

Results

1-Maternal factors:

A-Age:

Table (1): Categorizes the Age groups of pregnant females in the study to high risk group & no risk group:

Group	Age	%
High risk age groups	< 20 years old	22
	> 35 years old	5
No risk age group	20:35 years old	73

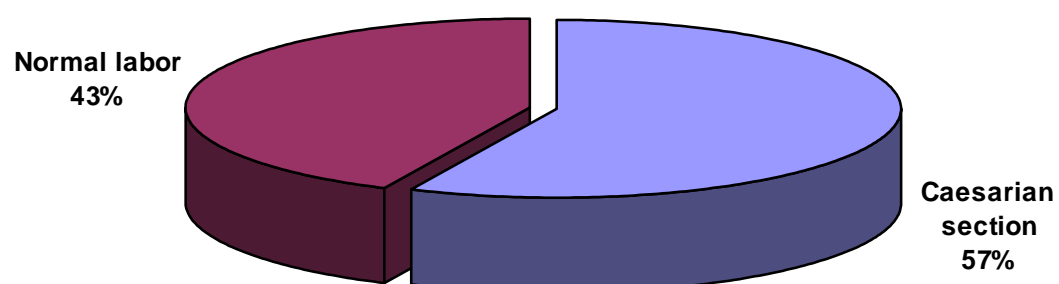
Table (2) shows that our results contain 100 female patients with mean age 25.69 ± 5.16 years (mean \pm SD) and ranged between 17 and 40 years.

Table (2)

Mean age	25.69
SD	5.16
Range	17 – 40

b- Mode of delivery:**Table (3):** Percentage of Caesarian section& Normal labor deliveries:

Type of labor	%
Caesarian section	57
Normal labor	43

**Fig (1):** percentage of Caesarian section& Normal labor deliveries.

*c- Pregnancy according to high risk factors:***Table (4):** Classifies Pregnancy according to risk factors:

Risk factors	%
High risk pregnancy	69
No risk pregnancy	31

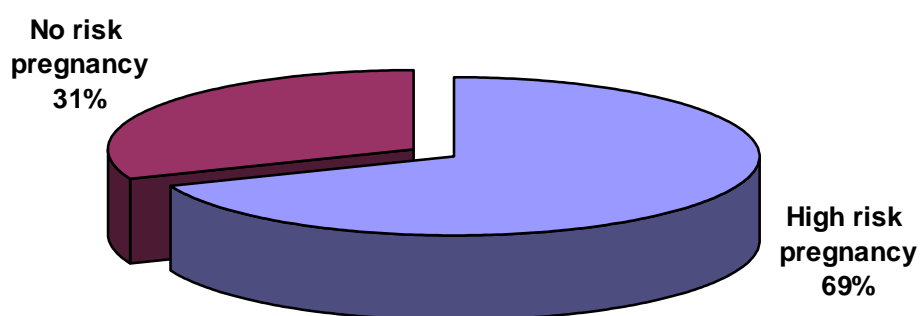
**Fig (2):** classification of Pregnancy according to risk factors

Table (5) & table (6) classify High risk factors into Ante partum high risk factors& Intrapartum high risk factors:

Table (5): Ante partum high risk factors

Ante partum high risk factors	%
-Gestational diabetes mellitus.	12
-Pregnancy induced hypertension.	10
-Previous Caesarian section.	7
-Rheumatic heart.	2
-Advanced maternal age.	4
-Goiter.	1
-Anemia.	1
-Rena failure.	1

Table (6) shows intrapartum high risk factors

Intrapartum high risk factors	%
-Prolonged labor.	12
-Meconium stained amniotic fluid.	13
-Malpresentation.	5
-Prolonged rupture membrane.	5
-Premature labor.	6
Placenta previa.	3
-Abruptio placenta.	2
-Cord prolapsed.	1

2-Equipments availability:**a) Umbilical catheter supplies:****Table (7):** Umbilical catheter supplies availability in the theater.

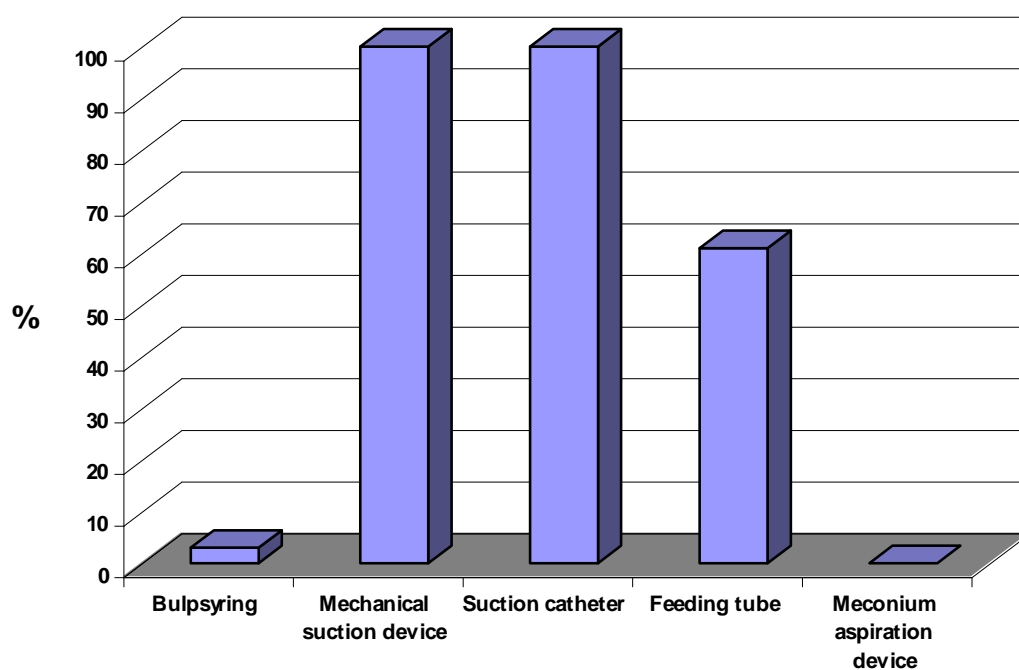
<i>Umbilical catheter supply</i>	%
-Sterile gloves.	57
-Scalpel.	100
-Scissors.	57
-Povidon-iodin.	0*
-Umbilical catheter.	65
-3way stop cock	25

*They use Petadine instead of Povidone-iodine.

b) Suction equipments:

Table (8): Availability of suction equipments

Suction equipments	%
Bulpsyring	3
Mechanical suction device	100
Suction catheter	100
Feeding tube	61
Meconium aspiration device	0

**Fig (3):** availability of suction equipments

c) Bag & mask equipments:

Table (9): Availability of bag & mask equipments in the delivery rooms.

Bag & mask equipments	%
-Ampo bag.	58
-Face mask.	63
-Oxygen with flow meter & tube.	100

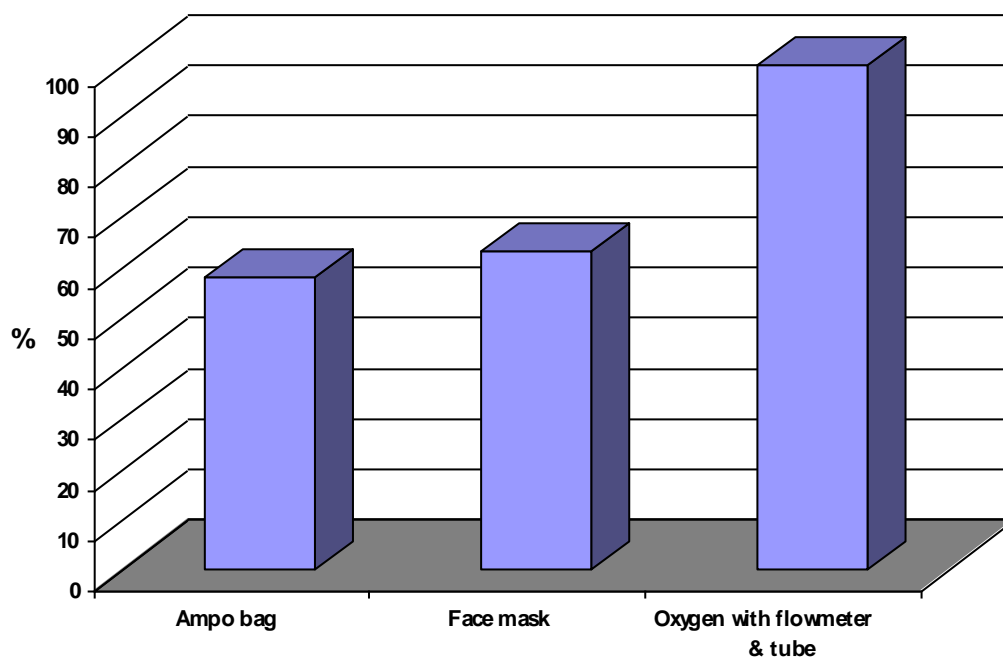


Fig (4): availability of bag & mask equipments in the delivery rooms.

d) Intubation equipments:**Table (10):** Intubation equipments availability in delivery rooms.

Intubation equipments	%
-Laryngeal mask.	0
-Extra bulbs & batteries.	0
-Tracheal tubes.	65
-Stylet.	0
-Tape.	100
-Alcohol.	0*

*They use Petadine instead of Alcohol.

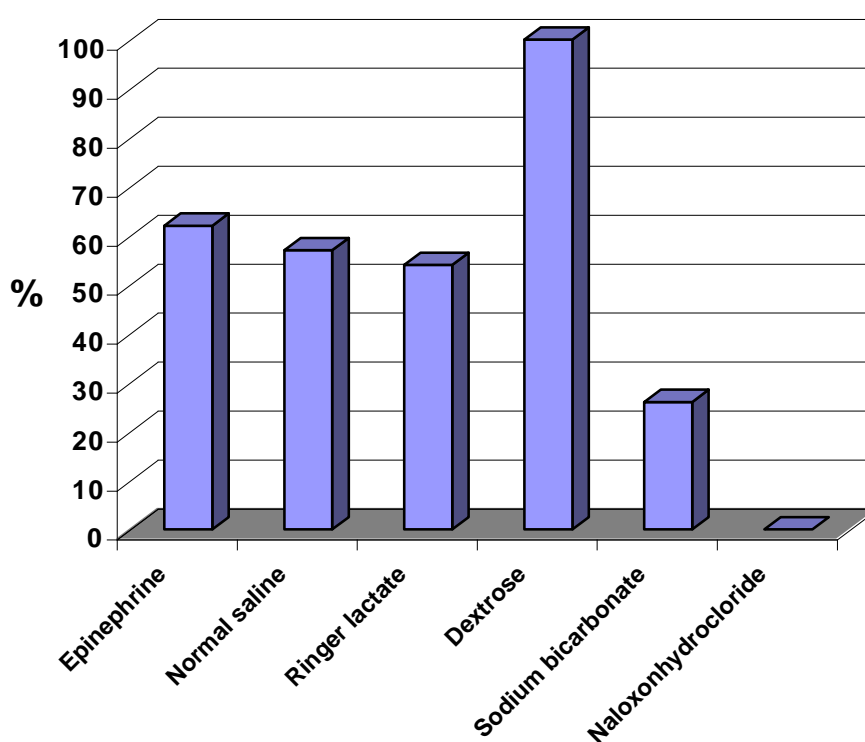
e) Miscellaneous:**Table (11):** Availability of the rest of equipments in delivery rooms.

Equipments	%
-Syringes.	57
-Needles.	59
-Gloves.(latex)	100
-Personal protector.	100
-Radiant warmer.	100
-Firm padded resuscitation surface.	100
-Clock timer.	0*
-Warmed limes.	100
-Stethoscope.	100
-Oropharyngeal airway.	0
-Cardiac monitor.	0
-Pulsoximeter.	0

*They use there own watches or stopwatches of there Mobiles.

3-Medication:**Table (12):** Drugs used in neonatal resuscitation & there availability in delivery rooms.

Medication	%
Epinephrine 1:1000	62
Normal saline	57
Ringer lactate	54
Dextrose	100
Sodium bicarbonate	26
Naloxonhydrochloride	0

**Fig (5):** drugs used in neonatal resuscitation & there availability in delivery rooms.

4-Time of arrival to the place of delivery:

The mean time to arrive to delivery place is 10.5 ± 2.14 minutes (SD) ranging from 7 to 15 minutes.

5-Personnel attendance:

a) High risk pregnancy (69 cases):

Table (13): Cases attended by neonatal resuscitation team (resident, nurse).

Personnel	No	%
-Neonatal resuscitation team (one resident + one nurse)	52	75.4
-one resident +house officer	9	13
-one nurse + house officer	4	5.8

Table (14): Cases attended by other personnel.

Personnel	No	%
Anesthesiologists + obstetric nurse	4	5.8

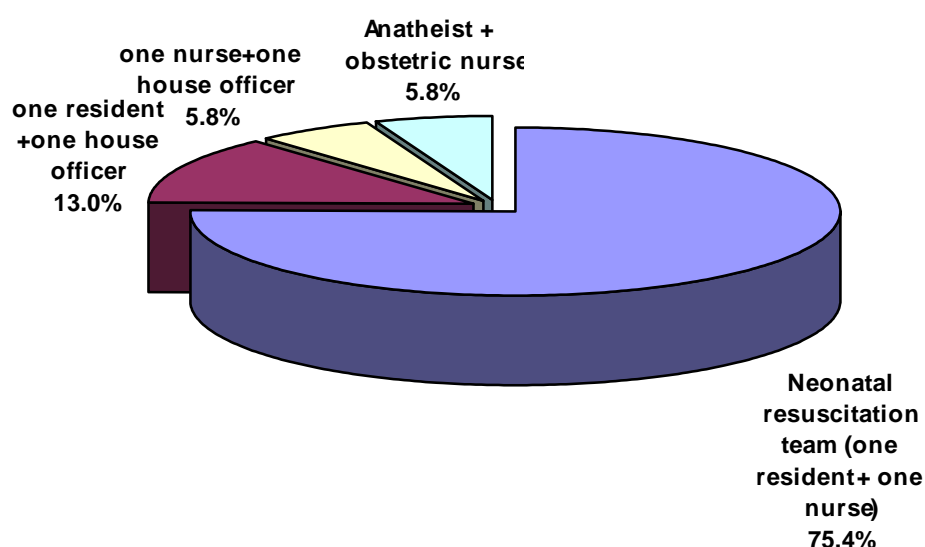


Fig (6): Types and attendance of personnel in high risk pregnancy cases

b) Normal pregnancy(31 cases):

All attended by personnel other than neonatal resuscitation team.

Table (15): Types of personnel dealing with no risk cases & there percentage of attendance.

Personnel	No	%
- House officers	20	64.5
- Obstetric nurse	6	19.4
-Workers	5	16.1

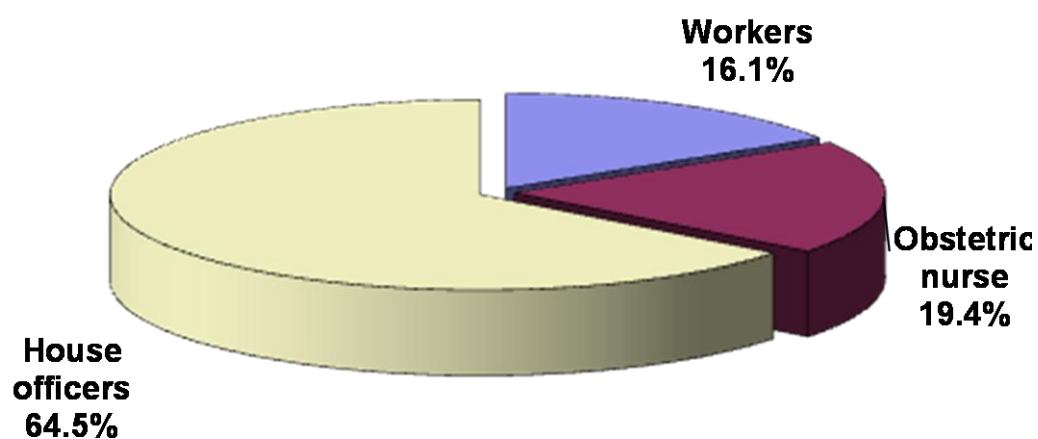


Fig (7): Types and attendance of personnel in normal delivery cases

6- Technique of resuscitation:**i- Initial steps:****Table (16):** Evaluation of technique of initial steps done to 100 cases.

Initial steps	Done right	Done wrong	Not done
-Provide warmth.	75	10	15
-Clear airway.	78	22	10
-Dryness.	82	18	0
-Positioning	73	27	0
-Stimulation.	47	15	38
-oxygen supplementation.	24	32	48

Ii- Other steps:**Table (17):** Evaluation of technique of other steps done to 100 cases.

Other steps	Done right	Done wrong	Not needed
-Positive pressure ventilation.	18	4	78
-Chest compression.	9	6	85
-Epinephrine administration.	4	0	96
-Endotracheal intubation.	18	6	76

7- Outcome:**Table (18):** The outcome of above techniques.

Outcome	%
-Improved.	71%
-Referred to NICU.	27%
-Died.	2%

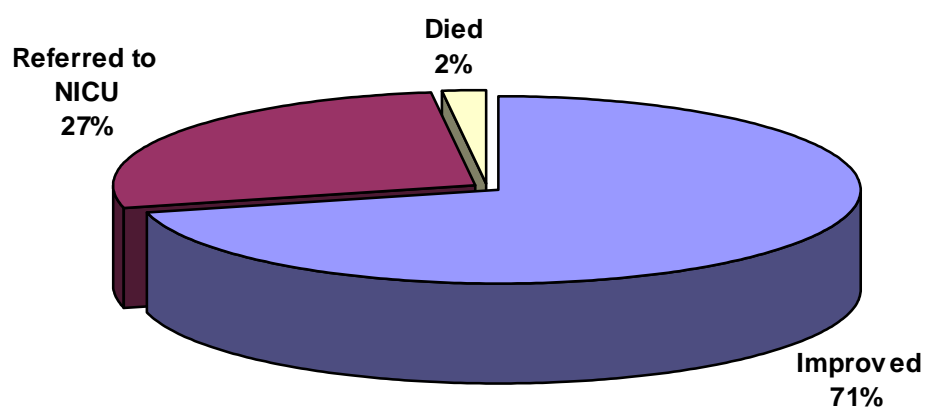
**Fig (8):** The outcome of above techniques

Table (19) & (20) shows Comparison between practice of neonatal staff & other personnel.

Table (19)

Initial steps	Neonatal staff			Other personnel			Test of significance	
	Done right	Done wrong	Not done	Done right	Done wrong	Not done	χ^2	P
Provide warmth	100%	0%	0%	28.6%	71.4%	0%	61.905	<0.001*
Clear airway	60%	9.2%	30.8%	37.1%	62.9%	0%	36.421	<0.001*
Dryness	93.8%	6.2%	0%	48.6%	51.4%	0%	27.175	<0.001*
Position	92.3%	7.7%	0%	37.1%	62.9%	0%	35.125	<0.001*
Stimulation	69.2%	0%	30.8%	5.7%	42.9%	51.4%	49.940	<0.001*
Oxygen supplementation	36.9%	9.2%	53.8%	0%	62.9%	37.1%	37.611	<0.001*

* Significant P < 0.05

Table (20)

Other steps	Neonatal staff			Other personnel			Test of significance	
	Done right	Done wrong	Not needed	Done right	Done wrong	Not needed	χ^2	P
Positive pressure ventilation	27.7%	3.1%	69.2%	0%	5.7%	94.3%	11.919	0.003*
Chest compression.	12.3%	3.1%	84.6%	2.9%	11.4%	85.7%	4.906	0.086
Epinephrine administration	6.2%	0%	93.8%	0%	0%	100%	2.244	0.134
Endotracheal intubation	27.7%	6.2%	66.2%	0%	5.7%	94.3%	12.069	0.002*

* Significant P < 0.05

Outcome of each practice:**Table (21):** The outcome of each practice.

	Neonatal staff	Other personnel	Test of significance	
			χ^2	P
Improved	70.8%	71.4%	0.005	0.945
Referred to NICU	29.2%	22.9%	0.469	0.493
Died	0%	5.7%	3.790	0.052

* Significant P < 0.05