

Table (3) *Distribution of Studied Children According to Pain Assessment Using Wong–Baker faces pain Assessment Before, During & After Needle Insertion*

	1 st session						2 nd session						3 rd session					
	Group I (Valsalva maneuver group)		Group II (cryotherapy group)		Chi – Square / Fisher’s exact test		Group I (Valsalva maneuver group)		Group II (cryotherapy group)		Chi – Square / Fisher’s exact test		Group I (Valsalva maneuver group)		Group II (cryotherapy group)		Chi – Square / Fisher’s exact test	
	N	%	N	%	X ²	P	N	%	N	%	X ²	P	N	%	N	%	X ²	P
Before needle insertion																		
No pain	0	0.0	0	0.0			0	0.0	0	0.0			0	0.0	0	0.0		
Mild pain	10	25.0	17	42.5			27	67.5	17	42.5			28	70.0	15	37.5		
Moderate pain	26	65.0	21	52.5			13	32.5	23	57.5			12	30.0	25	62.5		
Severe pain	4	10.0	2	5.0	3.013	0.221	0	0.0	0	0.0	5.050	0.024*	0	0.0	0	0.0	8.497	0.004*
During needle insertion																		
No pain	0	0.0	0	0.0			11	27.5	0	.0			10	25.0	0	0.0		
Mild pain	10	25.0	12	30.0			28	70.0	22	55.0			28	70.0	21	52.5		
Moderate pain	16	40.0	16	40.0			1	2.5	17	42.5			2	5.0	17	42.5		
Severe pain	14	35.0	12	30.0	0.335	0.845	0	0.0	1	2.5	26.940	<0.001**	0	0.0	2	5.0	24.842	<0.001**
Post needle insertion																		
No pain	0	0.0	0	0.0			21	52.5	3	7.5			21	52.5	2	5.0		
Mild pain	6	15.0	7	17.5			18	45.0	14	35.0			17	42.5	15	37.5		
Moderate pain	34	85.0	33	82.5	0.091	0.761	1	2.5	23	57.5	34.166	<0.001**	2	5.0	23	57.5	33.460	<0.001**
Severe pain	0	0.0	0	0.0			0	0.0	0	0.0			0	0.0	0	0.0		