



INITIAL STATUS: <input type="checkbox"/> Place in Observation <input type="checkbox"/> Admit to Inpatient
INITIAL BED TYPE: <input type="checkbox"/> Non-monitored Bed <input type="checkbox"/> Telemetry <input type="checkbox"/> ICU
Principal Diagnosis:



000247

Allergies:
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Height (cm)	Weight	Medications may be stopped based on the current Medical Staff Bylaws automatic stop order policy. A therapeutic equivalent drug approved by Pharmacy and Therapeutics Committee may be dispensed in accordance with the Medical Staff Bylaws.
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DO NOT USE	U	IU	QD	Trailin g Zero	Lack of Leading Zero	MS	MSO4	MgSO4	QOD
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### ICU Electrolyte Replacement Orders with AGGRESSIVE Magnesium Supplementation

**Notice:** These orders are intended for the treatment of electrolyte depletion in **ADULTS**. The orders do not apply for patients with ESRD or acute renal insufficiency, DKA, or pregnancy induced hypertension unless specified by the prescriber. **ELECTROLYTE ORDERS SHOULD BE ASSESSED FOR APPROPRIATENESS DAILY.**

For patients with dosing or monitoring needs other than those outlined below, please write separate orders rather than modifying form. **The protocol will be discontinued if a patient develops acute renal failure** (rise in serum creatinine greater than or equal to 0.5 mg/dL or UOP less than 30 mL/hr.)

#### POTASSIUM

Level (mEq/L)	Dose	Monitoring	Comments
3.8 – 5	NONE	Recheck level in AM	<ul style="list-style-type: none"> <li>Patients tolerating oral feeding without symptomatic electrolyte abnormalities should receive oral replacement.</li> <li>Notify MD if potassium is LESS THAN 3 mEq/L or GREATER THAN 6 mEq/L</li> </ul>
3.5 – 3.7	Potassium chloride 20mEq PO or IV	Recheck level 8 hours post administration	
3.2 – 3.4	Potassium chloride 60mEq PO or IV	Reapply orders if needed.	
LESS THAN 3.2	Potassium chloride 80mEq PO or IV	Recheck level 2 hours post administration Reapply orders if needed.	

#### AGGRESSIVE MAGNESIUM

Level (mg/dL)	Dose	Monitoring	Comments
GREATER THAN 2.3	NONE	Recheck level in AM	<ul style="list-style-type: none"> <li>Notify MD if magnesium is LESS THAN 1 mg/dL or GREATER THAN 4.5mg/dL</li> </ul>
2 – 2.3	Magnesium Sulfate 2gm IV		
1.5 – 1.9	Magnesium Sulfate 3gm IV		
1 – 1.4	Magnesium Sulfate 4gm IV	Recheck level 2 hours post administration Reapply orders if needed.	
LESS THAN 1	Magnesium Sulfate 4gm IV		

Physician's Signature	Date / Time
Physician's Pager #	

PATIENT LABEL

HOUSTON  
**Methodist**<sup>SM</sup>  
LEADING MEDICINE

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### ICU Electrolyte Replacement Orders with AGGRESSIVE Magnesium Supplementation

#### PHOSPHATE

Level (mg/dL)	Dose	Monitoring	Comments
2.5 – 4.8	NONE	Recheck level in AM	<ul style="list-style-type: none"> <li>Patients tolerating oral feeding without symptomatic electrolyte abnormalities should receive oral replacement.</li> <li>Notify MD if phosphate is LESS THAN 0.9 mg/dL or GREATER THAN 9 mg/dL</li> </ul>
2 – 2.4	Sodium Phosphate 30mmol IV <b>OR</b> Phospha Neutral 250 – 2 tablets every 4 hours for 3 occurrences		
1.5 – 1.9	Sodium Phosphate 40mmol IV <b>OR</b> Phospha Neutral 250 – 2 tablets every 4 hours for 4 occurrences		
LESS THAN 1.5	Sodium Phosphate 60mmol IV	Recheck level 2 hours post administration Reapply orders if needed.	

#### CALCIUM

Ionized Calcium Level (mMol/L)	Dose	Monitoring	Comments
GREATER THAN 1.7	NONE	Recheck level in AM	<ul style="list-style-type: none"> <li>Select CENTRAL or PERIPHERAL line order options based on available access</li> <li>If only PERIPHERAL line is present calcium gluconate MUST be used.</li> <li>Contact MD if calcium is LESS THAN 0.75mMol/L or GREATER THAN 1.5mMol/L</li> </ul>
1.05 – 1.16	<u>PERIPHERAL LINE</u> : Calcium Gluconate 3gm IV <b>OR</b> <u>CENTRAL LINE</u> : Calcium Chloride 1gm IV	Recheck level 8 hours post administration Reapply orders if needed.	
0.91 – 1.04	<u>PERIPHERAL LINE</u> : Calcium Gluconate 3gm IV AND Contact Provider for further orders <b>OR</b> <u>CENTRAL LINE</u> : Calcium Chloride 2gm IV		
LESS THAN 0.9	<u>PERIPHERAL LINE</u> : Contact Provider <b>OR</b> <u>CENTRAL LINE</u> : Calcium Chloride 2gm IV		

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