

Table (1): Demographic features of the studied patients.

Variables	Thrombocytopenic babies (n=420)	Non-Thrombocytopenic babies (n=1170)	P. value
Sex			
Male	190 (45.2%)	560 (47.9%)	0.386
Female	230 (54.8%)	610 (52.1%)	
Gestational Age (weeks)			
Preterm (<37 weeks)	257(61.2%)	590 (50.4%)	<0.001**
Full term (≥37 weeks)	163(38.8%)	580(49.6%)	
Birth weight (gm) Mean±SD	1773.82±746.94	1975.19±724.17	0.023*
Mode of delivery			
C.S	290 (69.1%)	810 (69.2%)	0.994
NVD	130 (30.9%)	360 (30.8%)	
Site of delivery			
In hospital	252 (60%)	690 (59%)	0.073
Other hospitals	135 (32.1%)	420 (35.9%)	
At home	33 (7.9%)	60 (5.1%)	
Family history			
No	220 (52.4%)	1005 (85.89%)	0.033*
Yes	200 (47.6%)	165 (14.1%)	
Hospital stay (days) Mean±SD	13.28±4.68	8.22±4.93	<0.001**

* P <0.05: Significant difference, CS; Cesarean Section, NVD; Normal Vaginal Delivery

Table (2): Univariate analysis of maternal and neonatal risk factors for thrombocytopenic patients

Risk factor	Thrombocytopenic (n=420)	Non- Thrombocytopenic (n=1170)	P. value
Maternal risk factor			
PIH	76 (18.1%)	130 (11.1%)	<0.001**
PROM	72 (17.1%)	120 (10.3%)	<0.001**
SLE	8 (1.9%)	1 (0.1%)	<0.001**
Immune thrombocytopenia	4 (1%)	0 (0.0%)	0.004**
Neonatal risk factor			
Sepsis	269 (64.1%)	360 (30.8%)	<0.001**
Prematurity	227 (54.1%)	710 (60.9%)	0.018*
NEC	90 (21.4%)	25 (2.1%)	<0.001**
IUGR	50 (11.9%)	95 (8.1%)	0.026*
Asphyxia	47 (11.2%)	35 (2.99%)	<0.001**
TORCH	12 (2.9%)	0 (0.0%)	<0.001**

PIH; Pregnancy-induced hypertension, PROM; premature ruptures of membranes, SLE; systemic lupus erythematosus. NEC; Necrotizing Enterocolitis, IUGR; Intrauterine Growth Retardation, TORCH; Toxoplasmosis, Rubella, cytomegalovirus, and Herpes viruses. P. value <0.05*, P. value <0.001**.

Table (3): Age of onset of thrombocytopenia (n=420)

Age at onset (days)	No.	Percentage (%)
<3 days	65	15.48
3-7 days	100	23.81
>7 days	255	60.71

Table (4): Clinical presentation of thrombocytopenia among the studied cases

Clinical presentation	Thrombocytopenia		
	Mild	Moderate	Severe
	No (%)	No (%)	No (%)
Asymptomatic	134 (76.14)	59 (37.11)	0
Purpura	30 (17.05)	48 (30.19)	40 (47.06)
Ecchymosis	12 (6.82)	44 (27.67)	30 (35.29)
ICH	0	4 (2.52)	24 (28.24)
GIT Hemorrhage	0	2 (1.26)	12 (14.12)
Pulmonary hemorrhage	0	2 (1.26)	4 (4.71)
P- value	<0.001**	<0.001**	<0.001**

ICH; Intracranial Hemorrhage, GIT; Gastrointestinal tract.

Table (5): Management of thrombocytopenia in the study groups.

Treatment	No.	%
No	306	72.9
Yes	114	27.1
Platelet Rich Plasma (PRP)	47	41.2
Fresh blood transfusion	40	35.1
Platelet concentrate	21	18.4
IV Gamma globulin	6	5.3