

## **Appendix B**

# **Macy Catheter Hydration (Proctoclysis) in the Inpatient Setting**

### **Indication**

Proctoclysis can be used as a short-term alternative (one week or less) to intravenous or subcutaneous hydration for patients who cannot take oral fluids.

### **Order**

- **Solution:**
  - Use hypotonic solutions such as water, ½ NS, ¼ NS, Pedialyte
  - Solution should be room temperature.
- **Volume:** Maximum proctoclysis infusion volumes should not exceed 2L/day
- **Infusions:** The total daily volume should be divided into 3 to 6 infusions of 500ml or less administered at a maximum rate of 200ml/hr. Infusions should be spaced a minimum of 2 hours apart.

**Sample Order:** Administer tap water 1000ml/day via Macy Catheter for 6 days or until taking adequate PO fluids. Administer 4 infusions of 250ml each at rate of 200ml/hr at 0800, 1200, 1600, and 2000.

### **Supplies needed**

- Macy Catheter, enteral gravity bag (McKesson-1109552 or Covidien-8884702500), supplies for catheter placement and removal (see insertion and removal instructions, (NOTE: All supplies for proctoclysis and instructions are supplied in the Macy Catheter Tray MCT1001)
- Water, 1/4NS, 1/2NS or other hypotonic oral re-hydrating solution such as Pedialyte®

### **Procedure**

1. Obtain MD/NP orders.
2. If oriented, explain procedure to patient
3. Insert Macy Catheter per insertion procedure
4. Patient should preferably remain lying on the left side during and for 30 minutes after procedure
5. Fill gravity bag with total prescribed amount of hydrating solution.
6. Attach gravity bag connector to Medication Port of Macy Catheter.
7. Set infusion rate to 200ml/hr or less per MD Order. (Do not exceed 500ml per infusion)
8. Make sure patient has call light and check patient every 30 minutes during infusion for comfort and flow rate.
9. If patient does not complain of cramping complete the infusion (go to step 13).
10. If patient complains of cramping or discomfort, stop infusion for 30 minutes then re-assess. If patient is comfortable re-start infusion.
11. If patient is still having discomfort assist patient to a commode, bedpan or toilet, then remove catheter and allow patient to move bowels.
12. Re-insert catheter and re-initiate hydration procedure.
13. After procedure have patient remain on left side for 30 minutes if possible.
14. After 30 minutes assess patient for need to defecate. If necessary assist the patient to the commode, bedpan or toilet.

## Appendix C

### Macy Catheter Hydration (Proctoclysis) in the Home Setting

#### Indication

Proctoclysis can be used as a short-term alternative (one week or less) to intravenous or subcutaneous hydration for patients who cannot take oral fluids.

#### Order

- **Solution:**
  - Use hypotonic solutions such as water, ½ NS, ¼ NS, Pedialyte
  - Solution should be room temperature.
- **Volume:** Maximum proctoclysis infusion volumes should not exceed 2L/day.
- **Bolus Hydration:** Home patients/caregivers instilling fluids without nursing assistance may want to use an enteral syringe to bolus fluids. They may administer fluid boluses with the 10ml syringe provided in the Bedside Care Kit or hospice may decide to provide a larger enteral syringe such as a 35ml or 60ml enteral syringe. Bolus administrations should be spaced at least 2 hours apart, and injected gently over approximately 20 minutes each.

**Sample MD/NP Order:** Administer tap water 1000ml/day via Macy Catheter. Administer 5 boluses of 200ml each, over 20 minutes, at 0800, 1100, 1400, 1700, and 2000.

#### Supplies needed

- Macy Catheter, enteral gravity bag (McKesson-1109552 or Covidien-8884702500), supplies for catheter placement and removal (see insertion and removal instructions, (NOTE: All supplies for proctoclysis and instructions are supplied in the Macy Catheter Tray MCT1001)
- Water, 1/4NS, 1/2NS or other hypotonic oral re-hydrating solution such as Pedialyte®

#### Procedure

1. Insert Macy Catheter per insertion procedure.
2. Patient should preferably remain lying on the left side during procedure. Do not place patient on right side during or for 30 minutes after infusion.
3. Using the 10ml enteral syringe provided in the kit (or larger syringe if provided to patient)
  - Push fluids with enteral syringe at a rate of 100ml/≅10 minutes. Limit syringe bolus infusions to 200ml administered over ≅ 20 minutes. You may repeat 200ml boluses spaced at least 2 hours apart as needed to a maximum of 2L/day.
4. After procedure have patient remain on left side for 30 minutes if possible.
5. After 30 minutes assess patient for need to defecate. If necessary, remove the Macy Catheter per procedure in Appendix A, assist the patient to the commode, bedpan or toilet.
6. Reinsert the Macy Catheter following the reinsertion procedure in Appendix A immediately. Do not store the catheter for later use.