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COGNITIVE NEUROSCIENCE AND PSYCHOLOGY

Examining the Diagnostic Construct of Complex PTSD Among a Sample of PTSD Patients in Iraq

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Abstract: This paper aims to Examining the presence of the diagnostic construct of complex PTSD among the Iraqi sample of PTSD and Describe the frequency of occurrence of symptom categories of complex PTSD and the relationship of these symptoms with the demographic characteristics.

A descriptive cross-sectional study was conducted at Ibn-Rushid Psychiatric Hospital, Baghdad Medical City, and Ibn-Sena Teaching Hospital, involving 52 patients with post-traumatic stress disorder, collected over ten months and analyzed through direct interviews.

The interview formed of the following:

- 1. Sociodemographic data (age, gender, education, occupation, marital status).
- 2.Self-rating questionnaire derived from diagnostic criteria of complex PTSD.

The prevalence of complex PTSD in Iraqi Patients who had already been diagnosed with PTSD were (28.8%), explained by the high resilience of people in our society.

Complex PTSD were more common in males (60%) while (40%) in females, and this is explained by the fact that males in our country are more exposed to traumatic events.

(80%) of complex PTSD sample were between 25 and 45 yrs. of age, (33.3%) of complex PTSD Patients were employed, the military represent (26.6%) of the complex PTSD Patients, others were freelancers or unemployed, and more than half of complex PTSD Patients were married (60%).

Complex PTSD affects 28.8% of patients, predominantly young, male, married, highly educated, with previous psychiatric visits and employed. Common complaints include altered affect, impulses, and meaning systems.

Key words: diagnostic construct, PTSD, Complex PTSD, demographic characteristics.

Introduction. PTSD is a condition characterized by increased stress and anxiety following exposure to a traumatic event, such as a violent accident, military combat, or abuse. The person experiences fear, helplessness, and reluctance to be reminded of the event. These stressors can be overwhelming and can lead to depression, anxiety, and cognitive difficulties. Symptoms include numbing of responsiveness, hyperarousal, and difficulty concentrating[1,2].

C-PTSD is a psychological disorder resulting from repeated and cumulative trauma, with research indicating that some forms of trauma are more pervasive and complicated. However, a history of chronic traumatization doesn't always lead to C-PTSD symptomatology, as research shows that up to a quarter of individuals experience at least one traumatic event[3].

Over the past century, medical doctors have identified PTSD-like illnesses in soldiers who experienced combat. The term "nostalgia" was coined in the late 1600s by Swiss physician Dr. Johannes Hofer, describing despair, homesickness, sleeplessness, and anxiety. This phenomenon spread throughout Europe and reached

American soil during the U.S. Civil War. Some military doctors viewed nostalgia as a sign of weakness, while others studied veterans' physical issues, such as "soldier's heart" or "irritable heart," due to overstimulation of the heart's nervous system[4].

Railway accidents during World War I led to the development of post-traumatic stress disorder, known as "shell shock." This disorder, initially referred to as "battle fatigue," was later referred to as "combat fatigue" and "combat stress reaction" in World War II. The term was first used in 1915 by Captain Charles Myers of the Royal Army Medical Corps, who documented soldiers experiencing severe symptoms after being exposed to exploding shells. By the end of the war, around 80,000 cases of shell shock were documented in the British army. The American Psychiatric Association added "gross stress reaction" to the DSM-I in 1952. [5]

The American Psychological Association (APA) revised the DSM-II and DSM-III to better capture PTSD symptoms, allowing veterans to receive proper psychological help. The DSM-IV, DSM-IV-TR, and DSM-5 revised the diagnostic criteria for PTSD, renaming it as Trauma- and Stressor-Related Disorders and removing it from the anxiety disorder category. This has improved the understanding of PTSD symptoms[6,7].

The American Psychiatric Association conducted a field trial for PTSD during the development of the DSM-IV, investigating the impact of proposed changes in the diagnosis and the psychopathology of chronic developmental trauma, labeled Disorders of Extreme Stress, [8,9,10]Not Otherwise Specified (DESNOS). The DSM-IV field trial supported the existence of a complex adaptation to chronic interpersonal violence in both children and adults, but DESNOS was listed under "Associated and Descriptive Features" of PTSD [11,12,13], which this article aims to Examining the presence of the diagnostic construct of complex PTSD among Iraqi sample of PTSD and Describe the frequency of occurrence of symptom categories of complex PTSD and the relationship of these symptoms with the demographic characteristics. [14]

Material and method

Methodology:

Study type and design: A cross-sectional study (descriptive and analytical).

Place and duration of data collection: The study was carried out at Ibn-rushed Psychiatric Hospital, the psychiatric department at Medical City in Baghdad, and Ibn-sena Teaching Hospital in Mosul. The data was collected from those hospitals randomly from patients who had already been diagnosed with PTSD. The data collection period extended for ten months (from the first of June 2019 to the end of January 2020).

Participants: from those hospitals, a random sample of 52 Patients who were already diagnosed with PTSD were picked up and interviewed. The study was explained to them in full & after their verbal consent was taken, they filled the questionnaires themselves.

Inclusion criteria:

Patients who are already diagnosed with PTSD.

Exclusion criteria

Patients with psychiatric disorders other than PTSD.

Data collection tools: The questionnaires included two main parts:

Part one: It was concerned with demographic data (age, sex, educational level, occupation, and marital status), whether the Patient has any physical illness or previous psychiatric visit, and if he received any psychiatric treatment.

Part two: Self-rating questionnaire derived from diagnostic criteria of complex PTSD as formulated by Van Der Kolk, a psychiatric professor at Boston University in the United States of America. A new Arabic questionnaire was formulated according to the criteria, and its validity & reliability was approved on an Iraqi sample. ⁽⁹⁾

Statistical analysis:

This study is a cross-sectional study. Data were presented in frequency and percentage, and comparison was done between frequencies using the Fisher exact test and Yates's chi-square test. P value less than 0.05 was considered as significant. Microsoft Excel 2019 and SPSS (Statistical Package for Social Sciences) version 23 were used as software to do the statistics.

Results:

Table (1): Parameters score percentage

	-
Parameter	N (%)

Easily triggered 34 (65.4)		
Humanity changed 29 (55.8)	, , ,	34 (65.4)
Somatic pain 25 (48.1) No body understand 25 (48.1) Country Value 25 (48.1) Sob 23 (44.2) Irreversible damage 23 (44.2) Irreversible damage 23 (44.2) Shame telling others 22 (42.3) Abd. Distension 21 (40.4) Memory lapses 20 (38.5) Difficulty trusting others 20 (38.5) Difficulty trusting others 20 (38.5) No sexual pleasure 18 (34.6) Engaging in a harmful relationship 18 (34.6) Guilt 17 (32.7) Palpitation 17 (32.7) Peripheral numbness 17 (32.7) Peripheral numbness 16 (30.8) Mood swing 15 (28.8) Gap between past and present 14 (26.9) Incompetent 13 (25.0) Reckless, harmful behavior 13 (25.0) Self-mutilation 11 (21.2) Derealization 11 (21.2) Derealization 11 (21.2) Eamily value 10 (19.2) Eamily value 10 (19.2) Eamily value 10 (19.2) Eamily value 10 (19.2) Eamily attack 9 (17.3) Fallure 8 (15.4) Depersonalization 8 (15.4) Depersonalization 8 (15.4) Depersonalization 8 (15.4) Depersonalization 10 (10.00 Deserve what happens 4 (7.7) Disturbed identity 4 (7.7) Disturbed identity 4 (7.7)	Total community destruction	34 (65.4)
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No sexual pleasure	Difficulty trusting others	20 (38.5)
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Incontrollable sexual drive 4 (7.7) Deserve what happens 4 (7.7) Disturbed identity 4 (7.7)	Peripheral weakness	5 (9.6)
Deserve what happens 4 (7.7) Disturbed identity 4 (7.7)	Losing faith in god	4 (7.7)
Disturbed identity 4 (7.7)	Incontrollable sexual drive	4 (7.7)
·	Deserve what happens	4 (7.7)
Possibility to change the reality 2 (3.8)	Disturbed identity	4 (7.7)
	Possibility to change the reality	2 (3.8)
Reckless sex 0 (0.0)	Reckless sex	0 (0.0)

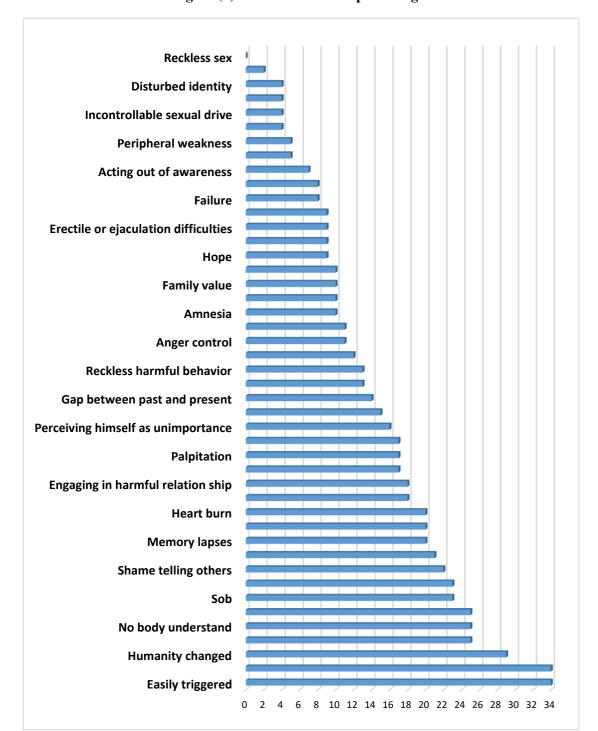


Figure (1): Parameters score percentage

In relation to the alteration in self-perception, the Patients whose age is less than 25yrs. Were more likely to perceive themselves as incompetent (62%), feeling that nobody can understand their sufferings (75%) and feeling ashamed to tell others (75%).

Patients with age group between 36 and 45 years. Of age were more to found themselves guilty (43.8%), describing themselves as a failure (25%), with a feeling of unimportance (43.8%), with a sense of permanent self-damage (62.5%), believing that they deserve what happening to them (18.8%) and always blaming themselves for what happened (37.5%) and in relation to the alteration in relationships with other:

Patients with age group between 36 and 45 years. Of age we are having more difficulty in trusting others (50%).

Patients whose aged between 26 and 45 years were more likely to have thoughts to harm others (15.8%)

continuously engaging in harmful relationships (37.5%) and. In relation to somatization, Patients who is less than 25 years of age were more to have falling attacks (37.5%), shortness of breath (87.5%), chronic somatic pain (62.5%), and peripheral numbness (50%).

Patients whose ages are between 26 and 35 years. Of age were more to complain from erectile or ejaculation problems (26.3%).

Table (2): Comparison of parameters according to age groups by Yates chi-square test

Table (2): Compar	l l l l l l l l l l l l l l l l l l l					1
Parameter		≤25	26-35	36-45	>45	
		yr	yr	yr	yr	P
		N=8	N=19	N=16	N=9	value
		N	N	N	N	
		(%)	(%)	(%)	(%)	
	-ve	1	8	5	4	
Easily triggered		(12.5)	(42.1)	(31.3)	(44.4)	0.762
Easily triggered	+ve	7	11	11	5	00.02
	1 7 0	(87.5)	(57.9)	(68.8)	(55.6)	
	-ve	5	16	11	9	
No angan control	- 40	(62.5)	(84.2)	(68.8)	(100)	0.502
No anger control		3	3	5		0.502
	+ve	(37.5)	(15.8)	(31.3)	0 (0)	
		5	15	10	7	
16	-ve	(62.5)	(78.9)	(62.5)	(77.8)	0.04.5
Mood swing		3	4	6	2	0.916
	+ve	(37.5)	(21.1)	(37.5)	(22.2)	
		,	16	11	9	
	-ve	6 (75)	(84.2)	(68.8)	(100)	0.592
Suicidal thought		0 (10)	3	5	(100)	
	+ve	2 (25)	(15.8)	(31.3)	0 (0)	
		2 (23)	17	16	9	
T 4 11 11	-ve	6 (75)	(89.5)	(100)	(100)	
Incontrollable		0 (13)		(100)	(100)	0.592
sexual drive	+ve	2 (25)	2	0 (0)	0 (0)	
		2 (25)	(10.5)	0 (0)	0 (0)	1.000
	-ve	8	19	16	9	
Reckless sex		(100)	(100)	(100)	(100)	
	+ve	0 (0)	0 (0)	0 (0)	0 (0)	
	-ve		15	10	9	
Self-mutilation		6 (75)	(78.9)	(62.5)	(100)	0.424
Son munution	+ve		4	6		V• : T
	TVC	2 (25)	(21.1)	(37.5)	0 (0)	
	N/O		13	13	7	
Reckless harmful	-ve	6 (75)	(68.4)	(81.3)	(77.8)	0.021
behaviour			6	3	2	0.931
	+ve	2 (25)	(31.6)	(18.8)	(22.2)	
Memory lapses		3	14	9	6	
	-ve	(37.5)	(73.7)	(56.3)	(66.7)	
		5	5	7	3	0.609
	+ve	(62.5)	(26.3)	(43.8)	(33.3)	
Gap between past	-ve	5	16	8 (50)	9	0.107
Gap between past	-ve		10	0 (30)) ²	0.107

and present		(62.5)	(84.2)		(100)	
		3	3			1
	+ve	(37.5)	(15.8)	8 (50)	0 (0)	
	770		18	9	9	
Amnesia	-ve	6 (75)	(94.7)	(56.3)	(100)	0.061
Allinesia	+ve		1	7		0.001
	TVC	2 (25)	(5.3)	(43.8)	0 (0)	
Depersonalization	-ve	5	17	13	9	
		(62.5)	(89.5)	(81.3)	(100)	0.515
	+ve	3	2	3	0 (0)	
		(37.5)	(10.5)	(18.8)	0 (0)	
	-ve	7	14 (73.7)	11 (68.8)	9 (100)	
Derealisation		(87.5)	5	5	(100)	0.598
	+ve	1 (12.5)	(26.3)	(31.3)	0 (0)	
		7	16	13	9	
Acting out of	-ve	(87.5)	(84.2)	(81.3)	(100)	
awareness		1	3	3	(===)	0.863
awar chess	+ve	(12.5)	(15.8)	(18.8)	0 (0)	
			18	15	9	
Disturbed	-ve	6 (75)	(94.7)	(93.8)	(100)	0.602
identity			1	1		0.682
	+ve	2 (25)	(5.3)	(6.3)	0 (0)	
	WO.	3	17	10	9	
Incompetent	-ve	(37.5)	(89.5)	(62.5)	(100)	0.043
meompetent	+ve	5	2	6		
	110	(62.5)	(10.5)	(37.5)	0 (0)	
	-ve	5	14	9	7	
Guilt		(62.5)	(73.7)	(56.3)	(77.8)	0.877
	+ve	3	5	7	2	0.077
		(37.5)	(26.3)	(43.8)	(22.2)	
	-ve	(87.5)	16 (84.2)	12 (75)	9 (100)	
Failure		1	3	(13)	(100)	0.722
	+ve	(12.5)	(15.8)	4 (25)	0 (0)	
		5	14	9	8	
Perceiving	-ve	(62.5)	(73.7)	(56.3)	(88.9)	0.670
himself as		3	5	7	1	0.659
unimportant	+ve	(37.5)	(26.3)	(43.8)	(11.1)	
	-1/0		14	6	5	
Permanent	-ve	4 (50)	(73.7)	(37.5)	(55.6)	0.335
damage	+ve		5	10	4	0.333
	1,70	4 (50)	(26.3)	(62.5)	(44.4)	
	-ve		13	6	6	
No body		2 (25)	(68.4)	(37.5)	(66.7)	0.266
understand	+ve	(75)	6	10	3	0.200
		6 (75)	(31.6)	(62.5)	(33.3)	

	-ve	8	18	13	9	
Deserve what happens	- 10	(100)	(94.7)	(81.3)	(100)	0.682
	+ve		1	3		0.002
	+ve	0 (0)	(5.3)	(18.8)	0 (0)	
	-ve		15	10	3	
Shame telling	- v e	2 (25)	(78.9)	(62.5)	(33.3)	0.097
others	Lwo		4	6	6	0.097
	+ve	6 (75)	(21.1)	(37.5)	(66.7)	
	WO.		17	10	9	
D1 1 16	-ve	6 (75)	(89.5)	(62.5)	(100)	0.273
Blaming self	+ve		2	6		
		2 (25)	(10.5)	(37.5)	0 (0)	
	VO.	5	12		7	
Ddifficulty	-ve	(62.5)	(63.2)	8 (50)	(77.8)	0.798
trusting others	1 ***	3	7		2	0.798
	+ve	(37.5)	(36.8)	8 (50)	(22.2)	
Harm other		7	16	15	9	0.908
	-ve	(87.5)	(84.2)	(93.8)	(100)	
		1	3	1		J 0.908
	+ve	(12.5)	(15.8)	(6.3)	0 (0)	

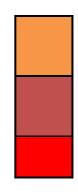
1	•	T	1	1	T	1
Engaging in	-ve	7	14	0 (50)	5	
a harmful relationship		(87.5)	(73.7)	8 (50)	(55.6)	0.513
	+ve	1	5		4	0.010
	+ve	(12.5)	(26.3)	8 (50)	(44.4)	
		5	13	9	5	
Heartburn	-ve	(62.5)	(68.4)	(56.3)	(55.6)	0.965
пеанин	LVO	3	6	7	4	0.905
	+ve	(37.5)	(31.6)	(43.8)	(44.4)	
	-ve	5	15	14	9	
Falling	-ve	(62.5)	(78.9)	(87.5)	(100)	0.572
attack	LVO	3	4	2		
	+ve	(37.5)	(21.1)	(12.5)	0 (0)	
	-ve	1	16	6	6	0.011
SOB	-ve	(12.5)	(84.2)	(37.5)	(66.7)	
SOD	LVO	7	3	10	3	0.011
	+ve	(87.5)	(15.8)	(62.5)	(33.3)	
	WO		12	10	6	
No sexual	-ve	6 (75)	(63.2)	(62.5)	(66.7)	0.990
pleasure	1 770		7	6	3	0.990
	+ve	2 (25)	(36.8)	(37.5)	(33.3)	
	-ve	5	13		5	
Abd. Distension	-ve	(62.5)	(68.4)	8 (50)	(55.6)	0.890
	1 770	3	6		4	0.090
	+ve	(37.5)	(31.6)	8 (50)	(44.4)	
Erectile or	WO	8	14	13	8	0.739
ejaculation	-ve	(100)	(73.7)	(81.3)	(88.9)	0.739

difficulties			5	3	1	
unneutres	+ve	0 (0)	(26.3)	(18.8)	_	
					(11.1)	
	-ve	3	11	7	6	
Somatic pain		(37.5)	(57.9)	(43.8)	(66.7)	0.857
Somatic pain	1770	5	8	9	3	0.057
	+ve	(62.5)	(42.1)	(56.3)	(33.3)	
		5	14	11	5	
	-ve	(62.5)	(73.7)	(68.8)	(55.6)	
Palpitation		3	5	5	4	0.959
	+ve	(37.5)	(26.3)	(31.3)	(44.4)	
		, ,	, ,			
	-ve	8	17	11	7	
Chest pain		(100)	(89.5)	(68.8)	(77.8)	0.527
Chest pain	1770		2	5	2	0.027
	+ve	0 (0)	(10.5)	(31.3)	(22.2)	
			12	11	8	
Peripheral	-ve	4 (50)	(63.2)	(68.8)	(88.9)	
numbness		()	7	5	1	0.674
numbicss	+ve	4 (50)				
		` ′	(36.8)	(31.3)	(11.1)	
	-ve	7	18	13	9	
Peripheral		(87.5)	(94.7)	(81.3)	(100)	0.800
weakness	TANO	1	1	3		J.000
	+ve	(12.5)	(5.3)	(18.8)	0 (0)	
		8	13	14	8	
	-ve	(100)	(68.4)	(87.5)	(88.9)	
Hope		, ,	6	2	1	0.472
	+ve	0 (0)	(31.6)	(12.5)	(11.1)	
Possibility to	-ve	8	19	15	8	
change the		(100)	(100)	(93.8)	(88.9)	0.961
reality	+ve			1	1	
		0 (0)	0 (0)	(6.3)	(11.1)	
	T/O	8	16	15	9	Λ 01 <i>E</i>
Losing faith	-ve	(100)	(84.2)	(93.8)	(100)	0.815
in God			3	1		
	+ve	0 (0)	(15.8)	(6.3)	0 (0)	
		- (*/	9	(2.2)	4	
Uumonitu	-ve	2 (25)	(47.4)	8 (50)	(44.4)	
Humanity		2 (23)		0 (30)		0.874
changed	+ve	(7.5)	10	0.450	5	
		6 (75)	(52.6)	8 (50)	(55.6)	
Family value	-ve		14	13	9	
		6 (75)	(73.7)	(81.3)	(100)	0.706
	1 ***		5	3		0.700
	+ve	2 (25)	(26.3)	(18.8)	0 (0)	
Total		3	9	5	1	
	-ve	(37.5)	(47.4)	(31.3)	(11.1)	
community		5	10	11	8	0.536
destruction	+ve					
		(62.5)	(52.6)	(68.8)	(88.9)	
Country	-ve	5	12	7	3	0.706

Value		(62.5)	(63.2)	(43.8)	(33.3)	
	LVO	3	7	9	6	
	+ve	(37.5)	(36.8)	(56.3)	(66.7)	



Alteration i	n the
regulation of affec	t and
impulses	
Alteration	in
attention	or
consciousness	
Alteration	in
self-perception	



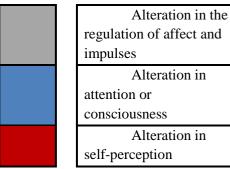
Alteration in relationship with other
somatization
Alteration in the
system of meaning

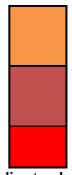
Table (3): Comparison of parameters according to sex by Fisher exact test

Parameter		Females N=20 N (%)	Males N=32 N (%)	P value
Easily triggered	-ve	6 (30)	12 (37.5)	0.766
v 66	+ve	14 (70)	20 (62.5)	
No Anger control	-ve	16 (80)	25 (78.1)	1.000
Tio ringer control	+ve	4 (20)	7 (21.9)	1.000
Mood swing	-ve	15 (75)	22 (68.8)	0.757
Widou swing	+ve	5 (25)	10 (31.3)	0.757
Suicidal thought	-ve	19 (95)	23 (71.9)	0.068
Suicidal thought	+ve	1 (5)	9 (28.1)	0.008
Incontrollable sexual	-ve	18 (90)	30 (93.8)	0.634
drive	+ve	2 (10)	2 (6.3)	0.034
Reckless sex	-ve	20 (100)	32 (100)	1.000
	+ve	0 (0)	0 (0)	1.000
Self-mutilation	-ve	18 (90)	22 (68.8)	0.099
Sen-munation	+ve	2 (10)	10 (31.3)	0.099
Reckless harmful	-ve	16 (80)	23 (71.9)	0.743
behaviour	+ve	4 (20)	9 (28.1)	0.743
Mamaanu langag	-ve	12 (60)	20 (62.5)	1.000
Memory lapses	+ve	8 (40)	12 (37.5)	1.000
Gap between past and	-ve	13 (65)	25 (78.1)	0.347
present	+ve	7 (35)	7 (21.9)	0.347
Amnesia	-ve	16 (80)	26 (81.3)	1.000
Amnesia	+ve	4 (20)	6 (18.8)	1.000
Depersonalization	-ve	18 (90)	25 (78.1)	0.456
	+ve	2 (10)	6 (18.8)	0.430
Derealization	-ve	16 (80)	25 (78.1)	1.000
Derealization	+ve	4 (20)	7 (21.9)	1.000

Acting out of awareness	-ve	17 (85)	28 (87.5)	1.000
	+ve	3 (15)	4 (12.5)	
Disturbed identity	-ve	16 (80)	32 (100)	0.018
	+ve	4 (20)	0 (0)	
Incompetent	-ve	13 (65)	26 (81.3)	0.208
*	+ve	7 (35)	6 (18.8)	
Guilt	-ve	12 (60)	23 (71.9)	0.544
	+ve	8 (40)	9 (28.1)	0,0011
Failure	-ve	16 (80)	28 (87.5)	0.695
	+ve	4 (20)	4 (12.5)	0.052
Perceiving himself as	-ve	15 (75)	21 (65.6)	0.549
unimportant	+ve	5 (25)	11 (34.4)	0.349
Permanent self-damage	-ve	13 (65)	16 (50)	0.392
Permanent sen-damage	+ve	7 (35)	16 (50)	0.392
N 1 1 1 4 1	-ve	9 (45)	18 (56.3)	0.550
No body understand	+ve	11 (55)	14 (43.8)	0.570
2	-ve	17 (85)	31 (96.9)	
Deserve what happens	+ve	3 (15)	1 (3.1)	0.285
GI VIV	-ve	10 (50)	20 (62.5)	
Shame telling others	+ve	10 (50)	12 (37.5)	0.403
Blaming self	-ve	17 (85)	25 (78.1)	
	+ve	3 (15)	7 (21.9)	0.722
	-ve	11 (55)	21 (65.6)	
Difficulty trusting others	+ve	9 (45)	11 (34.4)	0.561
	-ve	19 (95)	28 (87.5)	
Harm other	+ve	1 (5)	4 (12.5)	0.637
Engaging in a harmful	-ve	15 (75)	19 (59.4)	
relationship	+ve	5 (25)	13 (40.6)	0.370
<u> </u>	-ve	11 (55)	21 (65.6)	
Heartburn	+ve	9 (45)	11 (34.4)	0.561
	-ve	15 (75)	28 (87.5)	
Falling attack	+ve	5 (25)	4 (12.5)	0.280
	-ve	10 (50)	19 (59.4)	
SOB	+ve	10 (50)	13 (40.6)	0.574
	-ve	12 (60)	22 (68.8)	
No sexual pleasure	+ve	8 (40)	10 (31.3)	0.561
		12 (60)	19 (59.4)	
Abd. Distension	-ve	8 (40)	13 (40.6)	1.000
	+ve	1 1	1 1	
Somatic pain	-ve	9 (45)	18 (56.3)	0.570
Palpitation	+ve	11 (55)	14 (43.8)	
	-ve	12 (60)	23 (71.9)	0.544
*	+ve	8 (40)	9 (28.1)	
Chest pain	-ve	17 (85)	26 (81.3)	1.000
	+ve	3 (15)	6 (18.8)	,
Peripheral numbness	-ve	14 (70)	21 (65.6)	1.000
	+ve	6 (30)	11 (34.4)	

Peripheral weakness	-ve	17 (85)	30 (93.8)	0.361
1 cripiicrai weakiiess	+ve	3 (15)	2 (6.3)	0.501
Норе	-ve	18 (90)	25 (78.1)	0.454
Поре	+ve	2 (10)	7 (21.9)	0.434
Possibility to change the	-ve	19 (95)	31 (96.9)	1.000
reality	+ve	1 (5)	1 (3.1)	1.000
Loging foith in Cod	-ve	20 (100)	28 (87.5)	
Losing faith in God	+ve	0 (0)	4 (12.5)	0.151
Humanity changed	-ve	9 (45)	14 (43.8)	1.000
Humanity changed	+ve	11 (55)	18 (56.3)	1.000
Family value	-ve	17 (85)	25 (78.1)	0.722
raininy value	+ve	3 (15)	7 (21.9)	0.722
Total community	-ve	9 (45)	9 (28.1)	0.244
destruction	+ve	11 (55)	23 (71.9)	U.244
Country Volus	-ve	14 (70)	13 (40.6)	0.050
Country Value	+ve	6 (30)	19 (59.4)	0.050





Alteration in relationship with other

somatization

Alteration in the system of meaning

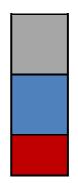
Table (4): Comparison of parameters according to education by Yates's chi-square test

Parameter		Primary N=16 N (%)	Intermediate or Secondary N=15 N (%)	Institute or College N=19 N (%)	P value
Easily triggered	-ve	5 (31.3)	5 (33.3)	8 (42.1)	0.775*
Lashy triggered	+ve	11 (68.8)	10 (66.7)	11 (57.9)	0.775
Anger control	-ve	12 (75)	11 (73.3)	17 (89.5)	0.706
Anger control	+ve	4 (25)	4 (26.7)	2 (10.5)	0.700
Mood swing	-ve	8 (50)	13 (86.7)	15 (78.9)	0.138
Wiood swing	+ve	8 (50)	2 (13.3)	4 (21.1)	U.138
Suicidal thought	-ve	10 (62.5)	13 (86.7)	19 (100)	0.038
Suicidal thought	+ve	6 (37.5)	2 (13.3)	0 (0)	0.038
Incontrollable	-ve	15 (93.8)	12 (80)	19 (100)	0.314
sexual drive	+ve	1 (6.3)	3 (20)	0 (0)	0.314
Reckless sex	-ve	16 (100)	15 (100)	19 (100)	1.000
Reckiess sex	+ve	0 (0)	0 (0)	0 (0)	1.000
Self-mutilation	-ve	11 (68.8)	12 (80)	17 (89.5)	0.517
Sen-mumation	+ve	5 (31.3)	3 (20)	2 (10.5)	0.317
Reckless harmful	-ve	11 (68.8)	13 (86.7)	15 (78.9)	0.730

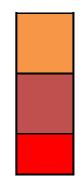
behaviour	+ve	5 (31.3)	2 (13.3)	4 (21.1)	
	-ve	6 (37.5)	11 (73.3)	14 (73.7)	
Memory lapses	+ve	10 (62.5)	4 (26.7)	5 (26.3)	0.050*
Gap between past	-ve	12 (75)	12 (80)	13 (68.4)	
and present	+ve	4 (25)	3 (20)	6 (31.6)	0.914
	-ve	12 (75)	13 (86.7)	16 (84.2)	0.012
Amnesia	+ve	4 (25)	2 (13.3)	3 (15.8)	0.913
D 11 41	-ve	12 (75)	12 (80)	19 (100)	0.220
Depersonalization	+ve	4 (25)	3 (20)	0 (0)	0.229
Dancelingtion	-ve	10 (62.5)	14 (93.3)	17 (89.5)	0.145
Derealization	+ve	6 (37.5)	1 (6.7)	2 (10.5)	0.145
Acting out of	-ve	15 (93.8)	13 (86.7)	16 (84.2)	0.912
awareness	+ve	1 (6.3)	2 (13.3)	3 (15.8)	0.912
Disturbed identity	-ve	14 (87.5)	15 (100)	17 (89.5)	0.785
Disturbed identity	+ve	2 (12.5)	0 (0)	2 (10.5)	0.705
Incompetent	-ve	12 (75)	10 (66.7)	16 (84.2)	0.719
meompetent	+ve	4 (25)	5 (33.3)	3 (15.8)	U./17
Guilt	-ve	9 (56.3)	12 (80)	12 (63.2)	0.358*
Guilt	+ve	7 (43.8)	3 (20)	7 (36.8)	U.358*
Failure	-ve	13 (81.3)	14 (93.3)	16 (84.2)	0.884
r anure	+ve	3 (18.8)	1 (6.7)	3 (15.8)	U.004
Perceiving himself	-ve	11 (68.8)	10 (66.7)	15 (78.9)	0.903
as unimportant	+ve	5 (31.3)	5 (33.3)	4 (21.1)	0.703
Irreversible	-ve	8 (50)	9 (60)	12 (63.2)	0.722*
damage	+ve	8 (50)	6 (40)	7 (36.8)	0.722
No body	-ve	6 (37.5)	9 (60)	11 (57.9)	0.368*
understand	+ve	10 (62.5)	6 (40)	8 (42.1)	0.00
Deserve what	-ve	16 (100)	14 (93.3)	16 (84.2)	0.526
happens	+ve	0 (0)	1 (6.7)	3 (15.8)	0.020
Shame telling	-ve	10 (62.5)	7 (46.7)	12 (63.2)	0.568*
others	+ve	6 (37.5)	8 (53.3)	7 (36.8)	
Blaming self	-ve	12 (75)	12 (80)	17 (89.5)	0.940
J	+ve	4 (25)	3 (20)	2 (10.5)	- · · · ·
Difficulty trusting	-ve	8 (50)	12 (80)	11 (57.9)	0.204*
others	+ve	8 (50)	3 (20)	8 (42.1)	0.20
Harm other	-ve	14 (87.5)	14 (93.3)	18 (94.7)	0.940
	+ve	2 (12.5)	1 (6.7)	1 (5.3)	-
Engaging in a	-ve	11 (68.8)	10 (66.7)	13 (68.4)	
harmful	+ve	5 (31.3)	5 (33.3)	6 (31.6)	0.946
relationship	+ve	0 (0)	1 (6.7)	3 (15.8)	
Heartburn	-ve	11 (68.8)	9 (60)	11 (57.9)	0.790*
	+ve	5 (31.3)	6 (40)	8 (42.1)	
Falling attack	-ve	14 (87.5)	13 (86.7)	15 (78.9)	0.956
	+ve	2 (12.5)	2 (13.3)	4 (21.1)	
SOB	-ve	7 (43.8)	7 (46.7)	14 (73.7)	0.141*
ЗОБ	+ve	9 (56.3)	8 (53.3)	5 (26.3)	V.171

	-ve	10 (62.5)	12 (80)	11 (57.9)	0.25 (1)
No sexual pleasure	+ve	6 (37.5)	3 (20)	8 (42.1)	0.376*
41.1.70.4	-ve	10 (62.5)	9 (60)	12 (63.2)	0.004#
Abd. Distension +v	+ve	6 (37.5)	6 (40)	7 (36.8)	0.981*
Erectile or	-ve	13 (81.3)	12 (80)	17 (89.5)	
ejaculation	LVO				0.941
difficulties	+ve	3 (18.8)	3 (20)	2 (10.5)	
Somatic pain	-ve	7 (43.8)	10 (66.7)	10 (52.6)	0.436*
Somatic pain	+ve	9 (56.3)	5 (33.3)	9 (47.4)	0.430
Palpitation	-ve	11 (68.8)	10 (66.7)	13 (68.4)	0.946
1 aipitation	+ve	5 (31.3)	5 (33.3)	6 (31.6)	0.540
Chest pain	-ve	14 (87.5)	11 (73.3)	16 (84.2)	0.839
Chest pain	+ve	2 (12.5)	4 (26.7)	3 (15.8)	0.839
Peripheral	-ve	11 (68.8)	9 (60)	15 (78.9)	0.703
numbness +ve	+ve	5 (31.3)	6 (40)	4 (21.1)	0.703
Peripheral	-ve	14 (87.5)	14 (93.3)	17 (89.5)	0.951
weakness	+ve	2 (12.5)	1 (6.7)	2 (10.5)	0.931
Норе	-ve	13 (81.3)	13 (86.7)	16 (84.2)	0.956
поре	+ve	3 (18.8)	2 (13.3)	3 (15.8)	0.930
Possibility to	-ve	15 (93.8)	15 (100)	18 (94.7)	0.931
change the reality	+ve	1 (6.3)	0 (0)	1 (5.3)	0.931
Losing faith in	-ve	14 (87.5)	15 (100)	18 (94.7)	0.729
God	+ve	2 (12.5)	0 (0)	1 (5.3)	0.729
Humanity changed	-ve	6 (37.5)	7 (46.7)	9 (47.4)	0.817*
Humanity changeu	+ve	10 (62.5)	8 (53.3)	10 (52.6)	0.017
Family value	-ve	10 (62.5)	14 (93.3)	17 (89.5)	0.145
ranny value	+ve	6 (37.5)	1 (6.7)	2 (10.5)	0.143
Total community	-ve	3 (18.8)	6 (40)	9 (47.4)	0.198*
destruction	+ve	13 (81.3)	9 (60)	10 (52.6)	0.190
Country Value	-ve	4 (25)	10 (66.7)	13 (68.4)	0.019*
Country value	+ve	12 (75)	5 (33.3)	6 (31.6)	0.019

2 cases without any education, * chi-square test



Alteration in the				
regulation of affect	and			
impulses				
Alteration	in			
attention	or			
consciousness				
Alteration	in			
self-perception				



Alteration in relationship with other
somatization
Alteration in the
system of meaning

Table (5): Comparison of parameters according to psychiatric duration history by Fisher exact test

	***	6 (37.5)	3 (25)	
Easily triggered	-ve +ve	10 (62.5)	9 (75)	0.687
	-ve	14 (87.5)	9 (75)	
Anger control	+ve	2 (12.5)	3 (25)	0.624
	-ve	14 (87.5)	6 (50)	
Mood swing		2 (12.5)	6 (50)	0.044
	+ve	14 (87.5)	8 (66.7)	
Suicidal thought	-ve	2 (12.5)	4 (33.3)	0.354
T	+ve	15 (93.8)	11 (91.7)	
Incontrollable sexual drive	-ve	1 (6.3)	1 (8.3)	1.000
dive	+ve	16 (100)	12 (100)	
Reckless sex	-ve			1.000
	+ve	0 (0)	0 (0)	
Self-mutilation	-ve	13 (81.3)	9 (75)	1.000
	+ve	3 (18.8)	3 (25)	
Reckless harmful	-ve	12 (75)	9 (75)	1.000
behaviour	+ve	4 (25)	3 (25)	
Memory lapses	-ve	10 (62.5)	6 (50)	0.702
	+ve	6 (37.5)	6 (50)	
Gap between past and	-ve	12 (75)	9 (75)	1.000
present	+ve	4 (25)	3 (25)	
Amnesia	-ve	15 (93.8)	7 (58.3)	0.057
	+ve	1 (6.3)	5 (41.7)	
Depersonalization	-ve	14 (87.5)	10 (83.3)	1.000
20p0 180 	+ve	2 (12.5)	2 (16.7)	2000
Derealisation	-ve	14 (87.5)	10 (83.3)	1.000
Dereumsution	+ve	2 (12.5)	2 (16.7)	1.000
Acting out of awareness	-ve	15 (93.8)	10 (83.3)	0.560
Acting out of awareness	+ve	1 (6.3)	2 (16.7)	0.500
Disturbed identity	-ve	14 (87.5)	12 (100)	0.492
Disturbed identity	+ve	2 (12.5)	0 (0)	0.472
Incompetent	-ve	14 (87.5)	7 (58.3)	0.103
meompetent	+ve	2 (12.5)	5 (41.7)	0.103
Guilt	-ve	9 (56.3)	6 (50)	1.000
- Cuit	+ve	7 (43.8)	6 (50)	1.000
Failure	-ve	15 (93.8)	8 (66.7)	0.133
ramure	+ve	1 (6.3)	4 (33.3)	0.133
Perceiving himself as	-ve	11 (68.8)	7 (58.3)	0.698
unimportant	+ve	5 (31.3)	5 (41.7)	0.098
Innovenciale democe	-ve	7 (43.8)	7 (58.3)	0.704
Irreversible damage	+ve	9 (56.3)	5 (41.7)	0.704
No hode and and	-ve	9 (56.3)	3 (25)	0.126
No body understand	+ve	7 (43.8)	9 (75)	0.136
D 1-1	-ve	13 (81.3)	11 (91.7)	0.712
Deserve what happens	+ve	3 (18.8)	1 (8.3)	0.613

		0 (50)	4 (22.2)	
Shame telling others	-ve +ve	8 (50) 8 (50)	4 (33.3) 8 (66.7)	0.495
	-ve	14 (87.5)	8 (66.7)	
Blaming self	+ve	2 (12.5)	4 (33.3)	0.354
	-ve	9 (56.3)	5 (41.7)	
Difficulty trusting others	+ve	7 (43.8)	7 (58.3)	0.704
	-ve	13 (81.3)	12 (100)	
Harm other	+ve	3 (18.8)	0 (0)	0.238
	-ve	11 (68.8)	7 (58.3)	
Engaging in a harmful	+ve	5 (31.3)	5 (41.7)	0.698
relationship	+ve	8 (50)	10 (83.3)	0.070
	-ve	12 (75)	6 (50)	
Heartburn	+ve	4 (25)	6 (50)	0.243
		11 (68.8)	11 (91.7)	
Falling attack	-ve +ve	5 (31.3)	1 (8.3)	0.196
	-ve	9 (56.3)	5 (41.7)	
SOB	+ve	7 (43.8)	7 (58.3)	0.704
		10 (62.5)	7 (58.3)	
No sexual pleasure	-ve	6 (37.5)	5 (41.7)	1.000
	+ve	12 (75)	5 (41.7)	
Abd. Distension	-ve		7 (58.3)	0.121
Exectile on significant	+ve	4 (25) 14 (87.5)	10 (83.3)	
Erectile or ejaculation difficulties	-ve +ve	2 (12.5)	2 (16.7)	1.000
	-ve	9 (56.3)	5 (41.7)	
Somatic pain	+ve	7 (43.8)	7 (58.3)	0.704
	-ve	12 (75)	6 (50)	
Palpitation	+ve	4 (25)	6 (50)	0.243
	-ve	16 (100)	7 (58.3)	
Chest pain	+ve	0 (0)	5 (41.7)	0.008
	-ve	12 (75)	7 (58.3)	
Peripheral numbness	+ve	4 (25)	5 (41.7)	0.432
	-ve	15 (93.8)	11 (91.7)	
Peripheral weakness	+ve	1 (6.3)	1 (8.3)	1.000
	-ve	13 (81.3)	11 (91.7)	
Норе	+ve	3 (18.8)	1 (8.3)	0.613
Possibility to change the	-ve	16 (100)	12 (100)	
reality	+ve	0 (0)	0 (0)	1.000
	-ve	14 (87.5)	11 (91.7)	1.000
Losing faith in God	+ve	2 (12.5)	1 (8.3)	
			3 (25)	
	-ve	/ (43.8)		
Humanity changed		7 (43.8) 9 (56.3)		0.434
	-ve +ve -ve	9 (56.3)	9 (75)	
Humanity changed Family value	+ve	· · · ·		1.000

destruction	+ve	8 (50)	10 (83.3)	
Communication Works	-ve	9 (56.3)	3 (25)	0.136
Country Value	+ve	7 (43.8)	9 (75)	0.130

Alteration in the regulation of affect and impulses	Alteration in relationship with other
Alteration in attention or consciousness	somatization
Alteration in self-perception	Alteration in the system of meaning

Discussion

The great resilience of individuals in our culture is thought to account for the 28.8% comorbidity of complicated post-traumatic stress disorder with post-traumatic stress (Chart no. (1)).

According to sociodemographic data, among the 52 patients in the sample who had already received a PTSD diagnosis, more than half (61.5%) were male, and 38.5 percent were female. In contrast to the findings of Daniel N. Ditlevsen et al.'s study, among those with complex PTSD (60%) were men and 40% were women (Chart no. 2). This discrepancy may be due to the limited sample size and the ways in which our cultural traditions expose men more to stress. (10)

The majority of patients with PTSD were between the ages of 26 and 35 (36.5%). For patients with complex PTSD, patients between the ages of 26 and 45 represent 80% of the sample (Chart no. (3)), which is consistent with a study by Bihan Tang et al. This may be explained by the fact that individuals in this age group are more likely to experience stress.

Low educational attainment was present in 47% of the sample for complicated PTSD, and This finding is in line with research by Bihan Tang et al. that shows education level has an indirect impact on social status, economic resources, social networks, and health-related behaviors. Because they have more social and financial resources, people with higher levels of education and socioeconomic standing may employ better-coping mechanisms and eventually experience less stress. Employed patients had greater rates of occupation PTSD and complex PTSD (36.5%) (60%), which is at odds with research by Mark W. G. Bosmans and Peter G. Van der Velden. This might be explained by a work-related disability that prompted the patient to seek assistance; alternatively, it could be the result of a patient fabricating a medical condition in order to obtain financial assistance or a leave of absence from work[15,16].

Regarding marital status for PTSD, 65% of patients were married, while for complex PTSD (60%) were married. And this is inconsistent with the study of <u>Bayard Roberts</u> et al., and this could be due to the additional familial demands that married personnel may face upon their return from deployment or to the stresses associated with poor marital satisfaction. (55.7%) of Patients with PTSD and (53%) of complex PTSD Patients were found to have previous psychiatric visits; this is consistent with the study by M. Klaric et al.

There is a near significant correlation between dissociative amnesia and being aged between 36 and 45 years (P=0.061), and this is maybe because 56% of this age group is military, which are vulnerable to a high level of stress and trauma. Also, this age group consists of 40% females, which are more prone to had psychogenic amnesia[17].

There is a significant correlation between being under 25 years of age with feelings of incompetence (P=0.043) and shortness of breath (P=0.011); this may be explained by the low-stress threshold, hormonal affect, and immature coping strategies at this age.

There is a near significant correlation between being male and having suicidal thoughts (P=0.068), and this is because the male gender is at higher risk for suicide. And this may be because women are willing to share their problems, and men tend to bottle them up. There is a significant correlation between psychogenic amnesia and being female (P=0.018), and this is because females have low stress thresholds and are more prone to psychogenic

amnesia.

There is a significant correlation between losing country value and being male (P=0.050), which may be explained by more aversive trauma males are exposed to, resulting in mental death, which is associated with losing of core beliefs and values.

There is a significant correlation between suicidal thoughts and Patients with low educational achievement (P=0.038)

Significant correlation between memory problems and low education (P=0.050), and this is consistent with the study by Sonia Maria et al. [18], a significant correlation between suicidal thoughts and being military (P=0.010) and this explained by the fact that military Patients are male which is a risk factor for suicide and also being military make the individual at risk for more aversive traumatic event.

There is a near significant correlation between being unmarried and having uncontrollable sexual drive (P=0.058), which may be because being married allows Patients to release their sexual needs or maybe it's being under-reported due to social tradition being in.

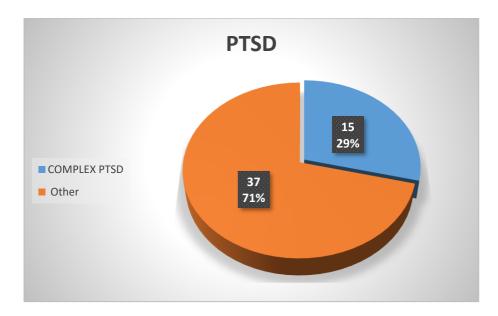
There is a significant correlation between guilty feelings and being separated, divorced, or widowed (P=0.025) this is because the reaction to separation and divorce is just like a bereavement, and it's normal to feel guilty or blaming self.

There is a significant correlation between mood swings and having a history of previous psychiatric visits (P=0.044), and this can be a result of PTSD itself; the mood in PTSD swings as a result of sympathetic nervous system activation (the "fight or flight" state), also already having mental health problem make a person more vulnerable to other psychiatric illness.

There is a near significant correlation between having amnesia and having a history of previous psychiatric visits (P=0.057), and this may explained be by the fact that dissociation is related to specific and subtle impairments in neurocognition.

There is a significant correlation between chest pain and having a history of previous psychiatric visits (P=0.008) because stress is the most common cause for unexplained chest pain, and chest pain is considered a marker for anxiety disorder.

There is a significant correlation between being mentally ill and feeling guilty (P=0.037) and ashamed to tell others (P=0.026). This is because people with mental illnesses usually feel shame about not being what they perceive as "normal." They may feel like they're "broken" or "damaged" or "they'll always be this way." They judge themselves. They compare their internal lives to others' external lives, which they view as successful.



art no. (1)

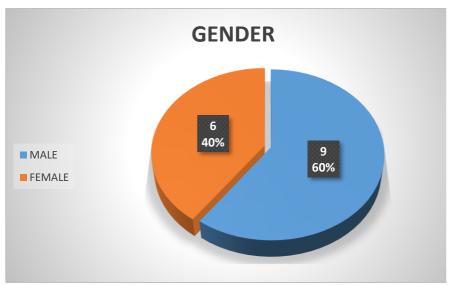


Chart no. (2)

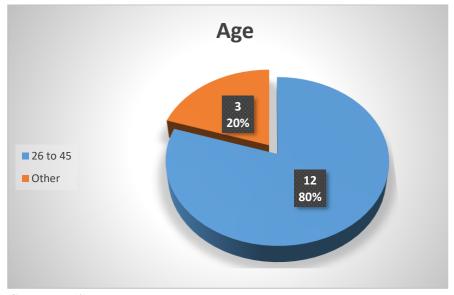


Chart no. (3)

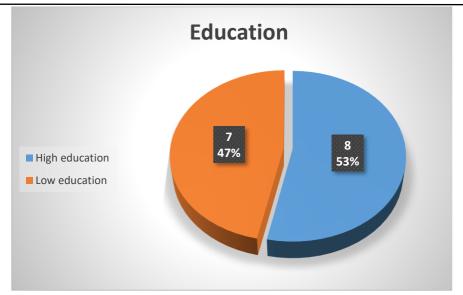


Chart no. (4)

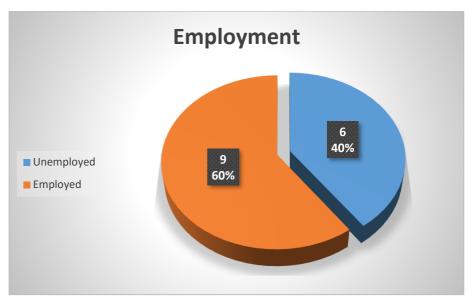


Chart no. (5)

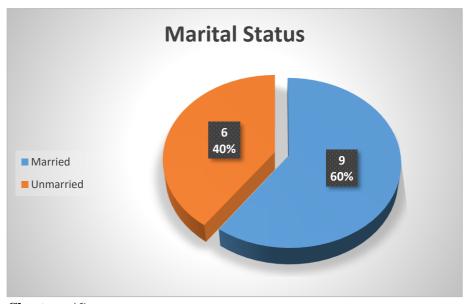


Chart no. (6)

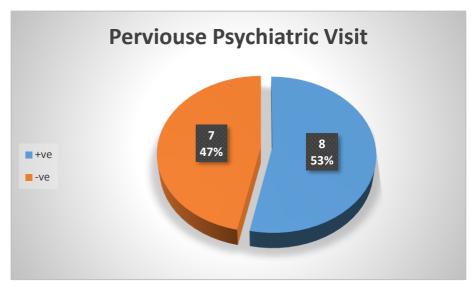


Chart no. (7)

Conclusions

- The prevalence of complex PTSD in Patients with PTSD was (28.8%).
- Most of PTSD Patients were young, male, married, high educational level, and employed.
- Most of the C-PTSD Patients were young, male, married, highly educated, have previous psychiatric visits, and were employed.

Most frequently reported complaint is the alteration of affect and impulses and alteration in systems of meanings.

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