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The Correlation between the Perceptions of Nursing Students on Spirituality and Spiritual Care and Their Professional Values in the Process of the COVID-19 Pandemic

ABSTRACT:

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Purpose: This study was conducted for the purpose of investigating the correlation between the perceptions of nursing students on spirituality and spiritual care and their professional values in the process of the COVID-19 pandemic.

Material and Methods: The study was carried out with nursing students at the School of Health at a state university in the Mediterranean Region of Turkey between 1 and 14 July 2020. The sample consisted of 279 students. The question forms for the data were prepared on Google Forms, and the data were collected by connection addresses sent to the students. In data collection, a "Personal Information Form", the "Spirituality and Spiritual Care Rating Scale (SSCRS)" and the "Nurses Professional Values Scale-Revised (NPVS-R)" were used.

Results: The students' mean total score in the "NPVS-R" was 102.22±24.34, while their mean total score in the "SSCRS" was 3.79±0.61. There was a significant, positive and weak correlation between the total score and subscale scores of the "NPVS-R" and the score of the "SSCRS".

Conclusion: This study concluded that the perceptions of the nursing students regarding spirituality and spiritual care and their professional values in the COVID-19 pandemic process were on a good level, and as their professional values increased, their spirituality and spiritual care perceptions increased.

Keywords: Nursing Student, Professional Values, Spirituality, Care

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INTRODUCTION

COVID-19, which came into the agenda with pneumonia cases with unknown etiology on 31 December 2019 in the city of Wuhan in the Chinese province of Hubei, has began to spread to the entire world fast, and related deaths have increased fastly (Aktuğ et al., 2020). COVID-19 caused the deaths of many patients, loss-related pain, fear, concerns and psychological crises (Turkish Academy of Sciences, 2020). In this process, spiritual care is a vital component of holistic health management, particularly in terms of coping, illness, suffering, and ultimately acceptance of death (Roman et al., 2020). Providing spiritual care leads to positive outcomes

like recovering for patients and developing spiritual awareness for nurses (Ramezani et al., 2014). There are many factors that affect the spiritual care of nurses. One of the effective factors in nursing care is the nurse's perception of spiritual needs and care (Ergül and Bayık, 2004). When nursing students, who are the nurses of the future, cannot determine the spiritual needs of the patient correctly, they may not be able to provide holistic care, and thus, the outcomes of the recovery process and patient care are negatively affected (Daghan, 2018). According to the holistic care approach, the dimensions of the individual should not be considered separately from each other and should be handled as a whole (Korkut

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Bayındır and Biçer, 2019). Sagkal Midilli et al. (2017) found that 94.1% of students thought it is necessary to ensure the individual/patient with spiritual care, while 69.9% stated that they did not see themselves adequate in terms of ensuring spiritual care to their patients. Kobya Bulut and Meral (2019) reported that student nurses had heard of spiritual care, however the students' knowledge and practices regarding this issue were not enough. Brandstötter et al. (2021) found that nursing students suffered from low spiritual well-being during the COVID-19 lockdown.

Some of the important factors that affect the behaviors of the individual are the values they have (Karaöz, 2000). Values are generally beliefs and attitudes about a goal, object, principle, or behavior (Acaroğlu, 2014). Every individual has personal, social/societal/cultural and professional values that provide meaning for, shape and direct their life (Acaroğlu, 2014). Professional nursing values have been described as important professional nursing principles such as altruism, fairness, human dignity, and integrity that serve as a framework for standards, professional implementation, and assessment (Schmidt and McArthur, 2018). A previous study revealed that the professional behaviors of nursing students were loaded with ethical principles and values (Kaya et al., 2012). While the professional values of nurses guide their application of care behaviors, make decisions and solve ethical problems, they also guide their interactions with health/patient persons, colleagues, other team members and society (Acaroğlu, 2014). Internalization of professional values starts in periods of studentship and continues to develop in the professional socializing process after graduation. For this reason, developing professional values in nursing students should not be neglected (Arkan et al., 2019). No study has been found in the literature examining the correlation between nursing students' perception of spirituality and spiritual care, and their professional values. Cici and Yilmazel (2021) determined that the perspectives of the profession among nurse candidates show a negative trend due to the COVID-19 pandemic. Therefore, it is thought that perceptions of nursing students on spirituality and spiritual care and their professional values will

be affected during COVID-19 pandemic. Brandstötter et al. (2021) reported that even though students in 2020 and earlier rated their proficiency in providing spiritual care as high, their caregiving may be affected if their own spiritual well-being remains low for an extended period of time. Among healthcare personel, the professionals that most frequently interact with patients and spend time with them are nurses (Karasu and Öztürk Çopur, 2020). Since the health status of people may be adversely affected during the Covid-19 pandemic process, it is thought that there is a greater need for the application of spiritual care and professional values in this process, so it was considered necessary to know about the correlation between the perceptions of students who would become nurses on spirituality and spiritual care and their professional values in the COVID-19 pandemic process, this study was performed.

MATERIAL and METHODS Purpose and Type of the Study

This study was performed for the aim of investigating the correlation between the perceptions of nursing students on spirituality and spiritual care and their professional values in the process of the COVID-19 pandemic. This was a descriptive study.

Sampling and Participant

The population of the study consisted of all students of a nursing department at a School of Health at a state university located in the Mediterranean Region of Turkey in the period of 1-14 July 2020 (n=584). The research was completed with 279 students who agreed to participate in the research.

Data Collection Tools

The "Personal Information Form", the "Spirituality and Spiritual Care Rating Scale" and the "Nurses Professional Values Scale-Revised" were utilized.

Personal Information Form

It was created as a result of a review of the literature. It included questions regarding the descriptive characteristics of the students, spiritual care and coronavirus. It consisted of 15 questions, such as seeing education on spiritual care necessary, reason

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of choosing the profession of nursing, having coronavirus disease in their environment, and having coronavirus disease in their relatives (Caner et al., 2019; Akın and Yılmaz, 2020; Çelik et al., 2014; Çelik İnce and Utaş Akhan, 2016).

Nurses Professional Values Scale-Revised (NPVS-R)

The Nurses Professional Values Scale was developed by Weis and Schank (2000). It was adopted for the Turkish society by Orak and Alpar (2012). The NPVS-R is a 26-item, 5-point Likert-type (1-not important, 5-most important) scale developed by Weis and Schank (2009). The Turkish validity and reliability study of the NPVS-R was carried out by Acaroğlu in 2014. In the Turkish adaptation study by Acaroğlu (2014), the Cronbach's alpha coefficient of the scale was found as 0.96. The Turkish version of the scale has a 3-factor structure called Care, Professionalism and Trust. There is no inversely scored item in the scale. The score range of the scale is between 26-130. A high score shows strong compliance with professional values (Acaroğlu, 2014). In this study, the Cronbach's alpha coefficient of the total NPVS-R was found as 0.98, whereas those of its care, professionalism and trust subscales were found respectively as 0.98, 0.94 and 0.87.

Spirituality and Spiritual Care Rating Scale (SSCRS)

The scale was developed by McSherry et al. (2002). Its validity and reliability study in Turkish was carried out by Ergül and Bayık Temel (2007). It is a five-point Likert type scale consisting of 17 items. The items are scored from 1 suitable to "absolutely disagree" and 5 corresponding to "absolutely agree". Thirteen items are scored directly, while four items are scored reversely. The score range of the scale is between 17-85 points. Item average scores closer to 5 demonstrate high levels of perception of spirituality and spiritual care. Its Cronbach's alpha coefficient was reported as 0.76. (Ergül and Bayık Temel, 2007). In this study, this coefficient was calculated as 0.82.

Implementation

After obtaining the necessary legal permissions, an "online questionnaire" was applied on the students at the school in the scope of the study. The questions were organized by using Google Forms, and the data

were collected by a link sent to the students. Preliminary information about the study was provided to the students in the online questionnaire. Informed consent was included in the online questionnaire. The students filled out the questionnaire after they stated that they agreed to participate in the study.

Statistical Analysis

Data Analysis SPSS version 22 was used for data analysis. In data analysis, frequencies, percentages, minimum and maximum, means and standard deviations were utilized.

In the normally distributed measurements, independent-samples t-test, One-Way ANOVA test (as further analysis, LSD test was used in the case where the variances were homogenous, while Dunnet C test was used otherwise) were used. In the non-normally distributed measurements, Mann Whitney U test, Kruskal Wallis test (Mann Whitney U as further analysis) and Spearman's correlation analysis were used. The Cronbach's alpha coefficient was used. Kurtosis and Skewness values were checked to evaluate the normality of the distribution of the data.

Ethical Approval

For the study to be conducted, written permissions were received from the Atatürk University Nursing Faculty Ethics Committee (Approval Dated: 05/06/2020, Decision Number: 2020-4/13) and the institution where the research was performed. The students were informed regarding the topic of the study. An informed consent page was presented to the participants at the beginning of the questionnaire, and those who agreed continued to fill out the form.

RESULTS

Sample Characteristics

In the study, 72% of the students were 21 years old or younger, 78.5% were female, 30.1% were 1st-year students, and 98.2% was single. 95% of the students were not working at a clinic as a nurse, 44.8% had gotten information regarding spirituality and spiritual care, 42.4% of those who had seen the received information adequate, 92.5% thought education regarding spiritual care is necessary. 90% of the students did not have any chronic diseases, 53.4% had chronic diseases in their family, 88.2% did not have any dependents, and 44.1% chose nursing as they like helping people. The novel coronavirus

disease was present in the environment of 20.8% of the students and in the relatives of 5.7%, while the relatives of 52.7% were psychologically affected by the coronavirus (Table 1).

Table 1. Nursing students' descriptive characteristics and statuses of receiving information on spirituality and spiritual	
care (n=279)	

Variables		n	%
Ago	≤21 years	201	72.0
Age	≥22 years	78	28.0
Gender	Female	219	78.5
Gendel	Male	60	21.5
	1st	84	30.1
Class	2nd	79	28.3
Class	3rd	72	25.8
	4th	44	15.8
Marital status	Married	5	1.8
Ividi ital status	Single	274	98.2
Marking at the clinic as a nurse	Yes	14	5.0
Working at the clinic as a nurse	No	265	95.0
Cotting information regarding envirtuality and envirtual core	Yes	125	44.8
Getting information regarding spirituality and spiritual care	No	154	55.2
Contine the second information advances	Yes	53	42.4
Seeing the received information adequate	No	72	57.6
Contra advention on estimation and and an estimate	Yes	258	92.5
Seeing education on spiritual care necessary	No	21	7.5
Presence of chronic diseases	Yes	28	10.0
Presence of chronic diseases	No	251	90.0
	Yes	149	53.4
Presence of chronic diseases among family	No	130	46.6
	Yes	33	11.8
Having a dependent relative	No	246	88.2
	Family's request	29	10.4
	Easy to find a job	83	29.7
Reason of choosing the profession of nursing	Exam scores to be sufficient	34	12.2
	Liking to help people	123	44.1
	Other*	10	3.6
The first second state of the first second	Yes	58	20.8
Having coronavirus disease in their environment	No	221	79.2
the feature of the alternative testing to the test	Yes	16	5.7
Having coronavirus disease in their relatives	No	263	94.3
Defense and the least all as ffected to the temperature has the second state of the temperature of the second state of the sec	Yes	147	52.7
Being psychologically affected in their relatives by the coronavirus pandemic	No	132	47.3

*Willing to work in the field of health, dreaming of becoming a nurse, seeing the profession suitable for him, liking nursing profession

Students' Scores of the SSCRS and NPVS-R

Considering the distribution of the scores of the scales and their dimensions, the mean scores of the students were 60.13±14.64 in the Care subscale,

30.80±7.55 in the Professionalism subscale, 11.29±2.92 in the Trust subscale and 102.22±24.34 in the total NPVS-R. The mean score of the SSCRS was 3.79±0.61 (Table 2).

Table 2. The mean scores of SSCRS and NPVS-R (n=279)

Scale and Subscales	Min-Max	Mean± Standard Deviation
Care	15-75	60.13±14.64
Professionalism	8-40	30.80±7.55
Trust	3-15	11.29±2.92
NPVS-R total	26-130	102.22±24.34
SSCRS total	1.24-4.76	3.79±0.61

Table 3. Assessment of their mean total scores for NPVS-R according to some descriptive characteristics of students (n=279)

Variables	n	NPVS-R (Mean± Standard Deviation)
ge	261	
21 years	201	102.25±23.54
22 years	78	102.13±26.45
gnificance		t=0.039 p=0.969
ender		
emale	219	103.04±22.46
lale	60	99.23±30.27
gnificance		t=0.907 p=0.367
lass		μ=0.507
st	84	103.69±20.95
nd	79	99.67±22.02
rd	72	104.56±27.93
th	44	100.16±28.05
		F=0.715
gnificance		p=0.544
larital status Jarried	5	98.00±39.25
ngle	5 274	98.00±39.25 102.30±24.09
וואוכ	2/4	
gnificance		t=-0.244 n=0.819
/orking at the clinic as a nurse		p=0.819
25	14	107.64±27.87
0	265	101.93±24.17
		t=0.855
ignificance		p=0.393
etting information regarding spirituality and spiritual care	46-	
es	125	99.18±28.70
0	154	104.69±19.88
ignificance		t=-1.822 p=0.070
eeing the received information adequate		p 0.070
es	53	96.58±30.51
0	72	101.08±27.35
· · · · · · · · · · · · · · · · · · ·		t=-0.865
gnificance		p=0.389
eeing education on spiritual care necessary	25.0	102 42 24 04
25	258	103.43±24.04
0	21	87.33±23.64
gnificance		t=2.954 p= 0.003
resence of chronic diseases		p=0.005
25	28	106.39±23.38
0	251	101.75±24.45
gnificance		t=0.957
-		p=0.340
resence of chronic diseases among family	149	102.32±24.23
es 0	149	102.32124.23 102.11±24.57
v	130	t=0.071
gnificance		p=0.943
aving a dependent relative		p
25	33	102.61±24.14
0	246	102.17±24.42
gnificance		t=0.097
		p=0.923
eason of choosing the profession of nursing	29	95.93±22.78
amily's request		
asy to find a job	83	97.07±27.96
kam scores to be sufficient	34	104.44±23.41
king to help people	123	106.41±21.91
ther*	10	104.10±20.33
gnificance		F=2.458
Inificance		p= 0.046

* Willing to work in the field of health, dreaming of becoming a nurse, seeing the profession suitable for him, liking nursing profession

Table 3. (continued)

Variables	n	NPVS-R (Mean± Standard Deviation
Having coronavirus disease in their environme	nt	
Yes	58	99.98±26.10
No	221	102.81±23.89
Ciavificance		t=-0.785
Significance		p=0.433
Having coronavirus disease in their relatives		
Yes	16	104.81±28.75
No	263	102.06±24.10
Ci: files		t=0.438
Significance		p=0.661
Being psychologically affected in their relatives	s by the coronavirus pandemic	
Yes	147	104.31±22.70
No	132	99.89±25.94
C		t=1.515
Significance		p=0.131

*Willing to work in the field of health, dreaming of becoming a nurse, seeing the profession suitable for him, liking nursing profession

Assessment of Their Mean Total Scores for NPVS-R According to Some Descriptive Characteristics of Students

The difference in the mean total NPVS-R score based on the students' status of seeing education on spiritual care necessary (p=0.003) and their reason of choosing the profession of nursing was statistically significant (p=0.046). The scores of those who saw education on spiritual care necessary were higher. In the analysis conducted to identify which group the difference was caused by based on reasons of choosing nursing (LSD), the scores of those who responded to have selected the profession as they liked helping people were higher than those who selected it as their family wanted so and those who selected it as it was easier to find a job. This difference was not statistically significant based on the students' age (p=0.969), gender (p=0.367), class (p=0.544), marital status (p=0.819), status of working at the clinic as a nurse (p=0.393), status of getting information regarding spirituality and spiritual care (p=0.070), status of seeing the received information adequate (p=0.389), presence of chronic disease (p=0.340), presence of chronic disease in the family (p=0.943), status of having a dependent relative (p=0.923), status of having coronavirus disease in their environment (p=0.433), status of having coronavirus disease in their relatives (p=0.661) and their relatives being psychologically affected by the coronavirus pandemic (p=0.131) (Table 3).

Assessment of Their Mean Total Scores for SSCRS According to Some Descriptive Characteristics of Students

The difference in the mean total SSCRS score based on the students' status of having coronavirus disease in their environment (p=0.036) and status of having coronavirus disease in their relatives was statistically significant (p=0.037). Those who did not have coronavirus disease in their environment or relatives had higher mean scores. This difference was not statistically significant based on the students' age (p=0.609), gender (p=0.871), class (p=0.609), marital status (p=0.818), status of working at the clinic as a nurse (p=0.809), status of getting information regarding spirituality and spiritual care (p=0.882), status of seeing the received information adequate (p=0.631), status of seeing education on spiritual care necessary (p=0.080), presence of chronic disease (p=0.143), presence of chronic disease in the family (p=0.973), status of having a dependent relative (p=0.072), reason of choosing the profession of nursing (p=0.751) and their relatives being psychologically affected by the coronavirus pandemic (p=0.963) (Table 4).

Correlation between SSCRS and NPVS-R scores

As seen in Table 5, there was a statistically significant, positive and weak correlation between the care, trust and professionalism subscale and the NPVS-R total scores and the SSCRS scores. As the students' scores in the care, trust and professionalism subscales and the total NPVS-R increased, their SSCRS scores also increased (p=0.000).

Table 4. Assessment of their mean total scores for SSCRS according to some descriptive characteristics of students (n=279)

			SSCRS		
/ariables		n	Mean± Standard Deviation	Test	р
Age	≤21 years	201	3.80±0.61	U=7530.000	0.609
	≥22 years	78	3.76±0.60		
Gender	Female Male	219 60	3.81±0.58 3.73±0.71	U=6480.000	0.87
Gender		84	3.79±0.64		
	1st 2nd	84 79	3.79±0.64 3.78±0.62		
		79 72	3.78±0.62 3.73±0.64	KW=1.828	0.60
Class	3rd				
	4th	44	3.91±0.47		
Marital status	Married	5	3.52±1.09	U=644.000	0.81
	Single	274	3.79±0.60		
	Yes	14	3.71±0.68	U=1784.000	0.80
Working at the clinic as a nurse	No	265	3.79±0.61		
Getting information regarding spirituality and spiritual care	Yes	125	3.77±0.65	U=9526.000	0.88
	No	154	3.80±0.57		5.002
Seeing the received information adequate	Yes	53	3.77±0.56	U=1812.000	0.63
	No	72	3.77±0.72		0.051
Seeing education on spiritual care necessary	Yes	258	3.81±0.60	U=2088.000	0.08
seeing cuddation on spintaal care necessary	No	21	3.59±0.64	0 2000.000	0.030
Presence of chronic diseases	Yes	28	3.54±0.80	U=2921.500	0.14
resence of chronic diseases	No	251	3.82±0.58	0=2521.500	0.14
Presence of chronic diseases among family	Yes	149	3.80±0.59	U=9662.000	0.97
resence of chronic diseases among family	No	130	3.78±0.63	0-9002.000	0.97
Having a dependent relative	Yes	33	3.57±0.75	U=3277.000	0.07
Having a dependent relative	No	246	3.82±0.58	0-3277.000	0.07
	Family's request	29	3.78±0.67		
	Easy to find a job	83	3.77±0.60		
Reason of choosing the profession of nursing	Exam scores to be sufficient	34	3.69±0.80	KW=1.918	0.75
	Liking to help people	123	3.82±0.56		
	Other*	10	4.01±0.27		
(In the second state of th	Yes	58	3.57±0.79	11 5261 000	0.07
Having coronavirus disease in their environment	No	221	3.85±0.54	U=5261.000	0.03
	Yes	16	3.24±0.86		
Having coronavirus disease in their relatives	No	263	3.82±0.58	U=1265.000	0.03
Being psychologically affected in their relatives by the	Yes	147	3.75±0.70		
coronavirus pandemic	No	132	3.84±0.49	U=9671.000	0.96

*Willing to work in the field of health, dreaming of becoming a nurse, seeing the profession suitable for him, liking nursing profession

Table 5. Correlation between SSCRS and NPVS-R scores

		SSCRS
	r	0.220
Care	р	0.000
	n	279
	r	0.228
Professionalism	р	0.000
	n	279
	r	0.257
Trust	р	0.000
	n	279
	r	0.239
NPVS-R total	р	0.000
	Ν	279

DISCUSSION

In our study, the mean score obtained from the total NPVS-R was approximately 102. Considering that the highest possible NPVS-R score is 130, it may be

stated that the professional value perceptions of the students were good. The highest perceptions were related to the Care factor (60.13±14.64) which emphasizes values such as humanitarianism, justice

and altruism. The results of some studies show that the students have a high perception of professional value (Arkan et al., 2019; Çulha, 2018; Donmez and Ozsoy, 2016; Peksoy et al., 2020). Some studies found that the highest perceptions were regarding "care" (Çulha, 2018; Donmez and Ozsoy, 2016; Lin et al., 2016; Poorchangizi et al., 2019). The results of this study were in agreement with the previous studies. According to this results, it may be stated that, as the "care" perceptions among the professional values of the nursing students were high, the care, which is the main function of a nurse, perceived well.

In our study, the mean score obtained from the total SSCRS was approximately 3.80. Considering that scores close to 5 on this scale indicate higher levels of perception of the concepts of spirituality and spiritual care, it can be said that nursing students' perceptions of the concepts of spirituality and spiritual care are at a high level. Some studies have found that the students have low perceptions of spirituality and spiritual care (Folami and Onanuga, 2018; Mankan et al., 2014). Some studies have determined high (Akın and Yılmaz, 2020; Köktürk Dalcali and Erden Melikoğlu, 2021; Pour et al., 2017). It may be stated that, some of the previous studies have not supported our findings, as the patient and hospital situations that nursing students encounter throughout their education may be different from each other. It is a positive finding that the level of perception of spirituality and spiritual care, whose importance has emerged once again, especially during the coronavirus process, are high in nursing students in this study.

In this study, significant differences were found among professional values of students based on the students' seeing education on spiritual care necessary and their reason for choosing nursing as a profession. Bang et al. (2011) determined that there was a significant difference in the students' professional values according to the reasons for entering nursing school. The results of this study were in agreement with the previous study. It may be stated that their reason for choosing nursing and seeing education regarding spiritual care necessary affected the students' professional values. It is thought that these characteristics should be taken into account in order for students to gain professional values.

When we examined the students' professional values and perception of spirituality and spiritual care according to factors related to spirituality and spiritual care in this study, in addition to the previous finding, no significant differences were found among professional values of students based on the students' getting information regarding spirituality and spiritual care and seeing the received information adequate. In addition, no significant differences were found in the mean scores of the SSCRS of students based on the students' seeing education on spiritual care necessary, getting information regarding spirituality and spiritual care and seeing the received information adequate. Celik Ince and Utaş Akhan (2016) reported that nursing students' status of getting information regarding spirituality and spiritual care, whether the state of seeing the information received as sufficient or not, do not affect their level of perception of spirituality and spiritual care. Contrary to our findings, Kobya Bulut and Meral (2019) reported that nursing students who know the concepts of spirituality and spiritual care and take spirituality and spiritual care as course content had higher level of perception of spirituality and spiritual care than for those who had not. In this study, it is thought that the sources from which nursing students receive information on this subject and the quality of the information they receive are not sufficient. In addition, in this study, the majority of the students seen education on spiritual care necessary; but, since nearly half of them have gotten information regarding spirituality and spiritual care and seen the received information adequate, it makes us think that these students have a lack of knowledge regarding spirituality and spiritual care, and that students' approaches to this subject should be known in order for them to be able to practice holistic care.

This study found that students who did not have coronavirus disease in their environment or relatives had higher mean SSCRS score than those who did. According to this result, it may be stated that the status of having coronavirus disease around affects nursing students' spirituality and spiritual care perceptions. It is thought that the reason for the students who did not have coronavirus disease in their environment or relatives to have higher spirituality and spiritual care perceptions could have been the concern or though of catching the disease themselves or their relatives catching the disease.

This study found that as the professional values of the nursing students increased, their perceptions on spirituality and spiritual care also increased. Köktürk Dalcali and Erden Melikoğlu (2021) found that there was a correlation between the personal values of nursing students and their perceptions of spiritual care. The results of this study were in agreement with the previous study. In this study, it is thought that supporting students' professional values will increase spirituality and spiritual care.

CONCLUSION

Spiritual care and professional values are important in nursing. Spiritual care is an integral part of holistic nursing care. In this study, it was determined that the spirituality and spiritual care perceptions and nursing students' professional values in the COVID-19 pandemic process were on a good level, and as their professional values increased, their spirituality and spiritual care perceptions increased. It may be recommended to pay importance to trainings towards increasing the awareness and knowledge levels of nursing students concerning professional values, spirituality and spiritual care and to conduct more comprehensive studies on this subject.

Conflict of Interest

None declared.

REFERENCES

- Acaroğlu, R. (2014). Reliability and validity of Turkish version of the nurses professional values scale – revised. Florence Nightingale Journal of Nursing, 22(1), 8-16.
- Akın, B., Yılmaz, S. (2020). Determination of spirituality and spiritual care perception levels of midwifery students. Türkiye Klinikleri Journal of Health Sciences, 5(1), 56-62.

https://doi.org/10.5336/healthsci.2019-70550

Aktuğ, Z. B., İri, R., Aktuğ Demir, N. (2020). COVID-19 immune system and exercise. Journal of Human Sciences, 17(2), 513-520.

https://doi.org/10.14687/jhs.v17i2.6005

Arkan, G., Ordin, Y.S., Haney, M.Ö. (2019). The relationship between nursing students' burnout levels

and their professional values. Acibadem University Health Sciences Journal, 10(3), 443-450. https://doi.org/0.31067/0.2018.82

- Bang, K.S., Kang, J.H., Jun, M.H. et al. (2011). Professional values in Korean undergraduate nursing students. Nurse Education Today, 31(1), 72-5. <u>https://doi.org/10.1016/j.nedt.2010.03.019</u>
- Brandstötter, C., Kundt, F. S., Paal, P. (2021). Spiritual wellbeing, attitude, involvement, perceptions and competencies: Measuring the self-perception of nursing students during 2018, 2019 and the first wave of COVID-19 in 2020. Health and Social Care Chaplaincy, 9(2), 175-190.

https://doi.org/10.1558/hscc.18468

- Caner, N., Sezer Efe, Y., Erdem, E. et al. (2019). Professional values and ethical sensitivity in intern nurses. Journal of Health Sciences, 28(3), 123-128. <u>https://doi.org/10.34108/eujhs.553135</u>
- Cici, R., Yilmazel, G. (2021). Determination of anxiety levels and perspectives on the nursing profession among candidate nurses with relation to the COVID-19 pandemic. Perspectives in Psychiatric Care, 57, 358– 362. <u>https://doi.org/10.1111/ppc.12601</u>
- Çelik, A. S., Özdemir, F., Durmaz, H. et al. (2014). Determining the perception level of nurses regarding spirituality and spiritual care and the factors that affect their perception level. Journal of Hacettepe University Faculty of Nursing, 1(3), 1-12.
- Çelik İnce, S., Utaş Akhan, L. (2016). Nursing students' perceptions about spirituality and spiritual care. Hemşirelikte Eğitim ve Araştırma Dergisi, 13(3), 202-208. <u>https://doi.org/10.5222/HEAD.2016.202</u>
- Çulha, Y. (2018). Examination of nursing values, emotional intelligence levels and individualized care perceptions of senior nursing students. Institute of Health Sciences, Department of Nursing Fundamentals. Master Thesis: İstanbul University, İstanbul-Turkey.
- Daghan, S. (2018). Nursing students' perceptions of spirituality and spiritual care; An example of Turkey. Journal of Religion and Health, 57, 420–430. https://doi.org/10.1007/s10943-017-0416-y
- Donmez, R.O., Ozsoy, S. (2016). Factors influencing development of professional values among nursing students. Pakistan Journal of Medical Sciences, 32(4), 988–993. <u>https://doi.org/10.12669/pjms.324.10616</u>
- Ergül, Ş., Bayık Temel, A. (2007). Validity and reliability of "The Spirituality and Spiritual Care Rating Scale" Turkish version. Journal of Ege University Nursing Faculty, 23(1), 75–87.
- Ergül, Ş., Bayık, A. (2004). Nursing and spiritual care. Journal of Cumhuriyet University Nursing School, 8(1), 37–45.
- Folami, F.F., Onanuga, K.A. (2018). Perception of spirituality, spiritual care, and barriers to the provision of spiritual care among undergraduate nurses in the University of Lagos, Nigeria. Journal of Clinical Sciences, 15, 8-12.

https://doi.org/10.4103/jcls.jcls 66 17

Karaöz, S. (2000). Ethics in perioperative nursing. Journal

of Cumhuriyet University School of Nursing, 4(1), 1-15.

- Karasu, F., Öztürk Çopur, E. (2020). An intensive care nurse in the forefront of the epidemic while increasing cases of Covid-19: "heroes in front-line". Journal of Intensive Care Nursing, 24(1), 11-14.
- Kaya, H., Işık, B., Şenyuva, E. et al. (2012). Nursing students' individual and professional values. Journal of Anatolia Nursing and Health Sciences, 15(1), 18-26.
- Kobya Bulut, H., Meral, B. (2019). Evaluation of perceptions of spiritual and spiritual care of student nurses. Gümüşhane University Journal of Health Sciences, 8(4), 353-362.
- Korkut Bayındır, S., Biçer, S. (2019). Holistic nursing care. İzmir Kâtip Çelebi Üniversitesi Sağlık Bilimleri Fakültesi Dergisi, 4(1), 25-29.
- Köktürk Dalcali, B., Erden Melikoğlu, S. (2021). The relationship between nursing students' perceptions of spirituality and spiritual care and their personal values. Journal of Religion and Health, 1-15. <u>https://doi.org/10.1007/s10943-021-01355-x</u>
- Lin, Y.H., Li, J., Shieh, S.I. et al. (2016). Comparison of professional values between nursing students in Taiwan and China. Nursing Ethics, 23(2), 223-230. https://doi.org/10.1177/0969733014561912.
- Mankan, T., Çiçek, Ö., Yıldırım, H. (2014). Nursing students' views on spiritual care. Proceedings Book. Poster Presentation. 13th National Nursing Students Congress. 1-3 May 2014. Trabzon/Turkey. Available from <u>http://hdl.handle.net/11508/8403</u>. Accessed: 25 July 2020.
- McSherry, W., Draper, P., Kendrick, D. (2002). The construct validity of a rating scale designed to assess spirituality and spiritual care. International Journal of Nursing Studies, 39(7), 723-734. https://doi.org/10.1016/S0020-7489(02)00014-7
- Orak, N.Ş., Alpar, Ş.E. (2012). Validity and reliability of the nurses' professional values scale's Turkish version. Journal of Marmara University Institute of Health Sciences, 2(Supplement: 1), 22–31.
- Peksoy, S., Şahin, S., Demirhan, İ. et al. (2020). Evaluation of the relationship between the perception of professionalism and commitment to professional values in nursing students. Journal of Hacettepe University Faculty of Nursing, 7(2), 104-112. https://doi.org/10.31125/hunhemsire.763138
- Poorchangizi, B., Borhani, F., Abbaszadeh, A. et al. (2019). Professional Values of Nurses and Nursing Students: a comparative study. BMC medical education, 19, 438. https://doi.org/10.1186/s12909-019-1878-2
- Pour, H.A., Özvurmaz, S., Kunter, D. (2017). Evaluation of perception and practice model of spiritual care in intern nursing and midwifery students. Journal of Contemporary Medicine, 7(3), 225-233. <u>https://doi.org/10.16899/gopctd.349937</u>
- Ramezani, M., Ahmadi, F., Mohammadi, E. et al. (2014). Spiritual care in nursing: a concept analysis. International Nursing Review, 61(2), 211–219. https://doi.org/10.1111/inr.12099

Roman, N.V., Mthembu, T.G., Hoosen, M. (2020). Spiritual

care – 'A deeper immunity' – A response to Covid-19 pandemic. African Journal of Primary Health Care & Family Medicine, 12(1), a2456.

https://doi.org/10.4102/phcfm.v12i1.2456

- Sagkal Midilli, T., Kalkım, A., Daghan, S. (2017). Spiritual care-related opinions and practices of nursing students. Journal of Human Sciences, 14(1), 666–677. https://doi.org/10.14687/jhs.v14i1.4316
- Schmidt, B. J., McArthur, E. C. (2018). Professional nursing values: A concept analysis. Nursing Forum, 53, 69-75. https://doi.org/10.1111/nuf.12211
- Turkish Academy of Sciences (2020). Covid-19 Pandemic Assessment Report. 2020, Publications of the Turkish Academy of Sciences, TÜBA Reports, No: 34. ISBN: 978-605-2249-43-7. Ankara. Available from http://www.tuba.gov.tr/files/images/2020/kovidrapo ru/Covid-19%20Raporu-Final+.pdf Accessed: 25 July 2020.
- Weis, D., Schank, M.J. (2000). An instrument to measure professional nursing values. Journal of Nursing Scholarship, 32(2), 201-204.

https://doi.org/10.1111/j.1547-5069.2000.00201.x

Weis, D., Schank, M.J. (2009). Development and psychometric evaluation of the nurses professional values scale-revised. Journal of Nursing Measurement, 17(3), 221–231.

https://doi.org/10.1891/1061-3749.17.3.221