MAKING INTRAVENOUS FLUIDS FOR METABOLIC PATIENTS

- Please read carefully.
- Follow the instructions very carefully, checking each step. Any concerns or difficulties must be discussed with the consultant or pharmacist on call.
- Method 1 is safer and preferred. Use method 2 only if concentrated glucose is not available.

0.9% Saline 10% glucose 500ml bag

Method 1: If Sodium Chloride 0.9% glucose 5% is available.

   a) Remove and discard 50 ml from a 500ml bag of 5% glucose 0.9% Sodium Chloride
   b) To the remainder of the bag add 50ml 50% glucose.

Method 2: Using a 500 ml bag of 10% glucose

   Add 15ml of the 30% sodium chloride concentrate. Measure the sodium chloride very carefully.

0.45% Saline 10% glucose 500ml bag

Method 1: If 0.45% saline with 5% dextrose is available

   a) Remove and discard 50 ml from a 500ml bag of 5% glucose 0.45% Sodium Chloride
   b) To the remainder of the bag add 50ml 50% glucose.

Method 2: Using a 500ml bag of 10% glucose

Add 7.5ml of the 30% sodium chloride concentrated. Measure the sodium chloride very carefully.
0.45% Saline 5% glucose 500ml bag

This solution is generally available ready made up but if not use 0.45% saline or 5% glucose.

**Method 1:** Using 500ml bag of 0.45% saline

a) Remove and discard 50 ml from a 500ml bag

b) To the remainder of the bag add 50 ml 50% glucose.

**Method 2:** Using a 500ml bag of 5% glucose

Add 7.5ml of the 30% sodium chloride concentrated. Measure the sodium chloride very carefully.

0.18% Saline 10% glucose 500ml bag

**Method 1:** If 0.18% saline with 5% dextrose is available

a) Remove and discard 50 ml from a 500ml bag of 5% glucose 0.18% Sodium Chloride

b) To the remainder of the bag add 50ml 50% glucose.

**Method 2:** Using a 500ml bag of 10% glucose

Add 3ml of the 30% sodium chloride concentrate. Measure the sodium chloride very carefully.