

Table 2: Comparison of the mean levels of cytokines, adhesion molecules, and peripheral venous blood counts between groups preoperatively and at different postoperative times.

		Non-Tourniquet group	Tourniquet group	p-value
IL-1b (pg/ml)	Preoperatively	1.01 (0.64)	2.45 (5.8)	0.95**
	1 st postop hour	1.29 (0.88)	1.36 (1.23)	0.76**
	3 rd postop hour	1.87 (1.94)	1.31 (1.56)	0.22**
	6 th postop hour	1.29 (2.05)	0.81 (0.6)	0.42**
	1 st postop day	1.05 (1.04)	0.96 (0.68)	0.71**
IL-6 (pg/ml)	Preoperatively	12.4 (32.3)	5.6 (9.8)	0.28**
	1 st postop hour	49.53 (100.73)	26.74 (36.92)	0.24**
	3 rd postop hour	114.9 (102.6)	96.13 (96.16)	0.40**
	6 th postop hour	160.8 (184.9)	278.6 (469.3)	0.39**
	1 st postop day	102.9 (80.9)	207.8 (220.6)	0.055*
IL-10 (pg/ml)	Preoperatively	3.7 (3.7)	2.1 (2.1)	0.29**
	1 st postop hour	31.5 (40.4)	25.7 (38.1)	0.71**
	3 rd postop hour	40.8 (77.5)	16.3 (21.2)	0.22**
	6 th postop hour	10.43 (19.3)	12.7 (30.8)	0.14**
	1 st postop day	12.4 (19.3)	12.7 (30.8)	0.83**
CRP (µg/ml)	Preoperatively	9.4 (13.7)	9.3 (11.8)	0.67**
	1 st postop hour	10.0 (16.2)	10.2 (14.5)	0.69**
	3 rd postop hour	12.8 (20.4)	11.1 (14.1)	0.68**
	6 th postop hour	19.4 (22.3)	15.6 (15.2)	0.97**
	1 st postop day	42.4 (27.8)	38.8 (22.6)	0.64*
ICAM (ng/ml)	Preoperatively	400.9 (173.58)	399.0 (88.1)	0.96*
	1 st postop hour	331.13 (148.5)	368.8 (95.9)	0.33*
	3 rd postop hour	346.4 (148.7)	351.2 (124.5)	0.90*
	6 th postop hour	378.3 (155.6)	365.8 (92.6)	0.94**
	1 st postop day	387.1 (86.02)	400.5 (131.12)	0.69*
VCAM (ng/ml)	Preoperatively	1239.8 (619.7)	1513.5 (846.0)	0.24**
	1 st postop hour	1218.4 (542.6)	1749.3 (1145.9)	0.24**
	3 rd postop hour	1373.4 (769.6)	1280.9 (398.7)	0.80**
	6 th postop hour	1269.7 (355.5)	1647.9 (747.3)	0.21*
	1 st postop day	1335.3 (667.2)	1425.0 (884.3)	0.59**
Hct (%)	Preoperatively	37.2 (6.1)	36.3 (5.31)	0.6*
	1 st postop hour	35.6 (4.8)	36.1 (4.4)	0.72*
	3 rd postop hour	35.5 (4.6)	33.3 (5.5)	0.16*
	6 th postop hour	35.7 (4.7)	32.2 (5.2)	0.02*
	1 st postop day	34.0 (4.4)	31.9 (5.3)	0.38**
Hb (g/dl)	Preoperatively	12.59 (2.21)	12.12 (1.78)	0.45*
	1 st postop hour	11.99 (1.78)	11.89 (1.47)	0.84*
	3 rd postop hour	11.66 (1.61)	10.93 (1.76)	0.16*
	6 th postop hour	11.6 (1.71)	10.6 (1.72)	0.06*
	1 st postop day	10.7 (2.5)	10.72 (2.78)	0.92**
WBC (x10 ³ / µL)	Preoperatively	7.17 (2.58)	6.7 (1.58)	0.84**
	1 st postop hour	7.2 (2.5)	7 (1.85)	0.84**
	3 rd postop hour	7.63 (2.57)	7.49 (2.53)	0.61**
	6 th postop hour	8.01 (2.65)	8.02 (2.07)	0.57**
	1 st postop day	10.1 (3.7)	10.1 (2.7)	0.60**

The values are given as mean with standard deviations in parentheses. *: tests performed using Student's t-test, **: tests performed using Mann-Whitney U test, IL-1b: Interleukin 1b, IL-6/ IL-10: Interleukin 6 and 10, CRP: C-reactive protein, ICAM: intercellular adhesion molecule, VCAM: vascular adhesion molecule, Hct: hematocrit, Hb: hemoglobin, WBC: white blood cell count.