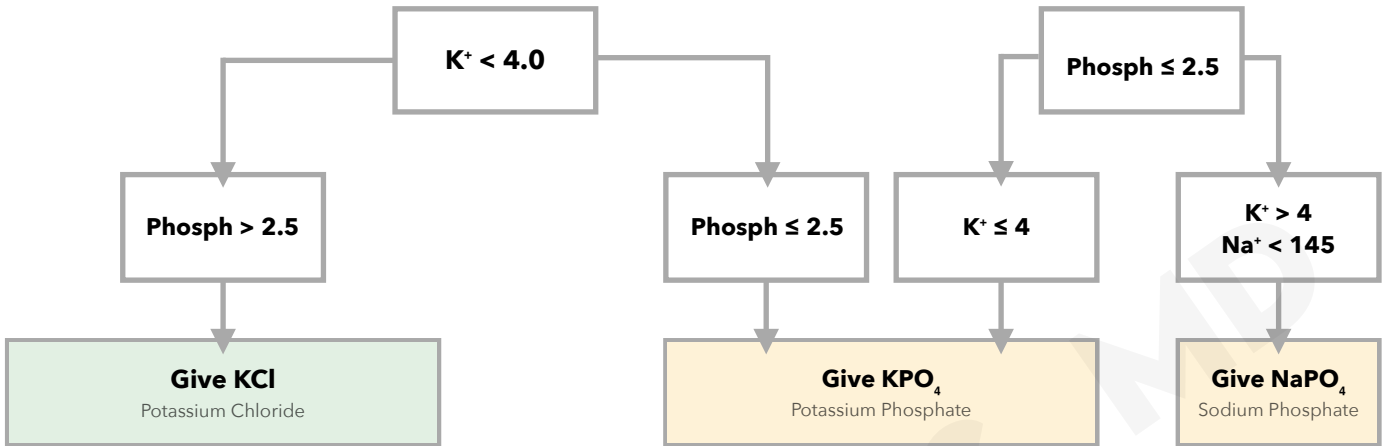


ELECTROLYTE REPLETION



K ⁺ Level	IV Admin.
3.6 - 3.9 mEq/L	10 mEq IV q1h x 2
3.4 - 3.5 mEq/L	10 mEq IV q1h x 3
3.1 - 3.3 mEq/L	10 mEq IV q1h x 4
2.6 - 3 mEq/L	10 mEq IV q1h x 5
2.3 - 2.5 mEq/L	10 mEq IV q1h x 6

K ⁺ Level	Enteral Admin.
3.7 - 3.9 mEq/L	20 mEq PO x1
3.5 - 3.6 mEq/L	20 mEq PO q2h x 2
3.3 - 3.4 mEq/L	20 mEq PO q2h x 3
3.1 - 3.2 mEq/L	20 mEq PO q2h x 4

10 mEq of K⁺ will increase the level ~0.1 mEq/L

Phosphorus Level	IV Admin.
2 - 2.5 mg/dL	15 mmol IV q4h x1
1 - 1.9 mg/dL	21 mmol IV q4h x1
< 1 mg/dL	15 mmol IV q2h x2

0.2 mmol/kg of phosphorus will increase the level ~1 mg/dL

Enteral Phosphorus Repletion: K-Phos Neutral Tablet

Contents: Phosph 250mg (8 mmol), K⁺: 1.1 mEq, Na⁺: 13 mEq

If both K⁺ & Phosphorus replacement are required, subtract the mEq of K⁺ given as KPO₄ from the total amount of K⁺ required

3 mmols KPO₄ = 4.4 mEq K⁺
 15 mmols KPO₄ = 22 mEq K⁺
 21 mmols KPO₄ = 30.8 mEq K⁺
 30 mmols KPO₄ = 44 mEq K⁺

Mg ²⁺ Level	Enteral Admin.	IV Admin.
1.5 - 2 mEq/L	400 mg Magnesium Oxide PO q12h x 2	1g IV MgSO ₄ IV q30m x 2
0.9 - 1.4 mEq/L	800 mg Magnesium Oxide PO q12h x 2	1g IV MgSO ₄ IV q30m x 4

If serum Magnesium < 1.2 mg/dL, IV replacement strongly recommended

1g of IV Mg will increase the level ~0.2-0.3 mEq/L

General threshold to replete in the ICU	
Magnesium (Mg ²⁺)	< 2
Phosphorus	< 3
Potassium (K ⁺)	< 4

Ca ²⁺ Level <i>(ionized calcium)</i>	Enteral Admin.	IV Admin.
1 - 1.1 mmol/L	1250 mg Calcium Carbonate PO q12h x 1	1 g Calcium Gluconate IV q1h x 1
0.97 - 0.99 mmol/L	1250 mg Calcium Carbonate PO q12h x 2	2 g Calcium Gluconate IV q1h x 1
0.85 - 0.96 mmol/L	1250 mg Calcium Carbonate PO q12h x 4	2 g Calcium Gluconate IV q1h x 1

If serum ionized calcium < 1 mmol/L, IV replacement strongly recommended