The Mediating Role of Coaching Behavior in The Effects of Intrinsic Motivation on Work Addiction Among Nurses

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ABSTRACT

This study aims to investigate whether coaching behavior has a mediating role in the effects of intrinsic motivation on work addiction among nurses.

This is a cross-sectional study. A total of 269 nurses who were working at Ankara Education and Research Hospital were included in the study. After obtaining required permissions, we started to collect data using structured instruments designed to phenomenological and attitudes behaviors. Theinstruments used in this study were personal information form, the Intrinsic Motivation Scale (IMS), the Work Addiction Scale (WAS) and the Coaching Behavior Scale (CBS). Statistical analyses were performed using SPSS version 20 for Windows.

The mean work addiction total score was 3.26 ± 0.72 ; the mean coaching behavior scale score was 2.89 ± 1.02 and the mean intrinsic motivation scale score was 3.86 ± 0.78 for the participants. Work addiction showed a positive linear correlation with coaching behavior and intrinsic motivation. Besides, there was a positive linear correlation between coaching behavior and intrinsic motivation.

We performed Sobel Test to investigate the mediating effect among the variables and found that coaching behavior had a fully mediating role in the effects of intrinsic motivation on work addiction.

Coaching behavior increases nurses' motivation by improving their communication skills in relationships with patients and colleagues. We argue that increased level of motivation decreases work addiction among nurses and has positive impacts on both institutional performance and patient outcomes.

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INTRODUCTION

There is a rapid change in the health care system and the presentation of health services. Acceleration in innovation, global competition, and diseases that are hard to deal with, make things harder for healthcare professionals. In this regard, it is a necessity to motivate the feelings of curiosity, interest, empathy, and affection among health care professionals, which is like their professions, to improve the quality and efficiency of nursing care holding an important place in health services. It may be argued that personal characteristics and work environment have impacts on work addiction and intrinsic motivation among nurses. To gain a positive development in this impact, employees require to get managerial coaching. Since nurses provide continuing health service, they have some situations such as work-related concerns and difficulty falling asleep after working hours or when they are off-the-clock (Kubota et al., 2010; Shimazu et al., 2010). In health care, workplace environment involves units require maximum attention, such as intensive care, emergency departments, and operating rooms. This situation creates a stressful job environment. Work pressure on nurses, who provide 7/24 healthcare service, causes the repeated checking of the duties done. It has been reported in the literature that nursing is among the professions at the risk of work addiction (Quinones & Griffiths, 2015).

In health care system, among the intrinsic and extrinsic motivators in the workplace are sufficient resources, supportive management, professional statue, fair distribution of the workload, flexible working hours, occupational health and safety, payments, rewards, job love, satisfying relationships with other health care professionals (Abu Yahya et al., 2019; Buchan, 2010). Managers have important roles in motivating employees. Among a manager's responsibilities are evaluation and accountability, establishing effective working relationships, making learning easier, creating an environment for learning, implementing evidence-based practices, assessment of learning (Ali, 2008). Managers should guide employees by using coaching behaviors to ensure that they can make better decisions. Besides, they should support health care workers in fulfilling their responsibilities. All of these will increase employee motivation.

Motivation is important for workforce management in health care systems as it is associated performance levels, human resource management, and patient satisfaction. The inherent desire of individuals to engage in activities for their fundamental needs forms the basis for intrinsic motivation. In other words, people are curious and have a desire to know, to inquire, and to develop since birth (Ryan & Deci, 2000). There are two types of motivation, intrinsic and extrinsic motivation. Intrinsic motivation is the type of motivation that emerges from

the interest in a job and it is related to the nature of the job. Among intrinsic motivators are job autonomy, job involvement, the value of the job for the employee, creativity, responsibility, and use of abilities at work. Intrinsically motivated people to move to action for enjoyment or opportunity about a job or a task rather than external rewards, pressures, or needs (Saracel et al., 2015). A large number of nurses, among other staff is too significant to be ignored. This situation is also important regarding the workload in the sector. Thus, motivation is a key factor for nurses to cope with the difficulties they encounter. It has been showing that a high level of motivation and satisfaction increases employee performance and productivity (Hammoudi et al., 2018). In the health care system, high turnover rates adversely affect access to care and reduce the quality and level of health care service. The shortage of staff leads to a reduction in time spent on patient care. Moreover, the lack of experienced staff undermines teamwork and causes a decrease in individual and organizational performance (Buchan, 2010). Decreases in individual and organizational performance adversely affect quality of health care services, as well as reduce competitiveness of an institution.

Advances in technology, acceleration innovation, and global competition have increased customer demands and led to changes in expectations. In response to these developments, employees need to update their knowledge and compete with others by establishing social network services. Through the internet and computer-based working, employees can work wherever they are and whenever they want; however, this situation sometimes causes a blurred line between work and private life (van Beek et al., 2012). The people blurring the line between work and private life in this manner are called as workaholics. The term workaholism was first described by Oates as "work addiction, the compulsion or the uncontrollable need to work incessantly" (Bonebright, 2002). Spence and Robins (1992) focus on three characteristics of work addiction. These characteristics are the work involvement, feeling an addictive drive to work under internal pressure and the lack of work enjoyment. It has been suggested that work addiction may be a kind of adaptation for the individuals working at stressful workplaces for a long time, and also it has been revealed that work addiction affects burnout (Homer, 1985; Kanai et al., 1996). Nurses, who are one of the key stakeholders in the health care system, may be more likely to feel burned out. It has become compulsory to determine more effective approaches to establish an educational and supportive environment for health care professionals to improve their skills and knowledge and the quality of care and to develop appropriate policies to achieve this purpose (Manzi et al., 2017). Health institutions utilize the coaching approach as a solution to this compulsory situation.

Coaching is generally a long term relationship between nurses and nurse managers providing leading support for professional development (Jacobs, 2018). It is assumed that coaching behavior increases job satisfaction among nurses via developing communication skills to improve the relationship between nurses and their colleagues and patients, and the satisfaction increased by coaching affects patient satisfaction.

METHOD

Purpose and Hypotheses

This study aims to investigate the mediating role of coaching behavior in the effects of intrinsic motivation on work addiction.

H1: Intrinsic motivation affects work addiction positively.

H2: Coaching behavior affects work addiction positively.

H3: Coaching behavior affects intrinsic motivation positively.

H4: The variable coaching behavior has a mediating role in the effects of intrinsic motivation on work addiction.

Population and Sample

The population of this study consisted of nurses who were working at an education and research hospital in Ankara. Convenience sampling, a type of non-probability sampling technique, was used in the study 17. The study sample was composed of 300 nurses who volunteered to participate in the study after informed about the study. The questionnaires used to collect the data were distributed to nurses who were present at the hospital and volunteered to participate in the study between August and September 2019. We removed the questionnaires with missing data, so the data were collected from a total of 269 nurses.

Instruments

The data were collected using sociodemographic information form developed by researchers to determine phenomenological (personal and professional) characteristics of nurses, the Dutch Work Addiction Scale (DUWAS), Intrinsic Motivation Scale, and Coaching Behavior Scale. We used four instruments with a total of 39 items to collect data.

Sociodemographic information form: It is developed by researchers, and consists of 8 items about nurses' personal and professional characteristics.

Motivation Scale (MS): The Motivation Scale (MS) was developed by Dündar, Özutku, and Taşpınar (2007) based on the study by Mottaz (1985). The MS consists of 24 items, 9 of which measure intrinsic motivation. It is a 5-point Likert scale: 1 strongly disagree, 2 disagree, 3 neutral, 4 agree, 5 strongly

agree.

The Dutch Work Addiction Scale (DUWAS): The DUWAS is a 14-item two-factor scale developed by Schaufeli, Taris, and Bakker (2006) to measure work addiction. Doğan and Tel (Jacobs, 2018). adapted the scale into Turkish. The scale includes two subscales, "working excessively" consisting of 9 items (e.g., "I spend more time working than on other activities", and "I feel in a hurry and racing against the clock"), and "working compulsively" consisting of 4 items (e.g., "I feel that there is something inside me that drives me to work hard"). The Turkish version of the DUWAS is scored on a 5-point Likert scale (1 never, 2 rarely, 3 sometimes, 4 often, 5 always).

Coaching Behavior: To measure coaching behavior, we used Coaching Behavior Scale (CBS) which is an 8-item one-dimension scale developed by Ellinger, Ellinger, and Keller (2003) and adapted into Turkish by Kalkavan (2014). The Turkish version of the CBS is scored on a 5-point Likert scale (1 strongly disagree, 2 disagree, 3 neutral, 4 agree, 5 strongly agree).

Data Analysis

The data were analyzed using SPSS version 20. Non-normally distributed variables were presented as median (minimum and maximum). When comparing the mean scale scores of the nurses according to their personal and professional characteristics, we used Mann-Whitney U-test to compare two groups, and the Kruskal-Wallis test to compare more than two groups. The level of statistical significance was determined as p<0.05. We used Sobel test to investigate the mediating role among the variables. Sobel (1982) tests the significance of the indirect effect of an independent variable to a dependent variable through a mediator variable. Sobel's mediation model can be used to test complex models (Baron & Kenny, 1986).

Ethical Aspect of the Study

Approval for the study was obtained from Lokman Hekim University Non-Interventional Clinical Research Ethics Committee (Decision number 2019/25 and Code no: 2019014). Written permission was obtained from the hospital administrations where the study was conducted. The nurses invited to the study were informed about the study, and those who gave consent that they were volunteers were included in the study. Nurses' credentials were not written on the data collection forms.

RESULTS

Table 1 presents the number and percent distribution of nurses by sociodemographic characteristics.

Table 1. Number and percent distribution of nurses by sociodemographic characteristics

Variables	Number (n)	Percent (%)	
Gender			
Female	232	86,25	
Male	37	13,75	
Marital Status			
Married	173	64,31	
Single	96	35,69	
Age	34,96	±8,37	
Education Level			
Vocational High School (VHS)	47	17,47	
Associate Degree	44	16,36	
University	164	60,97	
Master Degree	14	5,20	
Monthly Income (TRY)			
1000-2000	20	7,43	
2001-3000	32	11,90	
3001-4000	129	47,96	
4001-5000	77	28,62	
5001 and higher	11	4,09	
Units			
Emergency department	26	9,67	
Operating room	36	13,38	
Surgical unit	33	12,27	
Medical unit	84	31,23	
Outpatient clinic	30	11,15	
Intensive care unit	60	22,30	
Years of work experience			
1-5	72	26,77	
6-10	62	23,05	
11-15	39	14,50	
16-20	30	11,15	
20-25	40	14,87	
26 years and longer	26	9,67	

A total of 269 nurses participated in the study. Most of them were female (86,25%). The mean age was 34,96±8,37 years. More than half of the participants were married (64,31%). Of the nurses, 60,97% graduated from university, 17,47% graduated from vocational high school, 16,36% had an associate's degree, and 5,20% had a master's degree. The number distribution of the nurses by units were as follows; 26 (11,11%) nurses were working at emergency department, 36 (13,38%) at operating room, 33 (31,23%) at surgical unit, 84 (31,23%) at

medical unit, 30 (11,15%) at an outpatient clinic and 60 (22,30%) at intensive care unit. Nurses who had 1-5 (n=72, 26,77%) and 6-10 (n=62, 23,05%) years of work experience constituted almost half of the participants

Table 2 presents the mean values, standard deviations, and Cronbach alpha coefficients for all measures.

Table 2. Descriptive Statistics and Reliabilities (N=269)

	N	Mean	Min.	Max.	S.D.	Cron. Alpha-α
The Dutch Work Addiction Scale (DUWAS)	14	3,26	1,00	5,00	0,72	0,877
Working excessively (WE)	9	3,18	1,00	5,00	0,74	0,780
Working compulsively (WC)	4	3,37	1,00	5,00	0,80	0,789
Coaching Behavior Scale (CBS)	8	2,89	1,00	5,00	1,02	0,928
Intrinsic Motivation Scale (IMS)	9	3,86	1,00	5,00	0,78	0,852

Table 2 shows Cronbach alpha coefficients for the scales. The DUWAS, the CBS, and the IMS showed good reliability with Cronbach's of 0,877, 0,928, and 0,852, respectively. Cronbach's alphas for the subscales WE and WC were 0,780 and 0,789, respectively, which showed that the subscales were

fairly reliable.

The mean DUWAS total score of the nurses was $3,26\pm0,72$. The mean WE score was $3,18\pm0,74$, and the mean WC score was $3,37\pm0,80$. The mean CBS score was $2,89\pm1,02$, and the mean IMS score was $3,86\pm0,78$ for the participants.

Table 3. Distribution of the mean scores for the scales by sociodemographic characteristics

	The DUWAS		Working Exc	cessively	Working Con	pulsively	Coaching Beha	vior Scale	Intrinsic Motiva	ntion Scale
Variables	Mean±SD	Test score and p- value	Mean±SD	Test score and p- value	Mean±SD	Test score and p- value	Mean±SD	Test score and p- value	Mean±SD	Test score and p- value
Gender Female Male	3,29±0,73 3,05±0,63	t=1,875 p=0,062	3,20±0,74 3,05±0,69	t=1,109 p=0,269	3,50 (1,00-5,00) 3,17 (2,00-4,00)	z=-2,890 p=0,004	3,00 (1,00-5,00) 3,00 (1,00-4,00)	z=-0,724 p=0,469	4,00 (1,00-5,00) 4,00 (2,00-5,00)	z=-1,110 p=0,267
Marital Status Married Single	3,27±0,70 3,23±0,75	t=0,455 p=0,649	3,25 (1,00-5,00) 3,00 (1,00-5,00)	z=-0,696 p=0,486	3,50 (1,00-5,00) 3,42 (1,00-5,00)	z=-0,171 p=0,864	3,00 (1,00-5,00) 3,00 (1,00-5,00)	z=-0,152 p=0,879	4,00 (1,00-5,00) 4,00 (1,00-5,00)	z=-0,808 p=0,419
Age	r=0,193 p=	0,001	r=0,163 p=	=0,008	r=0,208 p=	=0,001	r=0,027 p=	0,664	r=-0,046 p=	0,452
Educational Level VHS Associate degree University Master degree Units	3,14 (1,00-5,00) 3,61 (2,00-5,00) 3,29 (1,00-5,00) 2,93 (2,00-4,00)	K=6,500 p=0,090	3,15±0,70 3,44±0,75 3,13±0,73 2,98±0,76	F=2,559 p=0,056	3,33 (1,00-5,00) 3,50 (2,00-5,00) 3,50 (1,00-5,00) 3,00 (2,00-4,00)	K=6,136 p=0,105	3,00 (1,00-4,00) 3,00 (1,00-5,00) 3,00 (1,00-5,00) 3,00 (1,00-5,00)	K=4,886 p=0,180	4,00 (1,00-5,00) 4,00 (1,00-5,00) 4,00 (1,00-5,00) 4,00 (3,00-5,00)	K=0,730 p=0,866
Emergency department Operating room Surgical unit Medical unit Outpatient clinic Intensive care	3,15±0,66 3,31±0,77 3,16±0,62 3,31±0,76 3,28±0,69 3,25±0,74	F=0,375 p=0,866	3,17±0,64 3,17±0,78 3,03±0,63 3,21±0,81 3,22±0,71 3,19±0,73	F=0,296 p=0,915	3,25 (1,00-5,00) 3,67 (2,00-5,00) 3,50 (1,00-5,00) 3,33 (2,00-5,00) 3,67 (2,00-5,00) 3,33 (2,00-5,00)	K=5,327 p=0,377	3,00 (1,00-4,00) 3,00 (1,00-5,00) 3,00 (1,00-5,00) 3,00 (1,00-5,00) 3,00 (1,00-5,00) 3,00 (1,00-4,00)	K=4,552 p=0,473	4,00 (2,00-5,00) 4,00 (1,00-5,00) 4,00 (1,00-5,00) 4,00 (2,00-5,00) 4,00 (2,00-5,00) 4,00 (1,00-5,00)	K=7,452 p=0,189
unit Years of Work Experience 1-5 years 6-10 years 11-15 years 16-20 years 20-25 years 26 years and longer	$3,08\pm0,76^{a,b,c}$ $3,27\pm0,64$ $3,12\pm0,66$ $3,45\pm0,64^{a}$ $3,41\pm0,79^{b}$ $3,47\pm0,77^{c}$	F=2,387 p=0,039	3,05±0,78 3,15±0,68 3,06±0,61 3,42±0,68 3,29±0,82 3,3±0,81	F=1,639 p=0,150	3,17 (1,00-5,00) ^a 3,50 (2,00-5,00) 3,33 (2,00-5,00) 3,67 (2,00-5,00) 3,58 (2,00-5,00) ^a 3,83 (2,00-5,00) ^a	K=14,634 p=0,012	3,00 (1,00-5,00) 3,00 (1,00-5,00) 3,00 (1,00-5,00) 3,00 (1,00-4,00) 3,00 (1,00-5,00) 3,00 (1,00-4,00)	K=4,789 p=0,442	4,00 (2,00-5,00) 4,00 (2,00-5,00) 4,00 (1,00-5,00) 4,00 (2,00-5,00) 4,00 (1,00-5,00) 4,00 (2,00-5,00)	K=3,282 p=0,657

*Non-normally distributed variables were reported as median (minimum-maximum). t: the independent samples t-test, z= z score of Mann Whitney U test, K= Kruskal Wallis test score, F: The one-way analysis of variance F statistic. The group means differed significantly

were shown by the same superscript letter.

When analyzing the mean scores for the scales DUWAS, "coaching behavior" and "intrinsic motivation" and on the subscales "working excessively" and "working compulsively" according to sociodemographic characteristics, we found no difference in the mean total and subscale scores according to age group, gender, educational level and units (p>0,05). However, there was a significant difference in the mean score of the subscale "working compulsively" according to gender (p<0,05). The mean "working compulsively" score in the male sample was significantly lower than that in the female sample (z=-2,890 p=0,004).

There was no linear correlation between age and the scores on "coaching behavior" and "intrinsic motivation" (p>0,05). On the other hand, age showed

a weak positive linear correlation with the scores on the DUWAS, "working excessively" and "working compulsively" (r=0,193, r=0,163, r=0,208respectively, p<0,05). Although there was no difference in the mean DUWAS scores according to years of experience, the nurses with 1-5 years of experience had a lower mean DUWAS score $(3,08\pm0,76)$ than those with 16-20, 21-25, and 26 and above years of work experience (F=2,387 p=0,039). Also, the "working compulsively" score of the nurses with 1-5 years of experience (3,17(1,00-5,00) was lower than that for those with 26 and above years of experience (3,83(2,00-5,00) (K=14,634 p=0,012); however, no difference was found in the mean "working compulsively" scores according to years of experience.

Table 4. Correlation among the scales

		Working	Working	Coaching	Intrinsic
The Scales	DUWAS	Excessively	Compulsively	Behavior	Motivation
		(WE)	(WC)	(CBS)	(IMS)
DUWAS	1,000				
Working Excessively (WE)	0,955	1,000			
Working Compulsively (WC)	0,932	0,782	1,000		
Coaching Behavior (CBS)	0,243	0,255	0,198	1,000	
Intrinsic Motivation (IMS)	0,148	0,115	0,170	0,140	1,000

As presented in Table 4, the DUWAS had a weak positive linear correlation with the CBS and the IMS (r=0,243, r=0,148, respectively, p<0,05). There was a weak positive linear correlation between the subscale

WE and the CBS (r=0,255 p<0,05). In addition, the

subscale WC had a weak positive linear correlation with the CBS and the IMS (r=0,198, r=0,170, respectively, p<0,05). And lastly, there was a weak positive linear correlation between the CBS and the IMS (r=0,140 p<0,05).

Table 5. Prediction of the dependent variable DUWAS from the CBS and the IMS

Variables	В	Std. Error	β	t	p	Tolerance	VIF
Intrinsic motivation	0,107	0,055	0,116	1,944	0,053	0,980	1,020
Coaching behavior	0,161	0,042	0,227	3,799	<0,001	0,980	1,020
	R2=0,072	Adj. R2=0,065	F=10,345	p<0,001	Durbin Watson=2,007		

Table 5 demonstrates regression analysis predicting the dependent variable DUWAS from the independent variables "coaching behavior" and "intrinsic motivation".

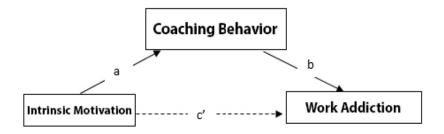


Figure 1. The Study Model

Figure 1 demonstrates the relationship between intstric motivation, coaching behaviour, work addiction.

We found that the CBS and the IMS explained 6,50% of the variability in the DUWAS, and the model was significant (F=10,345, p<0,001).

Table 6. The mediating role of coaching behavior in the effects of intrinsic motivation on work addiction

Steps	Independent Variables	Dependent Variables	В	β(p)	t	Adj. R2	F	p
Step 1	Intrinsic Motivation	Work Addiction	0,136	0,148(0,015)	2,441	0,022	5,957	0,015
Step 2	Intrinsic Motivation	Coaching Behavior	0,182	0,140(0,021)	2,315	0,019	5,36	0,021
Step 3	Intrinsic Motivation	Work Addiction	0,107	0,116(0,053)	1,943	0,072	10,346	<0,001
	Coaching Behavior	Work Addiction	0,161	0,227(<0,001)	3,799			

Table 6 shows the mediation effect of coaching behavior on the relationship between intrinsic motivation and work addiction. In the relationship between intrinsic motivation and work addiction, B value was lower at step 3 (B=0,107) than that at step 1 (B=0,136). β value was significant at step 1 (p=0,015); however, it was not significant at step 3 (p=0,053). According to these results, coaching

behavior was found to have a full mediation effect on the relationship between intrinsic motivation and work addiction. The full mediation effect of coaching behavior on the relationship between intrinsic motivation and work addiction was tested using the Sobel test. The result of the test indicated that coaching behavior was a full mediator in this model (z=1,72 p=0.04).

DISCUSSION

This study investigated the mediating role of coaching behavior in the relationship between intrinsic motivation and work addiction among nurses. According to our results, the mean IMS score of the nurses was slightly higher than the middle level, 3,86±0,78. Intrinsically motivated activities are performed willingly without enforcement or a reward. In other words, when people value an activity personally or consider it significant, their motivation for engaging in this activity is intrinsic (Ryan & Deci, 2000). The profession of nursing involves emotional relationships, such as providing patient care by showing love and affection, by its nature. It is argued, accordingly, that if intrinsic motivation plays a crucial role in the decision of becoming a nurse and in the development of work commitment (Wang et al., 2019). In the results of our study, the nurses' scores on the DUWAS, and the subscales WE and WC were found higher than the middle level; 3,26±0,72, $3,18\pm0,74$, and $3,37\pm0,80$, respectively. Working conditions of the profession may require nurses to work both excessively and compulsively. Nurses have a heavy workload, and the conditions such as working in shifts, night shifts, disagreements with patients, patient relatives, colleagues, and other health care professionals, occupational diseases, the experience of excessive work-related stress dueted emergency harder for them. It has been reported that workaholic employees experience many damaging outcomes such as low job satisfaction, burnout, work overload, and high, levels of health complaints (van Beek et al., 2012). However, it has been suggested that coaching can reduce mega outcomes such as occupational diseases, burnout an,d work stress, and improve job satisfaction and organizational commitment (Demerouti & Bakker, 2011).

In our study, the mean CBS score of the nurses was close to the middle level, 2,89±1,02. One of the factors that are useful in improving the coping skills of health care professionals is coaching behavior.

Coaching behavior is a useful strategy for it encourages employees to transform learning into action, and involves teams in the improvement of patient care, and develops the basis of effective leadership (Hugill et al., 2018). Mau et al. (2020) have revealed that coaching intervention increases caring behavior among nurses. And it is also observed that patient satisfaction is higher for patients receiving care from the nurse group who got coaching intervention. In our study, whereas there was no difference in the mean scores on the scales IMS, CBS DUWAS according to sociodemographic characteristics of the nurses (p>0,05), there was a significant difference in the mean DUWAS score according to years of work experience (F=2,387 p=0,039). The mean DUWAS score of the nurses with 1-5 years of experience (3,08±0,76) was lower than that of those with 15 and above years of experience. In compliance with our results, other studies have also reported that there is no difference in work addiction according to the sociodemographic characteristics of participants (Burke et al., 2006; Spence & Robbins, 1992). According to the results of correlation among the scales, there was a weak, positive, linear relationship between the DUWAS and the CBS, and the IMS (r=0.243, r=0.148, respectively, p<0.05). These results have led us to conclude that there is a positive relationship between "intrinsic motivation", which refers to eagerness, interest and job satisfaction, and "work addiction", which involves work overload

and "coaching behavior". In contrast with our results, a study conducted with 544 nurses by Van Beek et al. (2011) have revealed a negative relationship between intrinsic motivation and work addiction and indicated that work addiction has a negative relationship with intrinsic motivation among nurses.

Besides, we found a weak, positive, linear relationship between the subscale WE and the CBS (r=0,255 p<0,05), and a weak, positive, linear relationship between the subscale WE and the CBS, and the IMS (r=0,198, r=0,170, respectively, p<0,05). There was a weak, positive, linear relationship between the CBS and the IMS likewise (r=0,140 p<0,05). We suggest that coaching behavior may help health care professionals enhance their skills, improve their performances, and maximize their potential, who work in an industry that is becoming increasingly competitive and highly stressful. We found that the CBS and the IMS explained 6,50% of the variability in the DUWAS, and the model was significant (F=10,345, p<0,001).

The result of structural equation modeling we used has revealed that coaching behavior fully mediates the effect of intrinsic motivation on work addiction.

Limitations

The data are limited to the opinions of nurses working at the hospital in Ankara where the study was carried out.

CONCLUSION AND RECOMMENDATIONS

This study investigated the relationship between work addiction, intrinsic motivation, and coaching behavior. Nursing has a complex structure including a variety of cognitive processes and behavioral abilities to protect and improve the health of individuals, families, and communities. It is a well-known fact that because of the heavy workload due to having great responsibility for maintaining the continuity of health services, nurses work excessively. Providing health care requires full commitment and attention. Thus, it is significant to increase motivation among health care workers. In our study, we found a positive relationship between working excessively and coaching behavior as well as between coaching behavior and intrinsic motivation. Coaching behavior had a positive effect on employee attitude. This situation may be interpreted as coaching behavior play that s an effective role in achieving organizational success as well as in improving job satisfaction and motivation among employees. Therefore, enhancing the coaching skills of nurse managers may be useful in improving the quality of patient care and increasing patient satisfaction.

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Ethic Approval The study was approved by the Non-Invasive Research Ethics Committee of Lokman Hekim University (issue no:2019/06, code no:2019014). Participating nurses were informed about the study, and written informed consent was obtained.

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Authorship Statement As the authors of this paper, we have declared that they all have made a substantial contribution to the information or material submitted for the publication and we have approved the final version of this manuscript.

Contribution of Authors: N.B. and I.S. conceived and designed the study. N.B. collected data. N.B and I.S. wrote/drafted/edited the manuscript and interpreted the results. All authors approved the content of this manuscript.

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