

PAPER DETAILS

TITLE: Çalışanların Algıladığı ve Hissettiği Stres: Atilgan Çatışma Yönetimi Stilinin Düzenleyici Etkisi

AUTHORS: Serkan EREBAK

PAGES: 48-66

ORIGINAL PDF URL: <https://dergipark.org.tr/tr/download/article-file/255196>



Perceived Work Stress and Felt Stress of Workers: The Moderating Role of Assertive Conflict Handling Modes

Serkan Erebak
Marmara University

ARTICLE INFO

Article history:
Received 12.09.2016
Received in revised form
12.12.2016
Accepted 12.16.2016

Key Words: Conflict, Stress, Assertiveness, Caregiving

ABSTRACT

Objectives: We intend to examine whether high or low assertive conflict handling modes can moderate the relationship between stress perception and felt stress at workplace.
Methods: The sample is consisted of 225 caregiving staff who works in a nursing home. The staff's conflict handling modes were determined and the scores of perceived and felt stress were obtained through survey method.
Results: Findings showed that high assertive conflict handling modes, but not the low one, can be a moderator between stress perception and felt stress at workplace.
Originality: Assertiveness may help to cope with stress better at nursing homes by reducing the stress perception and felt stress of caregivers.

Çalışanların Algıladığı ve Hissettiği Stres: Atılgan Çatışma Yönetimi Stilinin Düzenleyici Etkisi

Serkan Erebak
Marmara Üniversitesi

MAKALE BİLGİSİ

Makale Tarihçesi:
Başvuru 09.12.2016
Revizyon 12.12.2016
Kabul 16.12.2016

Anahtar Kelimeler: Çatışma, Stres, Atılganlık, Bakım

ÖZ

Amaç: Bu araştırmada, yüksek veya düşük atılganlık seviyelerinin iş yerinde algılanan ve hissedilen stres arasında düzenleyici etkisinin olup olmadığı incelenmektedir.
Yöntem/Tasarım: Örneklem, huzurevinde çalışan 225 bakım personelinin oluşmaktadır. Anket yöntemi uygulanarak toplanan bilgilerle, çalışanların çatışma yönetim stilleri belirlenmiş ve iş yerinde algıladıkları ve hissettikleri stres düzeyleri tespit edilmiştir.
Sonuçlar: Bulgular yüksek atılganlık seviyesinin iş yerinde algılanan ve hissedilen stres arasında düzenleyici etkisi olduğunu göstermiştir. Ancak benzer sonuç düşük atılganlık seviyesinde bulunamamıştır.
Özgün Değer: Algılanan stresi ve hissedilen stresi azaltmasından dolayı atılganlığın stresle daha iyi başa çıkma konusunda huzurevlerindeki bakım personeline yararlı olacağı düşünülmektedir.

1. Introduction

In today's work life, people spend most of their time at workplace where the nature of the environment requires interaction with people and this in return may result in some problems. To eliminate continuity of these problems and their negative outcomes, it is vital to focus on workplace environment. The well-being of the employees at workplace is largely influenced by the work stress which can be defined as the loss of control of the individual over his performance for work (Anderson & Pulich, 2001). It means that, knowledge, skill and ability of the person become not enough for the demands of the work. This situation suggests the availability of stressors which may show themselves under three dimensions; job related demands, role demands and group related demands (Anderson & Pulich, 2001). Job related demands may contain work overload, change, lack of control or autonomy and others. Role demands involve the stressors such as role conflict and role ambiguity. Group related demands usually reveal when interdependencies in groups arise. These workplace stressors may trigger individual responses which can be classified as physical, psychological, emotional, behavioral, and cognitive (Roberts et al., 1997; Britt & Jex, 2015). In physical responses, the individual may experience high blood pressure, perspiration, headache, cancer, and even death. Psychological and emotional responses involve aggression, anxiety, depression, fear, psychosis and many others. Behaviorally, the person may indicate overeating, substance abuse, dangerous behaviors, even may suicide. Cognitively, attention deficit, over sensitivity to criticism, decrease in concentration, difficulties in decision making may be given as an example. High absenteeism, alienation to co-workers, job dissatisfaction, and decrease in organizational commitment may be counted as organizational basis responses. As negative work stress has several impacts on individual (McVicar, 2003), the organization is also under the risk of being affected. Reduction in productivity may result in defective production, reduced quantity and quality of the products. Moreover, many communicational problems may occur with customers and other organizations.

The health care sector is one of the most stressful workplace environment (Anderson & Pulich, 2001) where the work overload, interpersonal problems, and intense care patients can be given as most common stressors (Duquette et al, 1995). Stress factors that negatively influence health care givers can be listed as giving health care to patients who are in their terminal term, insufficient equipment, work overload, conflicts with co-workers, insufficient performance appraisal mechanism, uncertainty, angry and over demanding patients (Chang et al, 2006) and similarly these stressors are seen in nursing homes which is one of the branches of health care sector. For example, in the nursing home where the present study was done, every resident has at least one disease which requires permanent health care. In health care workplace environment, caregiving staffs take a special position that puts them in a high potential stressful situation. Because that profession requires the ability to work as a teammate, responsibility of giving care during 24 hours and ability to stay emotionally strong (Philips & Brooks, 1996). However, stating only a few factors that determine the degree of these staff's distress does not provide enough explanation about the issue. For example, one of the prominent stress factors in that profession is the intense shift working that negatively influences their social life in return. The shortage of staff increases the work much more that influence (Philips & Brooks, 1996). Furthermore, with various stressors, healthcare organizations show a unique characteristic: various professions have to work in cooperation, the service has vital importance for patients, time management is a requirement, several different technical equipment is used and interaction with many people is prerequisite (Chang et al, 2006). This characteristic makes the healthcare organizations have a workplace environment where conflicts are seen very often. In these kinds of organizations, different management styles, high demands, high distress cause conflicts particularly in healthcare professionals (Harrison et al, 2002). The increase in these conflicts affects the caregiving quality and also causes high turnover of the staff. This problem may result in waste of money and damage of the work process.

The aim of this research is to examine the felt stress of the caregiving staffs who work at a nursing home while taking the organizational stressors at workplace into consideration. The conflict modes of the staff are thought as a potential moderator between stress perception and the felt stress at workplace; and, it will be utilized to test the following model:

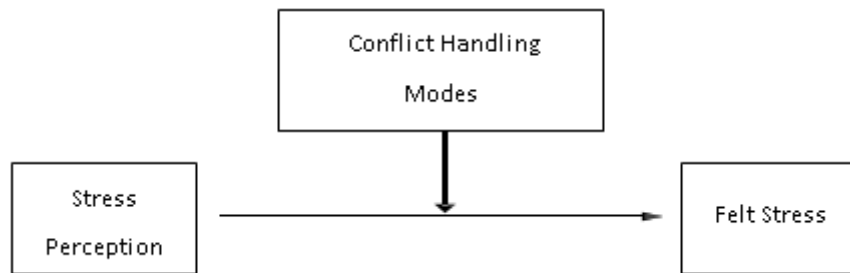


Figure 1 The Research Model

In the development of theories for psychological perspectives about organizations, there is a tendency to make an assumption that stress factors trigger same responses for all people (Spector, 1982). In our research, we are adding conflict handling modes into our model, and we predict that there is a subjectivity of giving meaning to organizational stress factors and feeling the stress differs among caregiving staff. The theoretical explanations for the proposed model will be indicated in the following literature review. After that, the theoretical foundations will reveal some proposed hypotheses.

2. Literature Review

2.1. Stress Perception and Felt Stress

Stress is one of the most common terms which is used in daily conversations very often (Britt & Jex, 2015). Although, stress is becoming more and more familiar to society with a simple negative meaning, its complex and multi-angular structure should be defined separately. In a broad perspective, stress can be seen as a cycle which contains internal or external factors (stressors) that cause physical, cognitive, behavioral or emotional reactions (responses) and impact (strain) and force the person to cope (coping) with them (Brehm, 1998). While this concept is scrutinized by several studies, there reveals some approaches and models. Approaches to stress can be divided into four angles as stimulus based, response based, interactional and transactional (Babatunde, 2013). In stimulus based approach, stress is defined with the all physical, psychological and social factors that cause tension in people (Kahn, 1986, p. 42). Life changing events, natural disasters, and difficult work conditions can be shown as normative stress factors that influence each individual and result in same readjustment needs. In response based approach, the focus is on the physical, cognitive, behavioral or emotional reactions which are caused by stressors. The defense response involves three steps; first, when the person notices the stressor, the alarm stage activates; after that activation, resistance occurs and the person gives responses; after these defense responses, the person gets exhausted (Selye, 1983, p. 4). The interactional approach takes attention to the relationship between the stimulus and the response in a statistical way (Richard & Krieschok, 1989). The aim is to find possible correlation and possible moderator effects on that relationship. The final approach to stress is the transactional one which concentrates on the transaction between the individual and the environment that surrounds him. That means, when the person encounters an event, the type and the intensity of the response depends on the person's adaptation to his environment (Folkman & Lazarus, 1988a, 1988b). In that approach, person's perception and appraisal of the stressor determines the characteristic of the stress.

As a part of this process, the person chooses the coping style and applies to it (Folkman & Lazarus, 1988a, 1988b). Keeping well-being, staying healthy and having motivation and a good work performance mostly

depends on the degree of the stress. High degree of stress may result in burnout while low degree of stress may result in underproduction and underperformance. The process which starts from eustress (positive stress) and enters to distress (negative stress) is a subjective continuum mostly depends on the interaction between the person and the environment surrounding him (McVicar, 2003). Therefore, the strength of the factors that negatively affect the person can be shaped by the individual's perception. Work stress appears when the stressors at work start to interact with the individual and influence her psychological or physical well-being and in this process the meaning given by an employee to work stressors is called as stress perception (Folkman & Lazarus, 1988a, 1988b). Changing psychological state of the person as a result of stress perception can be called as felt stress. People may perceive stress differently from one workplace to another and even in the same workplace environment the degree of distress varies from person to person (Folkman & Lazarus, 1988a). The stress at workplace seems to have three major aspects playing their roles. First one is the workplace environment where the stress occurs. Second one is the demands of the individual which are the results of his perception of the workplace environment. Thirdly, physiological, psychological, behavioral and emotional responses of the individual according the situation reveal and these three interdependent factors form the stress cycle at the workplace (Brehm, 1998, pp. 1-2).

To analyze work stress, some important factors should also be scrutinized (Levi, 1981). These are the characteristics of the work in terms of quantity and quality; and the degree of control and freedom of decision making that the employee has over the work which is called as job control (Karasek et al., 1981). The characteristics of work quality include: role conflict, when expected behaviors by others are not consistent at workplace (Travers & Cooper, 1993), role ambiguity, when the individual is not given enough information about her role at work (Kahn et al., 1964), and interpersonal communication problems (Cooper & Marshall, 1976) which may also cause to the work stress. The characteristics of work quantity contain work overload that is forcing the employee to work beyond his/her physical or psychological capacity, also appears to have positive relationship with health problems (Sonnenberg, 1986) and psychological strain (Caplan et al, 1980). Moreover, Caplan and his colleagues (1980) state that particularly blue colored workers have very low degree of job control. If the employee's job control is broadened, psychological strain which is a result of passive role of the individual will be decreased and usability of the personal skills and knowledge will be risen (Karasek et al., 1981). Besides, the relationship between stress and health of the employee is also affected the employee's job control (Karmaus, 1984). In addition to these factors, the risk of experiencing dangerous situations in the workplace environment, general physical environment of the workplace, conflicts in the organization, and the job development procedures are indicated as other possible stress factors (Cooper & Marshall, 1976). The complexity of the job and the underemployment which involves the use of employees' skills, abilities and knowledge under their potential, cause stress and health symptoms (Spillane, 1984).

To comprehend how caregiving staffs for the elderly feel stress can give us a better understanding to control its outcomes. In this research, we deal with how assertive conflict modes might influence caregiving staff's stress perception and felt stress. So, first of all, it is necessary to understand the relationship between stress perception and felt stress at workplace. Therefore, it is hypothesized that:

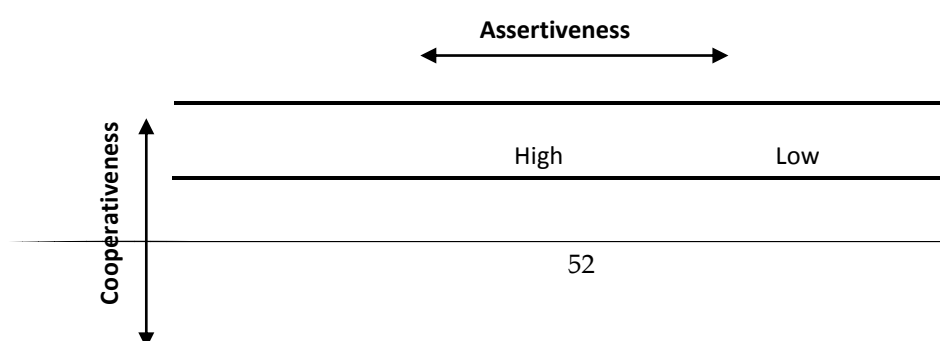
Hypothesis 1: There is a positive relationship between caregiving staff's stress perception and felt stress.

2.2. Conflict Handling Modes

In a situation where at least two people have similar goals but have limited resources, there reveal a struggle while these people try to achieve their goals. This situation is named as conflict (Rahim, 2000). In conflict times, individual has his own form of behavior that he exhibits to other people with whom he has a conflict (Rahim, 2000). The individual's own way to respond to the conflict is known as conflict handling modes. Particularly, at

workplace individuals spend time and interact with other workers (Friedman et al, 2000). This situation causes many conflicts; so, individuals should learn how to solve the problems under various conditions and situations (Munz et al, 2001). If the conflicts are not solved in appropriate time, that creates distress on individuals and influence their healthy decision making mechanisms (Hyde et al, 2006). Decision making and thinking in an unhealthy way may make the individual having more problems in workplace environment (Munz et al, 2001). Ineffective conflict management practices result in inappropriate use of the limited resources and increased stress levels (Hyde et al, 2006). Conflict has several negative outcomes (Hatfield & Hatfield, 1995). Conflicted parties may damage each other's psychological and physiological well beings. Wasted time and monetary funds, low levels of motivation and work satisfaction are some of the negative outcomes.

Individuals who work at the same workplace may have many interpersonal conflicts (Hyde et al, 2006). However individuals' style of approaching conflicts may differ person to person (Friedman et al, 2000). These styles were researched and the responses for each style were grouped. In most of the studies there are seen three main models to differentiate the styles (Patricia & Valentine, 1995). Although, these models are studied by different parties they have similar names and approaches to the issue. In our research Thomas and Kilmann's model of conflict handling modes will be used. These conflict handling modes are stated as competing, collaborating, compromising, avoiding, and accommodating across two dimensions: assertiveness and cooperativeness (Thomas & Kilmann, 1975) (see Figure 2). Collaboration is the approach of the individual to solve the conflict while considering both parties' concern. It is mostly formed with empathy and open communication that aims assertive situation which also requires high cooperation between the parties (Hatfield & Hatfield, 1995). In this mode, decision making with systematic approach is generally used. The main point in collaboration is that there can be found shared points in spite of the differences among people. The aim is not to decide on whether any party is right or wrong, but to solve the problem (Hatfield & Hatfield, 1995). Collaboration contributes more positive outcomes (Friedman et al, 2000). It gives individual the sense of belongings to the organization, higher work performance and satisfaction. In accommodating mode, individuals tend to abandon their goals in order to keep positive relations with the other party. The other party's concern is more important than the self-concern (Thomas & Kilmann, 1975). Individuals who have this mode perceive the conflict situation in a negative way and the continuity of the relationship with submission is seen as a best way to end the conflict (Friedman et al, 2000) in an unassertive but cooperative manner (Thomas & Kilmann, 1975). However with an assertive but uncooperative manner, an individual uses the competing mode in conflict situations, puts his own concerns in a high position. This approach may increase the intensity of the conflict rather than to solve the problem (Friedman et al, 2000); however, stating the personal desires may have positive contributions to the individual as well. Another approach is to expect each party's sacrifice their own concerns and compromise on the conflict. Compromising style may bring temporary solution to the conflict, however in the long term the conflict may revive again, and this can cause long term stress problem. In addition, this mode is generally used when people in the conflict think that their power is equal (Rahim, 1983a). Nonetheless, in conflict situations even though compromising is not the most effective way, it can soften the organizational climate among the individuals. In another style, when conflict occurs some individuals pretend not to see the conflict (Friedman et al, 2000). Decisions are usually delayed and unassertive-uncooperative approach reveals. Avoiding mode may be useful in cases when the goals that cause conflict are not important enough and there is strong need to save the energy and time. This mode usually revives when the conflict is with the superior (Rahim, 1983a)



High	Collaborating	Accommodating
Low	Competing	Avoiding

Figure 2 Two dimensional model of conflict handling modes (Thomas & Kilmann, 1975)

While the conflicts at the workplace are increasing, the conflict handling modes of the individuals play a very important role in the solution of these conflicts (Friedman et al, 2000). Particularly, in healthcare organizations where caregivers also work, the continuity of conflicts damages the workplace environment, and that may negatively affect physiological and psychological wellbeing (Patricia & Valentine, 1995). These conflicts may result in turnover, absenteeism, low cooperation and unproductiveness. In healthcare organizations individuals who experience conflicts, also perceive distress. Because of this distress, healthcare professionals show many psychosomatic symptoms (Harrison et al, 2002). However, if conflicts at the workplace are managed successfully, the negative conditions may be changed into more positive ones such as high motivation, work satisfaction, the sense of success (Rahim, 2000). Therefore, using appropriate conflict handling modes may result in lower stress whether it directly effects or not.

2.3. Conflict Handling Modes as a Moderator

Theoretically, conflict handling modes were influenced by Blake and Mouton's (1964) research (Kilmann & Thomas, 1977). Their research was built on two main dimensions of conflict handling modes. One of them is "the desire to satisfy person's own concern" and the other one is "the desire to satisfy other's concern" (Thomas, 1976). These researchers state that the personal conflict mode has some degree between these dimensions. However, that raises a question: is there really a conflict mode that every person has? If these conceptions are accepted, the view that conflict modes of the individuals can't be changed easily and are very stable should be accepted as well (Pruitt, 1983). Not surprisingly, some researchers usually label them as a strategy or intention. Therefore, the bias that focusing on conflict modes as unchanging personal characteristic, will be eliminated. Particularly, at workplace the person's conflict mode can be changed according to other people's social status or positions (Rahim, 2000). This indicates that the situational factors may shape the preferred conflict mode. However, the personality characteristics of individuals shouldn't be ignored. For example, according to a study agreeableness may influence the conflict modes (Graziano et al., 1996). According to Barry and Friedman (1998), big five personality characteristics and their outcomes are closely associated with conflict handling modes. It can be inferred that personality traits are in a relationship with conflict styles. Furthermore, while considering stress factors, according to the transactional view, stress appears as a result of the interaction between the person and the environment. That means it is not produced just by one side. In line with this view, the term, appraisal, has a significant role. For example in a workplace appraisal situation, the person gives meanings to the job and the workplace environment. After that, the individual focuses on the relationship between these two parties (Lazarus, 1991). This cognitive appraisal forms the association between the person and environment. Cognitive appraisal consists of two main processes. First process involves, the perception of the individual about the situation or the event and the importance that individual gives to them. In the second process, the person thinks how to cope with that situation or event. The main idea of these processes is to find to what degree the individual has control and coping mechanism to get over them (Folkman & Lazarus, 1980). In the first process, the person may not see the stressors as important; however, in the second process she can use her conflict handling mode to cope. For example, conflicts can be seen as a stressor (McGrath, 1976) and the conflict handling mode of the person may determine to what degree the person exposes to the stressors (Friedman et al., 2000). So, the conflict

handling mode influences the intensity of the stressor as being a coping source, and determines the degree of the exposure.

As it is stated above, conflict handling modes have two dimensions: assertiveness and cooperativeness. To our predictions, it is plausible to say that assertiveness is one of the important factors that affects workplace stress coping. People who have high assertiveness can state their positions. Therefore, that gives them a sense of control and influence on the environment. However, people who have low assertiveness, do not talk about their concerns and take a passive position with a sense that they don't have control over the environment.

The research shows that people who are highly assertive have coping sources against the stressors; however, people who are low assertive do not have this coping source (Luthar, 1991; Elliott & Gramling, 1990). Similar studies revealed the negative relationship of mastery, self-efficacy, and locus of control with stress. According to the studies, there is a relationship between mastery and stress appraisal. People who have a high mastery indicated lower stress and higher sense of control, challenge and coping skills. Additionally, there revealed a negative relationship between mastery level and distress. Furthermore, while the mastery level increased, experienced anxiety, hostility, depression, and somatization decreased (Gilbar et al., 2010). An individual's age-related reactions to the life events changes when the person started to perceive negative changes in control and mastery (Cairney & Krause, 2008). Self-efficacy is also a predictor of stress (Akpochofo, 2014). Rescue workers who have low self-efficacy were negatively influenced by stressful situations more than the ones who have high self-efficacy (Prati et al., 2010). People who think that external factors have more power on the control between the environment and them, are prone to more distress (Gadzella et al., 2009). People who have high internal locus of control are more into problem-focus coping (Demir et al., 2014) which is one of Lazarus and Folkman's two kinds of group of strategies in Transactional theory that people use when they came face to face with stress: concentrating on emotions or concentrating on the problems (Lazarus & Folkman, 1984). Problem-focused coping consists of the particular behaviors, using instrumental support, and the plans to end the stress that derived from the problem. In emotion focused coping, the concentration is on the reappraisal of the stress factors, using some cognitive strategies and applying friends or family to take emotional support. Differences in the locus of control may predict the preferred coping styles. So, people who believe that they have responsibility, self-control, and self-improvement to solve the problem which creates stress, copes better (Roberts et al., 1997). One of the main coping strategy of the problem-focus coping is being assertive (Bartram & Gardner, 2008). Assertiveness involves the sense of control and asserting personal positions. In the focus of problem-focus coping, it can be inferred that people who have low assertiveness do not talk about the problem enough with the other party, don't be active while choosing the strategy, and don't struggle for the solution (Bartram & Gardner, 2008). However, people who have high assertiveness try to solve the conflicts more effectively, experience less problems and are healthier in work life. Because, as a personality characteristic, assertiveness leads increase in sense of control which results in coping with stress and a low level stress perception. Assertiveness also takes part among the characteristics of extraversion type of personality (Rothbart & Hwang 2005). Extroverts who exert themselves to solve the problems need high energy which can be initiated by assertiveness (Vollrath, 2001).

To sum up, these studies state that having assertive conflict modes may moderate the relationship between stress perception and the felt stress at workplace that a result of these stress factors. The addition of this study is to scrutinize this relationship in a healthcare environment where there is a high risk of stress. It is logical to think that assertive conflict modes may have an effect on stress perception and preferred strategies to cope with the felt stress that these stress factors may create. If this logic function in real life, caregiving staff for the elderly who have assertive conflict modes may see themselves as having a high sense of control over environmental stress factors and see these factors as challenging and can be solved. In contrast, the staff that has unassertive conflict handling modes may see same conditions as tiring, stressful, and unsolvable.

It has been stated above that stimulus based approach says that every person perceives the stress similarly (Kahn, 1986, p. 42). According to response based approach, every person's responses to the stress similarly (Selye, 1983, p. 4). Transactional view adds the personal variables between stimulus and response (Folkman & Lazarus, 1988a, 1988b). Hence, when we add conflict handling modes into the relationship of stress perception and felt stress, we may have more clear aspect to understand the perceived stress factors and reported felt stress. Therefore, all in all we hypothesize that.

Hypothesis 2: Assertive conflict handling modes moderates the relationship between stress perception and caregiving staff's felt stress; such that caregiving staff with high assertive conflict mode will experience lower levels of felt stress than the ones with unassertive conflict mode.

To scrutinize these hypotheses, 8 workplace stress factors which are revealed by Caplan and his colleagues (1980), were used to measure and assess the moderating role of assertive conflict modes.

3. Methodology

3.1. Sample

Data were gathered from a sample of 245 caregiving staff in one of the biggest nursing homes for the elderly in the city of Istanbul, Turkey. The sample was reached via the allowance of nursing home administration. The survey was formed on the internet and filled by the staff individually in an empty room in the nursing home. 225 responses were obtained. A Shapiro-Wilk test was used to test for normality on the main dependent variable felt stress; and that indicated that the data was normally distributed in both high and low assertive groups. See Table 1 for the demographic characteristics of the sample.

Table 1.
Descriptive statistics of the sample

		Frequency	%
Gender	Women	114	50,7
	Men	111	49,3
Conflict Handling Modes	Competing (High Assertive)	54	24,0
	Collaborating (High Assertive)	27	12,0
	Compromising (Medium Assertive)	90	40,0
	Avoiding (Low Assertive)	36	16,0
	Accommodating (Low Assertive)	18	8,0
Formal Education Level	Primary School	26	11,6
	Middle School	78	34,7
	High School	112	49,8
	College	9	4,0
	18-25	17	7,6

Age	25-36	69	30,7
	36-45	96	42,7
	46-55	25	11,1
	55 and over	18	8,0
Work Years	1 year or less	9	4,0
	2 – 3 years	43	19,1
	4 – 5 years	34	15,1
	4 – 7 years	52	23,1
	7 – 10 years	44	19,6
	11 years or more	43	19,1
	Total	225	100,0

3.2. Measures

Stress Perception and Felt Stress

The factors that influence stress perception at workplace consist of the work stressors that are thought to have potential to affect the felt stress of the caregiving staff. These workplace stress factors listed to be answered as work overload (6 items), work conflict (3 items), not leaving the workplace (3 items), having control over work (2 items), believing the necessity and meaning of the work (3 items), social variables (10 items) and responsibility of the work (4 items) which are firstly determined by Caplan and his colleagues (1980), developed by Reiche and Dijkhuizen (1980) and adapted by Turk (1997) to Turkish samples. Items are responded with 5 point Likert-Type scale. These stress factors cannot be directly accepted as stress creators. They can cause stress if the staff perceives them as a stress source.

In the current study, the felt stress was measured through the degree of tension that the staff has as a result of their perception of stress. Participants responded to the questions utilizing a scale with a range of 0 (no tension) to 10 (high tension) which is adapted from Unsal and her colleagues (2010). Therefore, for the same item two scales were used; one of them measured the stress perception and the other one measured the felt stress.

Conflict Handling Modes

Conflict handling modes were determined by using Thomas Kilmann Conflict Mode Instrument (Kilmann & Thomas, 1977). The instrument forces the individuals to choose the possible behaviors between 30 pairs of statements that they are likely to use in conflict cases. These conflict handling modes vary on two dimensions: assertiveness and cooperativeness. In this study, conflict handling modes were separated across assertiveness degree according to Thomas and Kilmann (1975) research (see figure 2): high assertiveness (competing, collaborating), medium assertiveness (compromising), low assertiveness (avoiding, accommodating). Statistics for the conflict handling modes were described in Table 1. For the analyses, to use respondent's conflict handling modes as a categorized variable, high assertive and low assertive conflict modes were recoded as dummy variables among the three variables high assertive, medium assertive and low assertive conflict modes. As "conflict modes" has these three levels, we needed two dummy variables to represent it. In this study, we particularly interested in whether the fact that people who have high assertive conflict handling modes experience less stress perception and less felt stress. After analyzing correlations among variables, it is decided to leave out the dummy variable of medium assertiveness in order to obtain a stronger association. Therefore, the comparison was obtained between high assertiveness and low assertiveness.

3.3. Data Analysis

To test the hypotheses SPSS 21 software program was used. A standard multiple regression analysis was carried out using felt stress as the dependent variable, stress perception as predictor variable, and high and low assertiveness as the moderator variables. Descriptive statistics and correlations between the variables entered into the model were also obtained. For the correlation analyses, each conflict handling mode was recoded as dummy variable.

4. Findings

The results of the correlation analyses showed that stress perception is in a positive correlation with felt stress ($r=0.903$, $p<0.01$), and low assertiveness ($r=0.507$, $p<0.01$); and it has a weak positive correlation with conflict handling modes such as compromising ($r=0.204$, $p<0.01$), avoiding ($r=0.299$, $p<0.01$) and accommodating ($r=0.394$, $p<0.01$) as well. Besides, stress perception has a negative correlation with high assertiveness ($r=-0.659$, $p<0.01$) and collaborating conflict handling mode ($r=-0.460$, $p<0.01$); and it has a weak negative correlation with competing one ($r=-0.390$, $p<0.01$) as well. The results of correlation analyses for felt stress showed that it has positive correlation with low assertiveness ($r=0.442$, $p<0.01$); and it has a weak positive correlation with conflict handling modes such as compromising ($r=0.323$, $p<0.01$), avoiding ($r=0.363$, $p<0.01$) and accommodating ($r=0.205$, $p<0.01$) as well. Besides, felt stress has a negative correlation with high assertiveness ($r=-0.723$, $p<0.01$), competing conflict handling mode ($r=-0.461$, $p<0.01$) and collaborating conflict handling mode ($r=-0.461$, $p<0.01$). Other results of correlation analyses were depicted in Table 2.

Table 2.

Results from the correlation analyses showing the relationship among variables

	M	SD	2	3	4	5	6	7	8	9
1. Stress Perception	2.983	0.392	.903**	-.659**	.507**	-.390**	-.460**	.204**	.299**	.394**
2. Felt Stress	3.987	1.771	-	-.723**	.442**	-.461**	-.461**	.323**	.363**	.205**
3. High Assertiveness				-	-.421**	.749**	.492**	-.612**	-.327**	-.221**
4. Low Assertiveness					-	-.316**	-.208**	-.459**	.777**	.525**
5. Competing						-	-.208**	-.459**	-.245**	-.166*
6. Collaborating							-	-.302**	-.161*	-.109
7. Compromising								-	-.356**	-.241**
8. Avoiding									-	-.129
9. Accommodating										-

** . Correlation is significant at the 0.01 level (2-tailed) * . Correlation is significant at the 0.05 level (2-tailed)

The results of the regression analyses are indicated that our first hypothesis (H1) was supported. (see Table 3). Stress perception is related to felt stress positively. That is, the more caregiving staff perceived stress, the higher they experienced stress; $R = 0.900$, $F(1, 223) = 954.975$, $p < .001$. Additionally, between our proposed moderator levels, high and low assertive conflict handling modes were significantly related to felt stress respectively; $R = -0.771$, $F(1, 223) = 327.447$, $p < .001$; $R = 0.418$, $F(1, 223) = 47.168$, $p < .001$. These results suggest that, there is a negative relationship between assertive conflict handling modes and felt stress; so it can be said that people who have high assertive conflict handling modes feel less stress. However, there is a positive relationship between low assertive conflict handling modes and felt stress; therefore, it can be inferred that people who use low assertive conflict handling modes, experienced stress more.

Table 3.

Results from the regression analyses showing the linear regression between predictors as stress perception, high and low assertive conflict modes and outcome variable as felt stress.

	<i>B</i>	<i>SE</i>	β	<i>t</i>	<i>p</i>	<i>R</i> ²
Constant	-8.207	0.404		-20.327	.000*	0.811
Stress Perception	4.039	0.131	0.9	30.903	.000*	
Constant	5.204	0.096		54.404	.000*	0.595
High Assertive Conflict Modes	2.885	0.159	-0.771	18.095	.000*	
Constant	3.744	0.125		29.881	.000*	0.171
Low Assertive Conflict Modes	1.756	0.256	0.418	6.868	.000*	

B: unstandardized beta; *SE*: standard error; β : standardized beta; *p*: significance level; *t*: *t* statistic; *R*²: variance. * *p* < .001

Our moderation hypothesis (H2) was partially supported. To test for moderation, we conducted a linear regression analysis and entered stress perception and the interaction of stress perception respectively with our proposed dummy moderator levels high and low assertive conflict handling modes as predictor variables and felt stress as the outcome variable. In equation 1, the interaction effect of stress perception and high assertive conflict handling mode on the outcome of felt stress was significant (Beta = -0.293; *t* = -9.096, *p* < .001). However, in equation 2, the interaction effect of stress perception and low assertive conflict handling mode on the outcome of felt stress was not significant (Beta = -0.58; *t* = -1.695, *p* > .05). Therefore, these results suggest that there was a moderation effect of high assertive conflict handling modes on the relationship between the staff's stress perception and felt stress (see Table 4).

Table 4.

Results from the regression analyses showing the moderation effect of high and low assertive conflict handling modes on the relationship between stress perception and felt stress

	<i>B</i>	<i>SE</i>	β	<i>t</i>	<i>p</i>	<i>R</i> ²
Equation 1						0.862
Constant	-5.258	0.474		-11.1	.000*	
Stress Perception (SP)	3.205	0.145	0.714	22.159	.000*	
SP X High Assertive Conflict Modes	-0.403	0.044	-0.293	-9.096	.000*	
Equation 2						0.813
Constant	-8.566	0.454		-18.852	.000*	
Stress Perception (SP)	4.175	0.153	0.931	27.304	.000*	
SP X Low Assertive Conflict Modes	-0.071	0.042	-0.058	-1.695	0.091	

B: unstandardized beta; *SE*: standard error; β : standardized beta; *p*: significance level; *t*: *t* statistic; *R*²: variance. * *p* < .001

Taken all these results into consideration, it is clear that stress perception is closely related with felt stress. So, people who perceived more stress also felt more stress. Among these people, who have high assertive conflict modes, perceived and felt less stress. Therefore, high assertiveness moderated the relationship between stress perception and felt stress and then contributed reducing stress.

5. Conclusion, Discussions And Suggestions

The aim of this research was to determine the moderator effects of high and low assertive conflict handling modes on the relationship of perceived and felt stress. It is proposed that people who use assertive conflict

handling modes may perceive stress factors lesser; and in line with this perception, they may also feel stress less in comparison to people who use low assertive conflict handling modes.

The results of the current study suggest that stress perception is positively related with felt stress. People who perceive stress more are prone to experience the feeling of stress more. Furthermore, it was found out that caregiving staff with high assertive conflict modes (competing, collaborating) is better to cope with workplace stress factors. It was revealed that the staff with high assertive conflict handling modes exposes less stress perception and experiences less stress. However, it was not attained significant result for the low assertive conflict handling modes in the moderation hypothesis.

The results of this research support findings of past studies. Particularly, the positive influence of assertiveness on stress was emphasized by many researchers through focusing on a wide variety of variables. For example, there were found an inverse relationship between high assertiveness and anxiety (Orenstein, Orenstein, & Carr, 1975), experiencing health problems (Williams & Stout, 1985), negative emotion (Tomaka et al., 1999), and perceiving stress factors as threat (Tomaka et al., 1999). In line with our study, according to Friedman and colleagues (2000), in a clinical department of a hospital, people with more collaborating conflict handling mode experienced less stress and people with avoiding mode experienced more stress. However, same study states that people with competing mode also experienced more stress which contradicts with our findings. This difference may be explained through the sensitivity of the medical environment which may have less tolerance for more dominating mode. Nevertheless, Friedman and colleagues (2000) emphasize that the work environment was partly the employee's own making. Therefore, stress perception is closely related with employees' approach to the conflict. Likewise, Petrie and Rotheram (1982) think that while assertiveness is in a negative relationship with stress, it also positively influences these people's self-esteem. Furthermore, Schiffrin and Nelson (2010) say that stress perception has an inverse relationship with happiness. Hence, conflict handling modes which help to experience less stress perception may contribute to more happiness.

In work life individuals are prone to stress (Britt & Jex, 2015). To overcome these stress factors coping styles are used. However, the severity of these stress factors usually depends on employees' perception of them and their workplace environment. Besides, the degree of the negative impact of these stress factors largely influenced by individuals' coping mechanisms (Lazarus & Folkman, 1984). The appropriate type of these coping mechanisms should be determined according to the perceived control over the stress factor. If a person thinks that she/he can control the stress factor and solve it, it is useful and effective to carry on the problem-focus coping style. People who are assertive exhibit problem-focus coping behavior which also includes using negotiation skills, approaching with different solutions to the problem and evaluating practical advice from other people (Bartram & Gardner, 2008). That meaning, individuals' approaches to the problems may create different coping strategies which may worsen or improve the situation. In healthcare organizations, it is seen that professionals are using several strategies to overcome many workplace stressors and generally they use problem-focused coping mechanism rather than emotion focused one when they try to overcome workplace stress factors (Fathi et al, 2012).

It is difficult for some people to decide to what extent they have control of the stress factors when some they expose to workplace stress; because, they may not know that they can solve the problem or not. There may be some other concerns that workers see important. They may experience anxiety about losing their job; because, their intervention may affect others in the organization. Particularly, some managers may not see the stress factor as a problem. These conditions may discourage some staff and they may prefer low assertive conflict modes which in return results in more disturbance. However, individuals who have assertive conflict handling modes may evaluate the situation easily and may decide to control the stress situation.

All in all, employees as human beings are prone to come face to face with several stress factors. In time, new ways of behavioral, psychological or cognitive coping styles may be developed. New interventions of worksite

management may become one of the first applied practices. Training healthcare professionals with communication and conflict handling programs which intends to heighten assertiveness may contribute a lower number of conflicts. That in return can contribute to the positive organizational and individual outcomes (Rahim, 2000), the appropriate level of stress as well. It can also help individuals to choose their coping styles and adapt to their life. Assertiveness trainings were suggested by several researchers particularly for reducing health problems (Wolpe, 1980). Some studies indicated that assertiveness trainings may help people feel less interpersonal anxiety (Alberti, 1977; Alberti & Emmons, 1974). According to Lee and Crockett, these trainings are very important to reduce stress and eliminating nonassertive approaches. This study's findings might be used in order to form new training programs.

The contribution of the study is the exploration of the conflict handling modes' effect on felt stress at workplace. This research can add a new aspect to the literature about the relationship between conflict handling modes and work stress. The main finding is the staff with high assertive conflict handling modes experiences less stress. These people may use problem-focus coping effectively. Training programs may be developed to improve the employee's assertiveness may help to the reduction of work stress. Workplace counselors may use these findings to evaluate clients' problems. Managers may encourage assertiveness among his/her subordinates in conflict situations in order to solve the problems effectively.

6. Limitations

There are some limitations that should be taken into consideration while thinking about above findings. Participants filled out the questionnaires at their workplace. People who think that the results of the questionnaires will influence their performance evaluations, may show potential threat of social desirability for the study (although participants are provided with the information that their results will be kept by the researcher). The high number of medium assertiveness (compromising conflict mode) may be explained by this limitation.

References

- Akpochafo, G. O. (2014). Self-Efficacy and Some Demographic Variables As Predictors Of Occupational Stress Among Primary School Teachers in Delta State of Nigeria. *Education*, 134(4), 457-464.
- Alberti, R. E. (1977). Assertive Behavior Training: Definitions, Overview, Contributions. *Assertiveness: Innovations, Application, Luxes. San Luis Obispo, California: Impact.*
- Alberti, R. E., & Emmons, M. L. (1974). Your Perfect Right. San Luis Obispo: Impact.
- Anderson, P., & Pulich, M. (2001). Managing Workplace Stress in a Dynamic Environment. *Health Care Manager*, 19(3), 1-10.
- Babatunde, A. (2013). Occupational Stress: A Review on Conceptualizations, Causes and Cure. *Economic Insights – Trends and Challenges*, 2(3), 73-80.
- Barry, B., & Friedman, R. A. (1998). Bargainer Characteristics in Distributive and Integrative Negotiation. *Journal of Personality and Social Psychology*, 74, 345-359.
- Bartram, D., & Garner, D. (2008). Coping With Stress. *In Practice*, 30, 228-231.
- Brehm, B. A. (1998). Stress Management: Increasing Your Stress Resistance. New York: Addison, Wesley, Longman.
- Britt, T. W., & Jex, S. M. (2015). Thriving Under Stress: Harnessing Demands in the Workplace. Oxford University Press: New York.
- Cairney, J., & Krause, N. (2008). Negative Life Events And Age-Related Decline In Mastery: Are Older Adults More Vulnerable To The Control-Eroding Effect Of Stress? *Journal of Gerontology*, 63B(3), 162-170.
- Caplan, R. D. et al. (1980). Job Demands and Worker Health. Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor. (Retrieved from Peterson, C. L. (1994). Work factors and stress: A critical review. *International Journal of Health Services*.
- Chang, E. M., Daly, J. W., Hancock, K. M., Bidewell, J., Johnson, A., Lambert, V. A., & Lambert, C. E. (2006). The Relationships among Workplace Stressors, Coping Methods, Demographic Characteristics, and Health in Australian Nurses. *Journal of Professional Nursing*, 22(1), 30-38.
- Cooper, C. L., & Marshall, J. (1976). Occupational Sources of Stress: A Review Of The Literature Relating To Coronary Heart Disease And Mental Ill Health. *Journal of Occupational Psychology*, 49, 11-28.
- Demir, S., Demir, S. G., Bulut, H., & Hisar, F. (2014). Effect of Mentoring Program on Ways Of Coping With Stress And Locus Of Control For Nursing Students. *Asian Nursing Research*, 8, 254-260.
- Duquette, A., Kerouac, S., Sandhu, B. K., Ducharme, F., & Saulnier, P. (1995). Psychosocial Determinants of Burnout in Geriatric Nursing. *International Journal of Nursing Studies*, 32(5), 443-456.
- Elliott, T. R., & Gramling, S. E. (1990). Personal assertiveness And the Effects of Social Support among College Students. *Journal of Counseling Psychology*, 37(4), 427.

- Fathi, A., Nasae, T., & Thiangchanya, P. (2012). Workplace Stressors and Coping Strategies Among Public Hospital Nurses in Medan, Indonesia. *Nurse Media Journal of Nursing*, 2(1), 315-324.
- Folkman, S., & Lazarus, R. S. (1980). An Analysis of Coping in a Middle-Aged Community Sample. *Journal of Health and Social Behavior*, 21, 219-239.
- Folkman, S., & Lazarus, R. S. (1988a). Coping As A Mediator Of Emotion. *Journal of Personality and Social Psychology*, 54(3), 466-475.
- Folkman, S., & Lazarus, R. S. (1988b). The Relationship between Coping and Emotion: Implications for Theory and Research. *Social Science Medicine*, 26(3), 309-317.
- Friedman, R. A., Currall, S. C., & Tsai, J. C. (2000). What Goes Around Comes Around: The Impact Of Personal Conflict Style On Work Conflict And Stress. *The International Journal of Conflict Management*, 11(1), 32-55.
- Gadzella, B. M., de Carvalho, C. F., Henley, T. B., & Ball, S. E. (2009). Locus of Control: Differences among College Students' Stress Levels. *Individual Differences Research*, 7(3), 182-187.
- Gilbar, O., Ben-Zur, H., & Lubin, G. (2010). Coping, Mastery, Stress Appraisals, Mental Preparation, And Unit Cohesion Predicting Distress And Performance: A Longitudinal Of Soldiers Undertaking Evacuation Tasks. *Anxiety, Stress, & Coping*, 23(5), 547- 562.
- Graziano, W. G., Jensen-Campell, L. A., & Hair, E. C. (1996). Perceiving Interpersonal Conflict and Reacting To It: The Case for Agreeableness. *Journal of Personality and Social Psychology*, 70, 820-835.
- Harrison, M., Loiselle, C. G., Duquette, A., & Semenic, S. E. (2002). Hardiness, Work Support and Psychological Distress among Nursing Assistants And Registered Nurses in Quebec. *Journal of Advanced Nursing*, 38(6), 584-591.
- Hatfield, D. W., & Hatfield, J. D. (1995). Relationships among Conflict Management Styles, Levels of Conflict, And Reactions to Work. *The Journal of Social Psychology*, 135(6), 687-698.
- Hyde, M., Jappinen, P., Theorell, T., & Oxenstierna, G. (2006). Workplace Conflict Resolution and the Health of Employees in the Swedish and Finnish Units Of An Industrial Company. *Social Science & Medicine*, 63, 2218-2227.
- Kahn, R. L. (1986). On the conceptualization of stress. In A. Eichler, M. M. Silverman, & D. M. Pratt (Eds.), *How To Define And Research Stress* (pp. 41-43). Washington, DC: American Psychiatric Press, Inc.
- Kahn, R. L., Wolf, D. M., Quinn, R. P., Snoek, J. D., & Rosenthal, R. A. (1964). *Organizational Stress: Studies in Role Conflict and Ambiguity*. New York: Wiley.
- Karasek, R., Baker, D., Marxer, F., Ahlbom, A., & Theorell, T. (1981). Job Decision Latitude, Job Demands and Cardiovascular Disease. *American Journal of Public Health*, 71(7), 694-705.
- Karhaus, W. (1984). Working Conditions and Health: Social Epidemiology Patterns of Stress and Change. *Social Science and Medicine*, 19, 359-372.
- Kilmann, R. H., & Thomas, K. W. (1977). Developing a Forced-Choice Measure of Conflict- Handling Behavior: The "MODE" Instrument. *Educational and Psychological Measurement*, 37(2), 309-325.
- Lazarus, R.S. (1991). *Emotion and Adaptation*. New York: Oxford University Press. Lazarus, R. S., & Folkman, S. (1984). *Stress, Appraisal, and Coping*. New York: Springer. Levi, L. *Preventing Work Stress*. Reading, Mass.: Addison-Wesley, 1981.
- Lee, S., & Crockett, M. S. (1994). Effect of Assertiveness Training on Levels of Stress and Assertiveness Experienced by Nurses in Taiwan, Republic of China. *Issues in Mental Health Nursing*, 15(4), 419-432.
- Luthar, S. S. (1991). Vulnerability and Resilience: A Study of High-Risk Adolescents. *Child Development*, 62(3), 600.
- McGrath, R. (1976). Stress and Behavior in Organizations. In M. Dunnette (Ed.), *Handbook of Industrial and Organizational Psychology*, 1351-1395. Chicago: Rand- McNally.
- McVicar, A. (2003). Workplace stress in nursing: A literature review. *Journal of Advanced Nursing*, 44(6), 633-642.
- Munz, D. C., Kohler, J. M., & Greenberg, C. I. (2001). Effectiveness of a comprehensive worksite stress management program: Combining organizational and individual interventions. *International Journal of Stress Management*, 8(1), 49-61.
- Orenstein, H., Orenstein, E., & Carr, J. E. (1975). Assertiveness and Anxiety: A Correlational Study. *Journal of Behavior Therapy and Experimental Psychiatry*, 6(3), 203-207.
- Patricia, E. B., & Valentine, R. N. (1995). Management of Conflict: Do Nurses/Women Handle It Differently? *Journal of Advanced Nursing*, 22(1), 142-149.
- Petrie, K., & Rotheram, M. J. (1982). Insulators against Stress: Self-Esteem and Assertiveness. *Psychological Reports*, 50(3), 963-966.
- Philips, D., & Brooks, F. (1996). Do women Want Women Health Workers? Women's Views of the Primary Health Care Service. *Journal of Advanced Nursing*, 23(6), 1207-1211.
- Prati, G., Pietrantonio, L., & Cicognani, E. (2010). Self-efficacy moderates the relationship between stress appraisal and quality of life among rescue workers. *Anxiety, Stress, & Coping*, 23(4), 463-470.
- Pruitt, D. G. (1983). Strategic Choice in Negotiation. *American Behavioral Scientist*, 27, 167- 194.
- Rahim, M. A. (1983a). A Measure Of Styles Of Handling Interpersonal Conflict. *Academy of Management Journal*, 26, 368-376.
- Rahim, M. A. (2000). Empirical Studies on Managing Conflict. *The International Journal of Conflict Management*, 11(1), 5-8.
- Richard, G. V., & Krieshok, T. S. (1989). Occupational Stress, Strain, and Coping in University Faculty. *Journal of Vocational Behavior*, 34(1), 117-132.
- Roberts, J. A., Lapidus, R. S., & Chonko, L. B. (1997). Salespeople And Stress: The Moderating Role Of Locus Of Control On Work Stressors And Felt Stress. *Journal of Marketing Theory and Practice*, 5(3), 93-108.
- Rothbart, M. K., & Hwang, J. (2005b). Temperament. In A. J. Elliot, C. S. Dweck (Eds.), *Handbook of Competence & Motivation* (pp. 167-184). New York: Guilford Press.
- Schiffman, H. H., & Nelson, S. K. (2010). Stressed and Happy? Investigating the Relationship between Happiness and Perceived Stress. *Journal of Happiness Studies*, 11(1), 33-39.
- Selye, H. (1983). The Stress Concept: Past, Present, and Future. In C. L. Cooper (Ed.), *Stress Research: Issues for the Eighties* (pp. 1-20). New York: John Wiley & Sons.
- Sonnenberg, A., & Sonnenberg, G. S. (1986). Occupational factors In Disability for Gastric and Duodenal Ulcer. *Journal of Occupational Medicine*, 28(2), 87-90.
- Spector, P.E. (1982). Behavior in Organizations as a Function of Employee's Locus Of Control. *Psychological Bulletin*, 91(3), 482-497.
- Spillane, R. (1984). Stress at work: A review of Australian Research. *International Journal of Health Services*, 14, 589-604.
- Thomas, K. W. (1976). Conflict and Conflict Management. Chapter 21, of M. Dunnette (Ed.), *Handbook of Industrial and Organizational Psychology*. Chicago: Rand-McNally, 889-935.
- Thomas, K. W. and Kilmann, R. H. (1975). The Social Desirability Variable in Organizational Research: An Alternative

- Explanation for Reported Findings. *Academy of Management Journal*, 18(14), 741-752.
- Tomaka, J., Palacios, R., Schneider, K. T., Colotla, M., Concha, J. B., & Herrald, M. M. (1999). Assertiveness Predicts Threat and Challenge Reactions to Potential Stress among Women. *Journal of Personality and Social Psychology*, 76(6), 1008.
- Travers, C. L., & Cooper, C. L. (1993). Mental Health, Job Satisfaction and Occupational Stress among UK Teachers. *Work and Stress*, 7, 213-219.
- Türk, M. (1997). Bir Örgütsel Stres Anketinin (VOS-D) Türkiye'ye Uyarlanması: "Seri Üretim, Sürekli Üretim Teknolojileri ile Hizmet Sektöründe Uygulanması". Unpublished Doctoral Dissertation, İzmir.
- Unsal, P., Sertel Berk, H. O., Özalp Turetgen, I., & Basbug, G. (2010). Job Stress Battery: The Job Stress Scale. Presented Poster in 9th Conference of the European Academy of Occupational Health Psychology, 29-31 March 2010, Rome, Italy.
- Vollrath, M. (2001). Personality and Stress. *Scandinavian Journal of Psychology*, 42(4), 335-347.
- Williams, J. M., & Stout, J. K. (1985). The Effect of High and Low Assertiveness on Locus of Control and Health Problems. *The Journal of Psychology*, 119(2), 169-173.
- Wolpe, J. (1980). Behavior Therapy for Psychosomatic Disorders. *Psychosomatics*, 21(5), 379-385.

Appendixes

Appendix 1.

Scale of Stress Perception and Felt Stress

- 1- Benden hızlı bir çalışma temposu bekleniyor.
 - 2- Normalden daha fazla çalışmam gerektiği zamanlar oluyor.
 - 3- Bazen birden fazla işi aynı anda yapmam gerekiyor.
 - 4- Zaman geçtikçe daha da karmaşık hale geldiği için işimde zorluk çektiğim oluyor.
 - 5- İşimi bitirmek için zamanımın yetmediği oluyor.
 - 6- Benim için fazla zor olan bir işi yapmak zorunda kalıyorum.
 - 7- Bana ters gelen emirler alıyorum.
 - 8- Bir işi istediğimden çok farklı bir biçimde yapmak zorunda kaldığım oluyor.
 - 9- Yapmamayı tercih edeceğim bir işi yapmak zorunda kaldığım oluyor.
 - 10- İşimi yaparken site içerisinde durmam gerekiyor.
 - 11- Gerektiğinde birkaç dakikalığına işimin başından ayrılabilirim.*
 - 12- İşimi birkaç dakikalığına herhangi bir nedenle terk edebilirim.*
 - 13- İşin yerine getirilme şekli konusunda ben de düşüncemi söylerim.*
 - 14- İş temposunun ayarlanmasında benim etkim oluyor.*
 - 15- İşimi severek yapıyorum.*
 - 16- Yaptığım iş bence bir anlam taşıyor.*
 - 17- İşimi diğer işlerle karşılaştırdığımda önemli buluyorum.*
 - 18- İşimde site sorumlusu veya diğer şeflerim tarafından takdir edildiğimi düşünüyorum.*
 - 19- İşimde iş arkadaşlarım tarafından takdir edildiğimi düşünüyorum.*
 - 20- Sitede bir sorun olduğunda site sorumlusu veya şefimle bu sorunu tartışabilirim.*
 - 21- Sitede bir sorun olduğunda iş arkadaşlarımla bu sorunu tartışabilirim.*
 - 22- İş arkadaşlarımla anlaşmazlıklar oluyor.*
 - 23- Site sorumlusu veya şefimle anlaşmazlıklar oluyor.*
 - 24- Site sorumlusu veya şefimle anlaşma durumum şu şekildedir.*
 - 25- İş arkadaşlarımla anlaşma durumum şu şekildedir.*
 - 26- İşimle ilgili zorlandığımda site sorumlusuna veya diğer şeflerime güvenebilirim.*
 - 27- İşimle ilgili zorlandığımda iş arkadaşlarıma güvenebilirim.*
 - 28- Çalışmakta olduğum sitede bana sorumluluk düşüyor.
 - 29- Bir sakinin bakımında sorumluluğum vardır.
 - 30- Sakinlerin güvenliği konusunda sorumluluğum vardır.
 - 31- Sakinlerin geleceğinden sorumluluğum vardır.
 - 32- Kendimi öfkeli veya kızgın hissediyorum.
 - 33- Kendimi gergin hissediyorum.
 - 34- Kendimi çaresiz hissediyorum.
 - 35- Kendimi neşeli hissediyorum.*
 - 36- Kendimi sinirli hissediyorum.
 - 37- Kendimi tükenmiş hissediyorum.
 - 38- Kendimi sakin hissediyorum.*
-

Appendix 2.

Turkish Version of Thomas-Kilmann Conflict Mode Instrument

Kendi isteklerinizin başka birinin isteklerinden farklı olduğu durumları düşününüz. Bu tip durumlarda genellikle nasıl davranırsınız? Aşağıdaki sayfalarda mümkün olabilecek davranışları tarif eden çeşitli ifade çiftleri yer almaktadır. Her çift içerisinde lütfen sizin karakterinize en çok uyan "A" ya da "B" ifadesini daire içine alınız. Çoğu durumda, ne "A" ifadesi, ne de "B" ifadesi sizin tipik davranışlarınızı temsil etmeyebilir, ama lütfen size en yakın olan seçeneği işaretleyiniz.

Kendi isteklerinizin başka birinin isteklerinden farklı olduğu durumları düşününüz. Bu tip durumlarda genellikle nasıl davranırsınız? Aşağıdaki sayfalarda mümkün olabilecek davranışları tarif eden çeşitli ifade çiftleri yer almaktadır. Her çift içerisinde lütfen sizin karakterinize en çok uyan "A" ya da "B" ifadesini daire içine alınız. Çoğu durumda, ne "A" ifadesi, ne de "B" ifadesi sizin tipik davranışlarınızı temsil etmeyebilir, ama lütfen size en yakın olan seçeneği işaretleyiniz.

1	A) Problemin çözülebilmesi için sorumluluğu başkalarına bıraktığım zamanlar olur.
	B) Anlaşamadığımız şeyler üzerinde müzakere etmek yerine ikimizin de üzerinde anlaştığı şeyleri vurgulamaya çalışırım.
2	A) Üzerinde uzlaşmaya varılabilecek bir çözüm bulmaya çalışırım.
	B) Hem benim endişelerimi hem de diğer herkesin endişelerini dikkate almaya çalışırım.
3	A) Genellikle kararlı bir şekilde hedeflerimin arkasında dururum.
	B) Aramızdaki ilişkiyi korumak maksadıyla diğer tarafın hislerine uygun davranmayı deneyebilirim.
4	A) Üzerinde uzlaşmaya varılabilecek bir çözüm bulmaya çalışırım.
	B) Bazen başka birinin istekleri uğruna kendi isteklerimi feda ederim.
5	A) Bir çözüm bulmak için uğraşırken düzenli olarak başkalarının fikrini de dikkate alırım.
	B) Gereksiz gerginliklerden kaçınmak için ne gerekiyorsa yapmayı denerim.
6	A) Kendi iyiliğim için tatsızlık yaratmaktan kaçınmayı denerim.
	B) Kendi duruşumu göstermeyi denerim.
7	A) Hakkında biraz düşünene kadar konuyu ertelemeyi denerim.
	B) Karşılıklı taviz verilmesi şartıyla bazı hususlarda taviz verebilirim.
8	A) Genellikle kararlı bir şekilde hedeflerimin arkasında dururum.
	B) Hemen açıkça orta yerde tüm endişeleri ve konuları konuşmaya çalışırım.
9	A) Görüş farklılığını belirtmenin her zaman da gerekli olmadığını hissediyorum.
	B) Kendi isteklerimi elde edebilmek için çaba sarf ederim.
10	A) Genellikle kararlı bir şekilde hedeflerimin arkasında dururum.
	B) Üzerinde uzlaşmaya varılabilecek bir çözüm bulmaya çalışırım.
11	A) Hemen açıkça orta yerde tüm endişeleri ve konuları konuşmaya çalışırım.
	B) Aramızdaki ilişkiyi korumak maksadıyla diğer tarafın hislerine uygun davranmayı deneyebilirim.
12	A) Bazen anlaşmazlık yaratabilecek tavırlar göstermekten kaçınırım.
	B) Eğer benim fikirlerimin bazılarına ses çıkarmazsa ben de diğer tarafın bazı fikirlerine ses çıkarmam.
13	A) Ortak bir noktada anlaşmayı öneririm.
	B) Kendi dediklerimin olması için baskı yaparım.
14	A) Kendi fikirlerimi diğerlerine anlattıktan sonra onlara da kendi fikirlerini sorarım.
	B) Ona kendi görüşümün mantığını ve faydalarını göstermeyi denerim.
15	A) Aramızdaki ilişkiyi korumak maksadıyla diğer tarafın hislerine uygun davranmayı deneyebilirim.
	B) Gerginlikten kaçınmak için ne gerekiyorsa yapmayı denerim.
16	A) Diğerlerinin hislerini incitmemeye çalışırım.
	B) Benim görüşümün doğruluğu konusunda diğer kişiyi inandırmaya çalışırım.
17	A) Genellikle kararlı bir şekilde hedeflerimin arkasında dururum.
	B) Gereksiz gerginliklerden uzaklaşmak için ne gerekiyorsa yapmayı denerim.
18	A) Eğer bu diğer kişiyi mutlu ediyorsa onun kendi fikirlerini sürdürmesine ses çıkarmam.
	B) Eğer benim fikirlerimin bazılarına ses çıkarmazsa ben de diğer kişinin bazı fikirlerine ses çıkarmam.
19	A) Hemen açıkça orta yerde tüm endişeleri ve konuları konuşmaya çalışırım.
	B) Hakkında biraz düşünene kadar konuyu ertelemeyi denerim.
20	A) Hemen farklı insanların görüşlerinden faydalanarak işe koyulurum.
	B) İkimiz içinde kayıp ve kazançların adil bir şekilde bileşimini bulmaya çalışırım.
21	A) Müzakere sürecinde diğer kişinin hislerine karşı anlayışlı olmaya çalışırım.
	B) Her zaman problemin doğrudan tartışılmasına eğilimliyimdir.
22	A) Benim ve diğer kişinin arasında arabulucu bir duruş edinmeye çalışırım.
	B) İsteklerimi savunurum.
23	A) Çoğu zaman kendi isteklerimi yerine getirmeyle ilgilenirim.
	B) Problemlerin çözülebilmesi için sorumluluğu başkalarına bıraktığım zamanlar olur.
24	A) Eğer diğer tarafın görüşü onlara önemli görünüyorsa, onların isteklerini karşılamaya çalışırım.
	B) Diğer kişinin uzlaşmaya razı olmasına çalışırım.
25	A) Karşı tarafa kendi görüşümün mantığını ve faydalarını göstermeyi denerim.
	B) Müzakere sürecinde diğer kişinin hislerine karşı anlayışlı olmaya çalışırım.
26	A) Ortak bir noktada anlaşmayı öneririm.
	B) Nerdeyse her zaman kendi isteklerimi yerine getirmeye çalışırım.
27	A) Bazen anlaşmazlık yaratabilecek tavırlar göstermekten kaçınırım.
	B) Eğer bu diğer kişiyi mutlu ediyorsa onun kendi fikirlerini sürdürmesine ses çıkarmam.
28	A) Genellikle kararlı bir şekilde hedeflerimin arkasında dururum.
	B) Bir çözüm bulmak için uğraşırken düzenli olarak başkalarının fikrini de dikkate alırım.
29	

-
- A) Ortak bir noktada anlaşmayı öneririm.
B) Görüş farklılığını belirtmenin her zaman da gerekli olmadığını hissediyorum.
A) Diğer kişinin hislerini incitmemeye çalışırım.
B) Her zaman problemi diğer kişiyle paylaşırım böylece sorunu halledebiliriz.
-

-
- 1 A) Problemin çözülebilmesi için sorumluluğu başkalarına bıraktığım zamanlar olur.
B) Anlaşamadığımız şeyler üzerinde müzakere etmek yerine ikimizin de üzerinde anlaştığı şeyleri vurgulamaya çalışırım.
- 2 A) Üzerinde uzlaşmaya varılabilecek bir çözüm bulmaya çalışırım.
B) Hem benim endişelerimi hem de diğer herkesin endişelerini dikkate almaya çalışırım.
- 3 A) Genellikle kararlı bir şekilde hedeflerimin arkasında dururum.
B) Aramızdaki ilişkiyi korumak maksadıyla diğer tarafın hislerine uygun davranmayı deneyebilirim.
- 4 A) Üzerinde uzlaşmaya varılabilecek bir çözüm bulmaya çalışırım.
B) Bazen başka birinin istekleri uğruna kendi isteklerimi feda ederim.
- 5 A) Bir çözüm bulmak için uğraşırken düzenli olarak başkalarının fikrini de dikkate alırım.
B) Gereksiz gerginliklerden kaçınmak için ne gerekiyorsa yapmayı denerim.
- 6 A) Kendi iyiliğim için tatsızlık yaratmaktan kaçınmayı denerim.
B) Kendi duruşumu göstermeyi denerim.
- 7 A) Hakkında biraz düşünene kadar konuyu ertelemeyi denerim.
B) Karşılıklı taviz verilmesi şartıyla bazı hususlarda taviz verebilirim.
- 8 A) Genellikle kararlı bir şekilde hedeflerimin arkasında dururum.
B) Hemen açıkça orta yerde tüm endişeleri ve konuları konuşmaya çalışırım.
- 9 A) Görüş farklılığını belirtmenin her zaman da gerekli olmadığını hissediyorum.
B) Kendi isteklerimi elde edebilmek için çaba sarf ederim.
- 10 A) Genellikle kararlı bir şekilde hedeflerimin arkasında dururum.
B) Üzerinde uzlaşmaya varılabilecek bir çözüm bulmaya çalışırım.
- 11 A) Hemen açıkça orta yerde tüm endişeleri ve konuları konuşmaya çalışırım.
B) Aramızdaki ilişkiyi korumak maksadıyla diğer tarafın hislerine uygun davranmayı deneyebilirim.
- 12 A) Bazen anlaşmazlık yaratabilecek tavırlar göstermekten kaçınırım.
B) Eğer benim fikirlerimin bazılarına ses çıkarmazsa ben de diğer tarafın bazı fikirlerine ses çıkarmam.
- 13 A) Ortak bir noktada anlaşmayı öneririm.
B) Kendi dediklerimin olması için baskı yaparım.
- 14 A) Kendi fikirlerimi diğerlerine anlattıktan sonra onlara da kendi fikirlerini sorarım.
B) Ona kendi görüşümün mantığını ve faydalarını göstermeyi denerim.
- 15 A) Bazen anlaşmazlık yaratabilecek tavırlar göstermekten kaçınırım.
B) Gerginlikten kaçınmak için ne gerekiyorsa yapmayı denerim.
- 16 A) Diğerlerinin hislerini incitmemeye çalışırım.
B) Benim görüşümün doğruluğu konusunda diğer kişiyi inandırmaya çalışırım.
- 17 A) Genellikle kararlı bir şekilde hedeflerimin arkasında dururum.
B) Gereksiz gerginliklerden uzaklaşmak için ne gerekiyorsa yapmayı denerim.
- 18 A) Eğer bu diğer kişiyi mutlu ediyorsa onun kendi fikirlerini sürdürmesine ses çıkarmam.
B) Eğer benim fikirlerimin bazılarına ses çıkarmazsa ben de diğer kişinin bazı fikirlerine ses çıkarmam.
- 19 A) Hemen açıkça orta yerde tüm endişeleri ve konuları konuşmaya çalışırım.
B) Hakkında biraz düşünene kadar konuyu ertelemeyi denerim.
- 20 A) Hemen farklı insanların görüşlerinden faydalanarak işe koyulurum.
B) İkim içinde kayıp ve kazançların adil bir şekilde bileşimini bulmaya çalışırım.
- 21 A) Müzakere sürecinde diğer kişinin hislerine karşı anlayışlı olmaya çalışırım.
B) Her zaman problemin doğrudan tartışılmasına eğilimliyimdir.
- 22 A) Benim ve diğer kişinin arasında arabulucu bir duruş edinmeye çalışırım.
B) İsteklerimi savunurum.
- 23 A) Çoğu zaman kendi isteklerimi yerine getirmeye ilgilenirim.
B) Problemlerin çözülebilmesi için sorumluluğu başkalarına bıraktığım zamanlar olur.
- 24 A) Eğer diğer tarafın görüşü onlara önemli görünüyorsa, onların isteklerini karşılamaya çalışırım.
B) Diğer kişinin uzlaşmaya razı olmasına çalışırım.
- 25 A) Karşı tarafa kendi görüşümün mantığını ve faydalarını göstermeyi denerim.
B) Müzakere sürecinde diğer kişinin hislerine karşı anlayışlı olmaya çalışırım.
- 26 A) Ortak bir noktada anlaşmayı öneririm.
B) Nerdeyse her zaman kendi isteklerimi yerine getirmeye çalışırım.
- 27 A) Bazen anlaşmazlık yaratabilecek tavırlar göstermekten kaçınırım.
B) Eğer bu diğer kişiyi mutlu ediyorsa onun kendi fikirlerini sürdürmesine ses çıkarmam.
- 28 A) Genellikle kararlı bir şekilde hedeflerimin arkasında dururum.
B) Bir çözüm bulmak için uğraşırken düzenli olarak başkalarının fikrini de dikkate alırım.
- 29 A) Ortak bir noktada anlaşmayı öneririm.
B) Görüş farklılığını belirtmenin her zaman da gerekli olmadığını hissediyorum.
- 30 A) Diğer kişinin hislerini incitmemeye çalışırım.
B) Her zaman problemi diğer kişiyle paylaşırım böylece sorunu halledebiliriz.
-