

**Table 1)** Comparison of mean and standard deviation of age, BMI, and mean of received volume in two groups

Variable	Control group	Intervention group	Value
Age	43.58±10.43	44.51±11.73	t=0.42 df=104 p=0.66
BMI	23.6±3.76	2.50±3	t=1.34 df=99.1 p=0.18
Mean of received volume (The first 24 hours)	1.97±1.05	2.06±0.96	t=0.45 df=104 p=0.64
Mean of received volume (The second 24 hours)	0.98±0.88	1.09±0.9	t=0.59 df=104 p=0.55
Mean of received volume (More than 48 hours)	0.32±0.57	0.43±0.63	t=0.96 df=104 p=0.33

**Table 2)** Comparison of frequency distribution of variables in two groups (53 people)

Variable	Control group (frequency)	Intervention group (frequency)	Value
<b>Gender</b>			
Female	33 (62.3)	29 (54.7)	$\chi^2=0.62$ df=1 p=0.43
Male	20 (37.7)	24 (45.3)	
<b>Education</b>			
Lack of reading and writing literacy	14 (26.4)	16 (30.2)	$\chi^2=1.34$ df=4 p=0.85
Primary school	12 (22.6)	13 (24.5)	
Secondary school	5 (9.4)	4 (7.5)	
Diploma	11 (20.8)	7 (13.2)	
university	11 (20.8)	13 (24.5)	
<b>Marital status</b>			
<b>Single</b>	9 (17)	9 (17)	$\chi^2=0.0$ df=1 p=0.1
<b>Married</b>	44 (83)	44 (83)	
<b>Underlying disease</b>			
No	11 (20.8)	18 (34)	$\chi^2=7.75$ df=5 p=0.17
Diabetes	14 (26.4)	13 (24.5)	
HTN	10 (18.39)	7 (13.2)	
Respiratory	10 (18.39)	10 (18.9)	
Cardio-pulmonary	3 (5.7)	5 (9.4)	
Other	5 (9.4)	0 (0)	
<b>Addiction</b>			
No	35 (66)	37 (69.8)	$\chi^2=0.17$ df=2 p=0.91
Smoke	10 (18.9)	9 (17)	
Edible	8 (15.1)	7 (13.2)	

**Table 3)** Overall comparison of the phlebitis incidence among the research units in the two groups

Phlebitis group	Intervention		Control		Chi-square
	No.	Percentage	No.	Percentage	
<b>Yes</b>	13	24.5	18	34	$\chi^2=1.4$
<b>No</b>	40	75.5	35	66	df=1
<b>Total</b>	53	100	53	100	p=0.28

**Table 4)** Comparison of the phlebitis incidence in the two groups in the first 24 hours, the second, and more than 48 hours

Phlebitis group	Intervention		Control		Value
	No.	Percentage	No.	Percentage	
<b>The first 24 hours</b>					
Yes	1	10	4	30	$\chi^2=1.43$ df=1 p=0.23
No	9	90	9	70	
<b>The second 24 hours</b>					
Yes	4	6.16	9	14.2	$\chi^2=1.66$ df=1 p=1.97
No	14	4.83	11	9.57	
<b>More than 48 hours</b>					
Yes	8	32	6	5.28	$\chi^2=0.06$ df=1 p=0.8
No	17	68	15	71.5	