

**Table (1): Comparison between the two studied groups according to demographic data**

	Group I Salbutamol (n = 50)		Group II No salbutamol (n = 50)		Test of Sig.	P
	No.	%	No.	%		
<b>Sex</b>						
Male	26	52.0	28	56.0	$\chi^2=$ 0.161	0.688
Female	24	48.0	22	44.0		
<b>Mother's age</b>						
Min. – Max.	25.0 – 34.0		25.0 – 38.0		t= 0.270	0.788
Mean $\pm$ SD.	29.04 $\pm$ 2.86		29.20 $\pm$ 3.06			
Median (IQR)	29.0 (26.0 – 32.0)		29.0 (26.0 – 32.0)			
<b>Weight (kg)</b>						
Min. – Max.	2.10 – 4.30		2.10 – 5.0		t= 0.289	0.773
Mean $\pm$ SD.	3.04 $\pm$ 0.64		3.08 $\pm$ 0.68			
Median (IQR)	2.90 (2.50 – 3.50)		2.90 (2.50 – 3.70)			

$\chi^2$ : Chi square test

t: Student t-test

p: p value for comparing between the studied groups

**Table (2): Comparison between the two studied groups according to maternal risk factors**

Maternal history	Group I Salbutamol (n = 50)		Group II No salbutamol (n = 50)		$\chi^2$	P
	No.	%	No.	%		
Premature	21	42.0	24	48.0	0.364	0.546
Born by CS	41	82.0	44	88.0	0.706	0.401
Asthmatic mother	6	12.0	8	16.0	0.332	0.564
Perinatal asphyxia	11	22.0	8	16.0	0.585	0.444
DM	9	18.0	8	16.0	0.071	0.790
HTN	6	12.0	6	12.0	0.0	1.000
SGA	20	40.0	19	38.0	0.042	0.838

$\chi^2$ : Chi square test

p: p value for comparing between the studied groups

**Table (3): Comparison between the two studied groups according to APGAR score**

APGAR score	Group I Salbutamol (n = 50)		Group II No salbutamol (n = 50)		T	P
	No.	%	No.	%		
<b>1 minute</b>						
Min. – Max.	4.0 – 6.0		4.0 – 6.0		0.375	0.709
Mean ± SD.	5.04 ± 0.53		5.0 ± 0.53			
Median (IQR)	5.0 (5.0 – 5.0)		5.0 (5.0 – 5.0)			
<b>5 minutes</b>						
Min. – Max.	8.0 – 9.0		8.0 – 9.0		0.432	0.666
Mean ± SD.	8.32 ± 0.47		8.28 ± 0.45			
Median (IQR)	8.0 (8.0 – 9.0)		8.0 (8.0 – 9.0)			

t: Student t-test

p: p value for comparing between the studied groups

\*: Statistically significant at  $p \leq 0.05$

**Table (4): Comparison between the two studied groups according to examination before treatment:**

	Group I Salbutamol (n = 50)		Group II No salbutamol (n = 50)		$\chi^2$	P
	No.	%	No.	%		
<b>Heart examination (normal)</b>	50	100.0	50	100.0	–	–
<b>Chest examination (Tachypnea)</b>	50	100.0	50	100.0	–	–
<b>Grade of distress</b>						
RD II	31	32	30	60	0.04	0.8
RD III	19	38	20	40		
<b>Echo</b>						
Normal	45	90.0	46	92.0	0.122	FE p= 1.000
PFO	5	10.0	4	8.0		

$\chi^2$ : Chi square test

FE: Fisher Exact

p: p value for comparing between the studied groups

**Table (5): Comparison between the two studied groups according to examination After 3 days**

After 3 days	Group I Salbutamol (n = 50)		Group II No salbutamol (n = 50)		$\chi^2$	P
	No.	%	No.	%		
<b>Heart examination (normal)</b>	50	100.0	50	100.0	–	–
<b>Chest examination (Tachypnea)</b>	50	100.0	50	100.0	–	–
<b>Grade of distress</b>						
No distress	46	92	2	4	79.5	< 0.0005
<b>RD II</b>	0	0.00	32	64		
<b>RD III</b>	4	8.00	16	32		

$\chi^2$ : Chi square test

FE: Fisher Exact

p: p value for comparing between the studied groups

\*: Statistically significant at  $p \leq 0.05$

**Table (6): Comparison between the two studied groups according to enteral feeding initiation:**

	Group I Salbutamol (n = 50)	Group II No salbutamol (n = 50)	Test of Sig	P
Min. – Max.	22.0 – 34.0	<b>23.0 – 41.0</b>	t = 7.661*	<0.001*
Mean $\pm$ SD.	26.60 $\pm$ 3.72	<b>32.74 <math>\pm</math> 4.28</b>		
Median (IQR)	25.0 (24.0 – 28.0)	<b>33.0 (29.0 – 35.0)</b>		

t: Student t-test

**Table (7): Comparison between the two studied groups according to TTN score after treatment (3 days):**

TTN score	Group I Salbutamol (n = 50)	Group II No salbutamol (n = 50)	U	P
<b>Min. – Max.</b>	0.0 – 5.0	2.0 – 7.0	589.50*	<0.001*
<b>Mean <math>\pm</math> SD.</b>	3.68 $\pm$ 1.06	4.78 $\pm$ 1.06		
<b>Median (IQR)</b>	4.0 (3.0 – 4.0)	5.0 (4.0 – 5.0)		

U: Mann Whitney test

p: p value for comparing between the studied group

**Table (8): Comparison between the two studied groups according to different parameters**

	Group I Salbutamol (n = 50)		Group II No salbutamol (n = 50)		Test of Sig.	P
	No.	%	No.	%		
<b>Respiratory support</b>						
Oxygen cannula	46	92.0	30	60.0	$\chi^2 =$ 14.035*	<0.001*
NCPAP	4	8.0	20	40.0		
<b>Duration of need for oxygen therapy (hour)</b>						
	(n = 46)		(n = 30)			
Min. – Max.	12.0 – 35.0		45.0 – 90.0		U= 0.0*	<0.001*
Mean ± SD.	23.42 ± 6.71		67.40 ± 12.69			
Median (IQR)	23.50 (18.0 – 28.50)		65.0 (56.0 – 76.0)			

$\chi^2$ : Chi square test      U: Mann Whitney test

p: p value for comparing between the studied groups

\*: Statistically significant at  $p \leq 0.05$

**Table (9): Comparison between the two studied groups according to hospital stay:**

Hospital stay (days)	No salbutamol group n=50	Salbutamol group n= 50	Test	P-value
Mean ± SD	5.08 ± 1.14	3.12 ± 0.43	-11.358	<0.0001