Table (1): Comparisons between studied groups as regard demographic data.

Item		Mask (n = 20)		Nasal (n = 20)		Naso- pharyngeal (n = 20)		P-value
Sex	Male	8	40%	14	70%	12	60%	0.150 NS
SEA	Female	12	60%	6	30%	8	40%	0.130 NS
	34 weeks	12	60%	6	30%	12	60%	
Gestational age	35 weeks	4	20%	8	40%	2	10%	0.141 NS
···g·	36 weeks	4	20%	6	30%	6	30%	
Woight (kg)	Mean	2.23		2.24		2.17	7	0.966 NS
Weight (kg)	±SD	0.38		0.44		0.34	1	0.300 113
Duration (days)	Mean	4.4		4.8		4.2		0.423 NS
Duration (days)	±SD	1.05		1.44		1.20)	0.423 118

NS: p-value > 0.05 is considered non-significant.

CPAP: continuous positive airway pressure, Kg: kilogram, SD: standard deviation.

Table (2): Comparisons between studied groups as regard level of PEEP.

Item		Mask	Nasal	Naso-pharyngeal	P-value
		(n = 20)	(n = 20)	(n = 20)	
PEEP	(6)	8 40%	6 30%	12 60%	0.150.15
CmH2O	(7)	1 60%	14 70%	8 40%	- 0.150 NS

NS: p-value > 0.05 is considered non-significant.

CPAP: continuous positive airway pressure, CmH2o: centimeter water

Table (3): Comparisons between studied groups as regard ABG results.

Item		Mask	Nasal	Naso- pharyngeal	P-value	
		(n = 20)	(n = 20)	(n = 20)		
pН	Mean	7.29	7.35	7.34	0.0.051	
P	±SD	0.10	0.11	0.12	— NS	
PCO ₂	Mean	35.5	44.7	44.0	0.007 S	
	±SD	9.4	9.1	10.6	0.007.5	
HCO ₃	Mean	16.7	20.1	17.9	0.191	
11003	±SD	4.2	6.6	5.8	– NS	

S: p-value < 0.05 is considered significant. NS: p-value > 0.05 is considered non-significant.

CPAP: continuous positive airway pressure, ABG: arterial blood gases,

Table (4): Comparisons between studied groups as regard response

	omparisons b							
Item		Mask (n = 20)		Nasal (n = 20)		Naso- pharyngeal (n = 20)		P-value
Response	Improved	8	40%	10	50%	12	60%	0.04 S
==== F 3235	MV	12	60%	10	50%	8	40%	_ 3.3.2

NS: p-value <0.05 is considered significant.

CPAP: continuous positive airway pressure, MV: mechanical ventilation,

Table (5): Comparisons between studied groups as regard complications

Item	em		Mask		Nasal		Naso- pharyngeal	
		$(\mathbf{n}=2)$	20)	$(\mathbf{n} = 2)$	(n = 20) $(n = 20)$			
Complications	No	18	90%	2	10%	0% 2 10%	10%	< 0.001 - HS
	Yes	2	10%	18	90%	18	90%	
Nasal irritation	No	18	90%	3	15%	20	100%	< 0.001 - HS
	Yes	2	10%	17	85%	0	0%	
Problem fixation	No	3	15%	3	15%	20	100%	< 0.001
	Yes	17	85%	17	85%	0	0%	- HS

HS: p-value < 0.001 is considered highly significant. CPAP: continuous positive airway pressure,

Table (6): Description of response in all studied patients.

Item	non of response in an state	All studied patients (n = 60)			
Response	Improved	30	50%		
перопье	MV	30	50%		

MV: mechanical ventilation,

Table (7): Relation between response and other studied data in all studied

patients.

Item		Improved (n = 30)		MV (n = 30)		P-value
Sex	Male	18	60%	16	53.3%	0.602 NS
	Female	12	40%	14	46.7%	0.002 115
	34 weeks	8	26.7%	20	66.7%	
Gestational age	35 weeks	10	33.3%	6	20%	0.006 S
	36 weeks	12	40%	4	13.3%	<u> </u>
Weight (lea)	Mean	2.3		2.1		0.214 NS
Weight (kg)	±SD	0.4		0.3		0.214 NS
Duration (days)	Mean	4.0		4.9		0.003 S
Duration (days)	±SD	0.8		1.4		0.003 8
"II	Mean	7.36 7.29			0.007 S	
pН	±SD	0.11		0.1		0.007.5
PCO2	Mean	42.1		40.7		0.501.20
PCO2	±SD	7.2		13.0		0.591 NS
HCO2	Mean	19.7		16.7		0.039 S
НСО3	±SD	5.5		5.7		0.039 8

S: p-value < 0.05 is considered significant. NS: p-value > 0.05 is considered non-significant.

MV: mechanical ventilation, PEEP: positive end expiratory pressure, kg: kilogram