

Clinical Characteristics and Prognostic Factors of Neonatal Intracranial

Results

We collected 84 newborns, representing a hospital frequency of 2.5% of neonatal admissions, 43 (51.2%) male and 41 girls. Thirty-three newborns (39.3%) presented within 3 hours of birth. The average age of the newborns was 4.34 days (extremes of 32 minutes of life and 27 days). Delivery was varied: Caesarean section in 25 babies (29.7%), natural childbirth in 58 (69%) with the use of instrumental manoeuvres (forceps, vacuum) in 2 babies (2.4%). In one baby

(1.2%), the type of delivery was not specified. The mean gestational age was 33 Weeks of Amenorrhoea (WA) plus 4 days (extremes 24 and 43 WA plus 2 days) (Table 1). Poor adaptation with an Apgar score below 7 at one minute was noted in 31 patients (37%). The mean birth weight was 1750 g (extremes 620 g and 3900 g) with 51 premature babies.

Table 1: Perinatal data.

Parameters	Number	Percentage (%)
Male gender	43	51,2
Gestational age in WA		
<28	13	15,5
28-32	25	29,8
32-37	13	15,5
37	33	39,3
Weight (grams)		
<1000	20	23,8
1000-1500	23	27,4
1500-2500	22	26,2
2500	19	22,6
Consultation period		
3 h	33	39,3
3 h-24 h	31	37
24 h-48 h	2	2,4
>48 h	16	19
NP	2	2,3

Clinical manifestations were dominated by respiratory distress (75%), neurological signs (27.4%), dehydration (21.4%) and haemorrhagic

Table 2: Clinical manifestations.

Clinical manifestations	Number	Percentage (%)
Neurological signs	23	27,4
• Convulsions	15	17,8
• Bulging anterior fontanel	8	9,5
Respiratory distress	63	75
Dehydration	18	21,4
Undernutrition	11	13,1
Cholestatic jaundice	10	12
Fever	12	14,3

Hypothermia	7	8,3
Haemorrhagic syndrome	17	20,2
• Umbilical	1	1,2
• Digestive	4	4,7
• Sampling site	2	2,4
• Subgaleal hematoma	2	2,4
• Cephalohaematoma	1	1,2
• Pulmonary	1	1,2
• Purpura	3	3,6
• Sero-sanguineous hump	3	3,6

Hypokalemia	5	6
C-reactive protein positive	25	29,7
Hyperbilirubinemia (total, conjugated)	35	41,7
Hepatic cytolysis	5	6
Decreased prothrombin time	9	with a PT of 0.27 (0.09-0.83) aMM
Hypoglycemia	3	46.4% 3,6
Hyperglycemia	14	aMM 16,7

