

## **ELECTROLYTES VIA CENTRAL ROUTE ONLY** **HDU GUIDELINE**

### **Potassium:**

#### *Potassium chloride:*

10ml ampoule containing 2mmol Potassium and 2mmol chloride per ml (20mmol potassium and 20mmol chloride per ampoule)

- dilute 20-40ml(10-20ml) in 100ml maintenance fluid, and administer over 1-2 hours, with ECG monitoring.

#### *Potassium phosphate:*

20ml ampoule containing 1mmol potassium and 0.6mmol phosphate per ml (20mmol potassium and 12mmol phosphate per ampoule)

- dilute 20ml ampoule in 100ml maintenance fluid, and administer over two hours.
- for both phosphate and potassium supplementation.

NOTE: If magnesium levels are low, it may not be possible to correct potassium levels without first correcting magnesium.

### **Magnesium:**

#### *Magnesium sulphate:*

1g per 2ml ampoule, equivalent to 2mmol per ml (i.e. 4mmol per ampoule)

- dilute 20mmol (10ml) in 100ml maintenance fluid, and administer over one hour.

### **Phosphate:**

#### *Potassium phosphate:*

20ml ampoule containing 1mmol potassium and 0.6mmol phosphate per ml (20mmol potassium and 12mmol phosphate per ampoule)

- dilute 20ml ampoule in 100ml maintenance fluid, and administer over two hours
- for both phosphate and potassium supplementation

#### *Sodium phosphate:*

20ml ampoule containing 1mmol sodium and 0.6mmol phosphate per ml (20mmol sodium and 12mmol phosphate per ampoule)

- dilute 20ml ampoule in 100ml maintenance fluid, and administer over two hours

NOTE: Ensure calcium level is within range first; if low, suggest supplementing prior to commencing phosphate. Otherwise, infuse at a slower rate (e.g. over 12 hours), and possibly a lower dose.

### **Maintenance fluids:**

Sodium chloride 0.9%

Glucose 5%

*These monographs should be used in conjunction with the drug data sheet and current BNF.*

*For further information contact Pharmacy Department on 22542 or 22146.*

*Pharmacy Department, December 2010, Amended March 2013.*

*Combined CUH Wards & HDU IV Guidelines and Paediatric Antimicrobial Guidelines developed for ED, CUH, May 2015*