

Table. Phosphorus Management Practices in Very Low Birth Weight in the U.S.

	Overall N = 84 ¹	Level III N = 42 ¹	Level IV N = 42 ¹	p- value ²	Academic N = 55 ¹	Non- Academic N = 28 ¹	p- value ²
PARENTERAL NUTRITION PRACTICES							
Postnatal phosphorus starting				0.6			0.14
From birth	19%	17%	21%		24%	6.7%	
1 day	37%	31%	43%		41%	27%	
2–3 days	37%	41%	32%		29%	53%	
≥4 days	7.0%	10%	3.6%		4.9%	13%	
Starting Phosphorus dose				>0.9			>0.9
0.5-0.8 mmol/kg/day	17%	14%	19%		18%	14%	
0.9-1.2 mmol/kg/day	40%	40%	40%		38%	46%	
>1.2 mmol/kg/day	9.5%	9.5%	9.5%		9.1%	11%	
Limited by Calcium-Phosphorus solubility	11%	12%	9.5%		13%	7.1%	
Other	23%	24%	21%		22%	21%	
MONITORING PRACTICES							
Monitor phosphorus in the first 48 h	75%	71%	79%	0.4	67%	89%	0.03
Monitor phosphorus in the first week	83%	76%	90%	0.079	84%	82%	>0.9
Hypophosphatemia definition				0.4			0.2
Threshold < 2.5 mg/dL (< 0.8 mmol/L)	2.4%	2.4%	2.4%		0%	7.1%	
Threshold < 3.0 mg/dL (< 0.97 mmol/L)	9.5%	2.4%	17%		9.1%	11%	
Threshold < 3.5 mg/dL (< 1.13 mmol/L)	9.5%	9.5%	9.5%		9.1%	11%	
Threshold < 4.0 mg/dL (< 1.3 mmol/L)	42%	45%	38%		38%	50%	
< 4.5 mg/dL (< 1.45 mmol/L)	6.0%	4.8%	7.1%		5.5%	7.1%	
< 5.0 mg/dL (< 1.6 mmol/L)	20%	24%	17%		24%	11%	
Other	11%	12%	9.5%		15%	3.6%	
SUPPLEMENTATION METHODS³							
Increase Parenteral Nutrition Phosphorus	88%	88%	88%	>0.9	87%	89%	>0.9
Parenteral phosphorus bolus	29%	24%	33%	0.3	31%	25%	0.6
Enteral phosphorus	8.3%	7.1%	9.5%	>0.9	9.1%	7.1%	>0.9
Combined parenteral + enteral	7.1%	7.1%	7.1%	>0.9	7.3%	7.1%	>0.9
Other	7.1%	2.4%	12%	0.2	11%	0%	0.09
PARENTERAL PRODUCTS USED^{3,4}							
Sodium phosphate	60%	60%	60%	>0.9	60%	57%	0.8
Potassium phosphate	58%	50%	67%	0.12	58%	57%	>0.9
Calcium glycerophosphate	1.2%	2.4%	0%	>0.9	0%	3.6%	0.3
Other parenteral preparations	12%	14%	9.5%	0.5	9.1%	18%	0.3
ENTERAL PRODUCTS USED^{3,5}							
Sodium phosphate (Fleet)	13%	7.1%	19%	0.11	16%	7.1%	0.3
Potassium phosphate	9.5%	4.8%	14%	0.3	13%	3.6%	0.3
Neutral phosphorus (NaK-Phos)	1.2%	0%	2.4%	>0.9	1.8%	0%	>0.9
Other enteral preparations	3.6%	2.4%	4.8%	>0.9	5.5%	0%	0.5
DECISION FACTORS FOR SUPPLEMENTATION³							
Laboratory phosphorus level	86%	88%	83%	0.5	84%	89%	0.7
Amino acid intake level	17%	12%	21%	0.2	13%	25%	0.2
Clinical signs/symptoms	9.5%	4.8%	14%	0.3	13%	3.6%	0.3
IUGR/SGA status	52%	64%	40%	0.029	53%	54%	>0.9
Gestational age/Birth weight	46%	48%	45%	0.8	45%	50%	0.7
Day after birth	27%	24%	31%	0.5	24%	36%	0.2
Other electrolytes	25%	26%	24%	0.8	25%	25%	>0.9

¹%; ²Pearson's Chi-squared test; Fisher's exact test. ³Multiple options can be chosen. ⁴Answers for centers were is used parenteral supplementation products. ⁵Answers for centers were is used enteral supplementation products
IUGR: Intrauterine growth restriction; SGA: Small for gestational age.