

## HIET Electrolyte Replacement Protocol [5443]

Providers: Order HIET Electrolyte Replacement Protocol via the Hyperinsulinemia Euglycemia Therapy (HIET) Order Set.  
\*\*\*This Order Set is for Nursing utilization related to electrolyte replacement\*\*\*

### Potassium Replacement

Potassium replacement scale: HOLD INSULIN if potassium is LESS than 3.3 mEq/L  
Patients tolerating oral feeding and not symptomatic should receive oral replacement.

Potassium

Level (mEq/L) Potassium Chloride Dose Monitoring

LESS than or EQUAL to 3.3

60 mEq

Oral OR IV

Recheck level two hours after the end of IV administration or 4 hours after oral.

Reapply orders if needed

3.4 - 4

40 mEq

Oral OR IV

Recheck level two hours after the end of IV administration or 4 hours after oral.

Reapply orders if needed

4.1 - 5.2

20 mEq

Oral OR IV

Recheck level two hours after the end of IV administration or 4 hours after oral.

Reapply orders if needed

#### Potassium LESS than or EQUAL to 3.3 (Single Response)

( ) Oral replacement - potassium 60 mEq	<b>"Or" Linked Panel</b>
<input type="checkbox"/> potassium chloride (K-DUR) CR tablet	60 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
<input type="checkbox"/> potassium chloride (KLOR-CON) packet	60 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
( ) Peripheral IV - potassium 60 mEq	10 mEq, intravenous, for 60 Minutes, every 1 hour, For 6 Doses Recheck level 2 hours after the end of IV administration and reapply orders if needed.
( ) Central IV - potassium 60 mEq	20 mEq, intravenous, for 60 Minutes, every 1 hour, For 3 Doses For Central Line Only; Recheck level 2 hours after the end of IV administration and reapply orders if needed.

#### Potassium 3.4 - 4 (Single Response)

( ) Oral replacement - potassium 40 mEq	<b>"Or" Linked Panel</b>
<input type="checkbox"/> potassium chloride (K-DUR) CR tablet	40 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
<input type="checkbox"/> potassium chloride (KLOR-CON) packet	40 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
( ) Peripheral IV - potassium 40 mEq	10 mEq, intravenous, for 60 Minutes, every 1 hour, For 4 Doses Recheck level 2 hours after the end of IV administration and reapply orders if needed.
( ) Central IV - potassium 40 mEq	20 mEq, intravenous, for 60 Minutes, every 1 hour, For 2 Doses For Central Line Only; Recheck level 2 hours after the end of IV administration and reapply orders if needed.

#### Potassium 4.1 - 5.2 (Single Response)

( ) Oral replacement - potassium 20 mEq	<b>"Or" Linked Panel</b>
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<input type="checkbox"/> potassium chloride (K-DUR) CR tablet	20 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
<input type="checkbox"/> potassium chloride (KLOR-CON) packet	20 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
( ) Peripheral IV - potassium 20 mEq	10 mEq, intravenous, for 60 Minutes, every 1 hour, For 2 Doses Recheck level 2 hours after the end of IV administration and reapply orders if needed.
( ) Central IV - potassium 20 mEq	20 mEq, intravenous, for 60 Minutes, once, For 1 Doses For Central Line Only; Recheck level 2 hours after the end of IV administration and reapply orders if needed.

## Phosphorous Replacement

### Phosphate replacement (central or peripheral IV line) (Single Response)

( ) Phosphorus level 2 – 2.4 mg/dL	30 mmol, intravenous, once, For 1 Doses
( ) Phosphorus level 1.5 – 1.9 mg/dL	40 mmol, intravenous, once, For 1 Doses
( ) Phosphorus level < 1.5 mg/dL	60 mmol, intravenous, once, For 1 Doses

## End Stage Renal Disease (ESRD) Potassium Replacement

Potassium replacement scale: HOLD INSULIN if potassium is LESS than 3.3 mEq/L  
Patients tolerating oral feeding and not symptomatic should receive oral replacement.

Potassium

Level (mEq/L) Potassium Chloride Dose Monitoring

LESS than or EQUAL to 3.3

60 mEq

Oral OR IV

Recheck level two hours after the end of IV administration or 4 hours after oral.

Reapply orders if needed

3.4 - 4

20 mEq

Oral OR IV

Recheck level two hours after the end of IV administration or 4 hours after oral.

Reapply orders if needed

### Potassium LESS than or EQUAL to 3.3 (Single Response)

( ) Oral replacement - potassium 60 mEq	<b>"Or" Linked Panel</b>
<input type="checkbox"/> potassium chloride (K-DUR) CR tablet	60 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
<input type="checkbox"/> potassium chloride (KLOR-CON) packet	60 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
( ) Peripheral IV - potassium 60 mEq	10 mEq, intravenous, for 60 Minutes, every 1 hour, For 6 Doses Recheck level 2 hours after the end of IV administration and reapply orders if needed.
( ) Central IV - potassium 60 mEq	20 mEq, intravenous, for 60 Minutes, every 1 hour, For 3 Doses For Central Line Only; Recheck level 2 hours after the end of IV administration and reapply orders if needed.

### Potassium 3.4-4 (Single Response)

( ) Oral replacement - potassium 20 mEq	<b>"Or" Linked Panel</b>
<input type="checkbox"/> potassium chloride (K-DUR) CR tablet	20 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.
<input type="checkbox"/> potassium chloride (KLOR-CON) packet	20 mEq, oral, once, For 1 Doses Recheck level 4 hours after dose and reapply orders if needed.

( ) Peripheral IV - potassium 20 mEq	10 mEq, intravenous, for 60 Minutes, every 1 hour, For 2 Doses Recheck level 2 hours after the end of IV administration and reapply orders if needed.
( ) Central IV - potassium 20 mEq	20 mEq, intravenous, for 60 Minutes, once, For 1 Doses For Central Line Only; Recheck level 2 hours after the end of IV administration and reapply orders if needed.

## End Stage Renal Disease (ESRD) Phosphorous Replacement

### ESRD Phosphorous Replacement (Single Response)

( ) Phosphorus level 2 – 2.4 mg/dL	20 mmol, intravenous, once, For 1 Doses
( ) Phosphorus level 1.5 – 1.9 mg/dL	30 mmol, intravenous, once, For 1 Doses
( ) Phosphorus level < 1.5 mg/dL	30 mmol, intravenous, once, For 1 Doses

## Potassium Monitoring

### Potassium Level (Single Response) (Selection Required)

Oral Replacement: Draw 4 hours after PO administration

IV Replacement: Draw 2 hours after IV administration

Choose one below and release order when time to draw:

( ) Potassium level 4 hours after oral replacement	Conditional Frequency For 1 Occurrences Draw 4 hours after oral potassium replacement
( ) Potassium level 2 hours after IV replacement	Conditional Frequency For 1 Occurrences Draw 2 hours after IV potassium replacement