer, N. Y., & Şentürk Erenel, A. (2021). Development of an attitude scale toward sexuality during pregnancy. Journal of Sex & Marital Therapy, 47(5), 492-507. https://doi.org/10.1080/0092623x.2021.1911892
- World Health Organization. (2022). Redefining sexual health for benefits throughout life. World Health Organization. <u>https://www.who.int/news/item/11-02-2022-</u> <u>redefining-sexual-health-for-benefits-</u> <u>throughout-life</u>
- Zhang, Q., Shen, M., Zheng, Y., Jiao, S., Gao, S., Wang, X., Zou, L., & Shen, M. (2021). Sexual function in chinese women from pregnancy to postpartum: a multicenter longitudinal prospective study. Bmc *Pregnancy and Childbirth*, 21(1), 65. https://doi.org/10.1186/S12884-021-03546-6