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**Dr. Seagle's Magnesium Replacement Protocol**

Replace Magnesium with Magnesium Sulfate IV piggyback as follows:

1) 1.8 or greater: None
2) 1.7 - 1.79: 500 milligrams in 50cc Normal Saline infused over 30 minutes
3) 1.6 - 1.69: 1 gram in 100cc Normal Saline infused over one hour
4) less than or equal to 1.59: 2 grams in 100cc Normal Saline infused over two hours

Repeat Magnesium level and replace accordingly until level greater than or equal to 1.8 but no greater than 2.4.

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**Dr. Potassium Replacement Protocol**

Replace Potassium with Potassium Chloride IV piggyback as follows:

1) 3.5 or greater: None
2) 3.3 - 3.4: 5 mEq Potassium Chloride in 50cc Normal Saline infused over 30 minutes
3) 3.2 - 3.29: 10 mEq Potassium Chloride in 100cc Normal Saline infused over one hour
4) 3.1 - 3.19: 15 mEq Potassium Chloride in 250cc Normal Saline infused over two hours
5) Less than or equal to 3.09: 20 mEq Potassium Chloride in 100cc Normal Saline infused over two hours

Repeat Potassium level after each order and replace accordingly until level is greater than or equal to 3.5 but no greater than 4.5