

Electrolyte Replacement Protocol

POTASSIUM REPLACEMENT PROTOCOL

For patients with GFR > 30ml/min

<u>Potassium Level (mmol/L)</u>	<u>Replacement dose</u>	<u>Recheck K+ level</u>
3.1 - 3.4	<ul style="list-style-type: none"> If able to take PO, give KCL 40meq PO x 1 If unable to take PO, give KCL 20meq IV Q2H x 2 	Next am
2.8 – 3.0	<ul style="list-style-type: none"> If able to take PO, give KCL 20meq PO Q4H x 3 If unable to take PO, give KCL 20meq IV Q2H x 3 	6 hours after last dose
</= 2.7	<ul style="list-style-type: none"> Give KCL 20meq IV Q2H x 4 and call provider 	2 hours after last dose

For patients with GFR < 30ml/min

<u>Potassium Level (mmol/L)</u>	<u>Replacement dose</u>	<u>Recheck K+ level</u>
3.1 - 3.4	<ul style="list-style-type: none"> If able to take PO, give KCL 20meq PO x 1 If unable to take PO, give KCL 20meq IV x 1 	Next am
2.8 – 3.0	<ul style="list-style-type: none"> If able to take PO, give KCL 40meq PO x 1 If unable to take PO, give KCL 20meq IV Q2H x 2 	6 hours after last dose
</= 2.7	<ul style="list-style-type: none"> Give KCL 20meq IV Q2H x 3 and call provider 	2 hours after last dose

* Peripheral administration max concentration: 20meq/100mL

* Peripheral administration max rate: 10meq/hr (20meq/hr if on tele monitored bed)

* Central administration max concentration: 40meq/100mL

* Central administration max rate: 10meq/hr (20meq/hr if on tele monitored bed)

MAGNESIUM REPLACEMENT PROTOCOL

<u>Magnesium Level (mg/dL)</u>	<u>Replacement dose</u>	<u>Recheck Mg++ level</u>
1.4 - 1.6	<ul style="list-style-type: none"> Give Magnesium sulfate 1gm IV x 1 	Next am
1.0 - 1.3	<ul style="list-style-type: none"> Give Magnesium sulfate 2gm IV x 1 	Next am
< 1.0	<ul style="list-style-type: none"> Give Magnesium sulfate 2gm IV Q2H x 2 	4 hours after last dose given

* Standard concentration: 1gm/100mL (max concentration: 2gm/100mL)

Physician's Signature _____

Date/Time _____

PATIENT STICKER

Nurse's Signature _____

Date/Time _____

Riverside Medical Center Electrolyte Replacement Protocol



CALCIUM REPLACEMENT PROTOCOL

*****Check albumin and calculate corrected calcium prior to supplementation*****

<u>Calcium Level (mmol/L)</u>	<u>Replacement dose</u>	<u>Recheck Ca++ level</u>
7.2 – 8.2 (ionized 1.01 – 1.14)	• Give Calcium gluconate 1gm IV x 1	Next am
6.1 – 7.1 (ionized 0.91 – 1.00)	• Give Calcium gluconate 2gm IV x 1	6 hours after last dose
<= 6 (ionized <= 0.9)	• Give Calcium gluconate 2gm IV x 2	2 hours after last dose

* Standard concentration: 1gm/50mL (administer over 1 hour)

*** Calculate corrected calcium (corrected calcium = serum calcium + 0.8(4 – serum albumin) or obtain ionized calcium before replacement***

PHOSPHATE REPLACEMENT PROTOCOL

*****For Patients with K+ <4.0 and GFR > 30ml/min*****

<u>Phosphorus Level mg/dL</u>	<u>Oral Replacement</u>	<u>Intravenous Replacement</u>	<u>Recheck Phos Level</u>
1.5 – 2.4	2 pkt Phos NaK TID	Kphos 15mmol over 4H	Oral: 12H post dose IV: 6H post dose
≤ 1.4	3 pkt Phos NaK TID	Kphos 30mmol over 6H	Oral: 12H post dose IV: 6H post dose

- Standard Concentration: All doses mixed in 250ml NSS or D5W
- Each 15mmol contains 22 mEq of K+
- Each Phos NaK packet contains **phos 250mg (8mmol) /Na+ 160mg/K+ 280mg (7mEq)**
- Consult MD for patient with mixed electrolyte abnormalities and/or GFR < 30ml/min

*****For Patients with Na+ < 145*****

<u>Phosphorus Level mg/dL</u>	<u>Oral Replacement</u>	<u>Intravenous Replacement</u>	<u>Recheck Phos Level</u>
1.5 – 2.4	2 pkt Phos NaK TID	Naphos 15mmol over 4H	Oral: 12H post dose IV: 6H post dose
≤ 1.4	3 pkt Phos NaK TID	Naphos 30mmol over 6H	Oral: 12H post dose IV: 6H post dose

- Standard Concentration: All doses mixed in 250ml NSS or D5W
- Each Phos NaK packet contains **phos 250mg (8mmol) /Na+ 160mg (7mEq) /K+ 280mg (7mEq)**
- Consult MD for patient with mixed electrolyte abnormalities and/or GFR < 30ml/min

Physician's Signature _____

Date/Time _____

PATIENT STICKER

Nurse's Signature _____

Date/Time _____