PROCEDURE: Fast Peritoneal Equilibration Test

**Purpose:**
Allows clinical screening of patients with suspected changes in peritoneal membrane function. It is not recommended that this test be used instead of a standard 4 hour PET but as a follow-up in response to clinical change.

**Materials Needed:**
- Transfer set and drain bag
- Sterile gauze
- Disinfectant
- Lab tubes for effluent and blood samples
- Prescribed dialysate bag
- Syringes and needles for specimen collection
- Personal Protective Equipment Recommended:
- Gloves, apron, masks and safety glasses or full face shield

**NOTE:** This test is initiated in the patient’s home. The patient drains the peritoneal cavity completely then infuses 2 liters of 2.5% dialysate. The patient must record the time that the test infusion is complete and come to the dialysis clinic 3 hours and 30 minutes after the infusion.

**STEP**
1. Wash hands. Put on personal protective equipment.
   - **RATIONALE**
   - 1. To comply with the infection control policy.

2. Connect the patient to a transfer set and drain the peritoneal cavity. Allow 20 minutes to drain.
   - **RATIONALE**
   - 2. To obtain effluent sample.

3. Prepare the prescribed dialysate for the next exchange while the patient is draining.
   - **RATIONALE**
   - 3. To have solution ready for next exchange.
4. Agitate the drained effluent bag. Using aseptic technique, draw a 10 ml effluent sample and place in the lab tube for glucose, creatinine, and urea determinations.

5. Draw a blood sample at time 4 hours and place in lab tube for glucose, creatinine, and urea determinations.

6. Record effluent drain volume and dispose of effluent according to unit policy.

4. Effluent sample required to calculate Dialysate / Plasma (D/P) ratios.

5. Blood sample required to calculate D/P ratio.

6. To comply with unit infection control policy.