

1. Descriptive Statistics

		N	%
Groups	10 mmHg	20	50
	13 mmHg	20	50
Age (mean±SD)		37.35±10.91	
BMI		44.70±4.37	
Operation history	Present	7	17.5
	Absent	33	82.5
Duration of exposure to pressure (min) (mean±SD)		85.18±27.1	
Hospital stay (days) (mean±SD)		5.98±1.23	

2. Descriptive Statistics of Blood Parameters

	Preoperative	Hour 6	Hour 12	Hour 24
Urea	25.83±6.89	19.33±4.55	16.20±4.78	13.90±4.85
Creatinine	0.69±0.19	0.68±0.18	0.64±0.14	0.66±0.14
AST	18.75±5.72	39.90±30.35	37.10±33.09	37.90±33.23
ALT	24.23±13.90	40.05±26.77	37.65±28.12	38.85±35.72
GGT	25.80±11.82	23.23±11.68	22.83±11.26	22.08±10.49
Total bilirubin	0.48±0.29	0.49±0.32	0.64±0.45	0.73±0.60
Direct bilirubin	0.26±0.25	0.23±0.15	0.28±0.24	0.30±0.16
ALP	76.05±21.02	69.49±19.18	63.97±17.62	59.03±17.72
PT	13.24±2.56			
INR	1.00±0.11			

Table 3: Comparison of Demographic and Clinical Parameters between the Study Groups

	10 mmHg		13 mmHg		t	p
	Mean	SD	Mean	SD		
Age	38.50	10.57	36.20	11.39	0.662	0.512
BMI	44.16	4.32	45.24	4.46	-0.778	0.441
Duration of exposure to pressure (min)	77.30	13.95	93.05	34.38	-1.898	0.069
Hospital stay (days)	5.90	0.97	6.05	1.50	-0.375	0.710

t: Independent samples t-test

Table 4: Comparison of Blood Parameters between the Study Groups

	10 mmHg		13 mmHg		t	p
	Mean	SD	Mean	SD		
Urea (preoperative)	26.50	6.86	25.15	7.02	0.615	0.542
Urea (hour 6)	19.35	4.92	19.30	4.27	0.034	0.973
Urea (hour 12)	17.65	4.73	14.75	4.48	1.991	0.054
Urea (hour 48)	15.25	4.79	12.55	4.63	1.813	0.078
Creatinine (preoperative)	0.69	0.18	0.69	0.20	0.024	0.981
Creatinine (hour 6)	0.68	0.13	0.68	0.21	-0.062	0.951
Creatinine (hour 12)	0.62	0.13	0.66	0.15	-0.911	0.368
Creatinine (hour 48)	0.64	0.12	0.68	0.15	-0.758	0.453
AST (preoperative)	18.75	6.50	18.75	4.98	0.000	1.000
AST (hour 6)	35.50	20.10	44.30	38.03	-0.915	0.366
AST (hour 12)	31.80	17.95	42.40	43.20	-1.013	0.317
AST (hour 48)	36.60	27.86	39.20	38.56	-0.244	0.808
ALT (preoperative)	24.25	17.04	24.20	10.29	0.011	0.991
ALT (hour 6)	35.95	24.74	44.15	28.71	-0.968	0.339
ALT (hour 12)	33.60	23.40	41.70	32.27	-0.909	0.369
ALT (hour 48)	38.10	32.15	39.60	39.80	-0.131	0.896
GGT (preoperative)	28.00	13.54	23.60	9.66	1.183	0.244
GGT (hour 6)	25.35	14.40	21.10	7.94	1.156	0.255
GGT (hour 12)	26.10	13.52	19.55	7.39	1.901	0.065
GGT (hour 48)	24.35	11.60	19.80	8.95	1.388	0.173
Total bilirubin (preoperative)	0.53	0.35	0.43	0.22	1.055	0.298
Total bilirubin (hour 6)	0.59	0.39	0.40	0.21	1.930	0.061
Total bilirubin (hour 12)	0.75	0.57	0.54	0.27	1.433	0.163
Total bilirubin (hour 48)	0.87	0.80	0.58	0.23	1.571	0.130
Direct bilirubin (preoperative)	0.28	0.23	0.24	0.28	0.491	0.626
Direct bilirubin (hour 6)	0.27	0.18	0.18	0.09	2.160	0.040*
Direct bilirubin (hour 12)	0.34	0.32	0.23	0.13	1.385	0.178
Direct bilirubin (hour 48)	0.34	0.19	0.26	0.11	1.802	0.081
ALP (preoperative)	75.53	23.59	76.50	19.19	-0.138	0.891

ALP (hour 6)	71.82	21.44	67.50	17.35	0.678	0.502
ALP (hour 12)	66.53	20.48	61.80	14.97	0.810	0.423
ALP (hour 48)	64.71	16.12	54.20	17.98	1.857	0.072
PT	13.64	3.55	12.85	0.69	0.976	0.340
INR	1.01	0.14	0.98	0.05	0.660	0.513

t: Independent samples *t*-test

* $p < 0.05$

Table 5: Comparison of the Intrajugular Vein Diameter and Flow Values of the Study Groups According to Measurement Times

	10 mmHg		13 mmHg		t	p
	Mean	SD	Mean	SD		
t1 vein diameter (cm)	2.12	0.41	1.59	0.43	3.991	0.000**
t2 vein diameter (cm)	1.53	0.29	0.95	0.28	6.480	0.000**
t3 vein diameter (cm)	1.84	0.27	1.22	0.28	7.021	0.000**
Statistical analysis (F/p)	46.814	0.000**	36.076	0.000**		
t1 flow (mm/sec)	20.11	3.69	15.63	2.68	4.387	0.000**
t2 flow (mm/sec)	16.94	2.97	10.31	2.13	8.108	0.000**
t3 flow (mm/sec)	18.76	3.27	14.15	2.46	5.042	0.000**
Statistical analysis (F/p)	28.141	0.000**	47.864	0.000**		

F: Repeated-measures ANOVA; t: Independent samples t-test

**** $p < 0.001$**

Table 6: Relationship between Measurements and Investigated Parameters

		Age		BMI		Duration of exposure to pressure (min)		Hospital stay (days)	
		r	p	r	p	r	p	r	p
10mmHg	t1 vein diameter (cm)	-0.071	0.766	-0.021	0.931	-0.095	0.69	-0.173	0.466
	t2 vein diameter (cm)	-0.27	0.249	-0.206	0.384	0.03	0.899	0.017	0.943
	t3 vein diameter (cm)	0.03	0.9	0.12	0.614	-0.15	0.528	-0.171	0.472
	t1 flow (mm/sec)	0.029	0.905	0.296	0.205	-0.344	0.138	-0.217	0.358
	t2 flow (mm/sec)	0.185	0.435	0.229	0.332	-0.177	0.455	-0.184	0.438
	t3 flow (mm/sec)	0.121	0.612	0.312	0.181	-0.281	0.229	-0.262	0.265
13mmHg	t1 vein diameter (cm)	-0.285	0.223	-0.492	0.027*	0.167	0.48	-0.112	0.638
	t2 vein diameter (cm)	0.06	0.802	-0.334	0.151	-0.093	0.696	-0.265	0.258
	t3 vein diameter (cm)	-0.074	0.755	-0.487	0.029*	0.02	0.934	-0.144	0.545
	t1 flow (mm/sec)	-0.192	0.418	-0.209	0.375	0.472	0.036*	0.128	0.592
	t2 flow (mm/sec)	-0.119	0.616	0.027	0.911	0.26	0.267	0.058	0.809
	t3 flow (mm/sec)	-0.096	0.688	-0.188	0.428	0.493	0.027*	0.148	0.532

*r: Pearson's correlation coefficient*** p < 0.05*