**Colonic & Antro-Duodenal (AD) Manometry-Parent Guide**

Prior to admission

* You may be asked to start a home cleanout regimen prior to admission
* Some medications may interfere with the Manometry study. You may be asked to stop certain medications weeks to days prior to the study.
* You may be asked to start a clear liquid diet prior to admission. An example of a clear liquid diet includes Kool-Aid, Jell-O, Popsicles, broth, apple juice, ginger ale and water.
* You may consider bringing your child’s favorite toys or games as they will need to remain in bed during the study
* Reassure your child that you will be with them during the entire test (except during catheter placement, during which time your child will be sedated)

Day of Admission (Monday or Tuesday)

* Your child may have a motility appointment at Primary Children’s Eccles building prior to admission
* Arrive at Primary Children’s Hospital admitting at 11 AM (unless otherwise specified)
* A Nasogastric tube may be inserted to administer medications for cleanout
* IV will be placed to receive fluids for hydration
* Your child will be restricted to a clear liquid diet at this time

Day of Procedures (Wednesday)

* Your child will be taken down to the Children’s Procedure Center. They will be placed under sedation. A colonoscopy (with biopsies) & upper endoscopy/EGD (with biopsies) will be performed and 2 manometry catheters will be placed. One will extend from the colon, out through the rectum, and secured in place with tape near your child’s rectum and inner thigh. The other will start through the nose & continue into the small intestine
* As your child fully awakes from anesthesia it is important to assist your child in not pulling out the catheters
* Following the procedure your child will **not be able to have anything by mouth** as this can alter the study. IV fluids will keep your child hydrated
* Your child will need to **remain in bed** for the remainder of that day and until the study is completed the following day
* Your child must use a bedpan, urinal or diaper instead of going to the restroom
* For the remainder of the evening, your child will be free to do any activities that they can do in bed. The actual study will begin the next morning at approximately 8 AM

Day of the Study (Thursday)

* The catheter will be connected to a portable computer for approximately 6 hours
* At a specific time during the study, your child will be given a meal and medications as part of the study. However, do not allow your child to eat or drink until instructed to do so by the manometry nurse
* Once the study is complete, both catheters will be removed

**Parent’s Frequently Asked Questions**

***What is Colonic & Antro-Duodenal (AD) Manometry?***

* Colonic & AD manometry measures the pressure or contractions in parts of the stomach, small intestine and large intestine to determine how well they are working

***How is the manometry catheter placed?***

* A device called a “manometry catheter” is placed in the large intestine through the rectum while another catheter is placed through your child’s nose which will extend to the small intestine. Your child is asleep during the placements of both catheters

***What will my child feel during the test?***

* This test does not cause pain. However, medications may cause nausea, vomiting, & cramping
* Sometimes a small amount of water may leak from your child’s bottom during the test
* After the study is complete, we remove the tape holding the catheters in place. Tape removal may be uncomfortable, but removal of the catheters is not painful.
* Irritation may develop in the nose from the catheter

***Why can’t we do the study on the same day that the manometry catheter is placed?***

* We place the manometry catheters, then conduct the colonic & AD manometry study the next day to allow anesthesia to exit the system prior to beginning the study. Anesthesia is used to help your child sleep during the procedure. Anesthesia can affect the results of the study.

***Can my child have a sucker, hard candy or a swab after the catheter is placed?***

* No, this can cause activity in the large intestine which may affect the study

***What if my child is on TPN (Total parental nutrition)?***

* Your child will not require TPN while at the hospital. We will provide IV fluids that will keep your child’s sugar stable and keep them hydrated. TPN will be started after discharge.

***What if my child has a G-Tube or a GJ-Tube?***

* We may use this port to give medications to assist with clean out. We may also use the site for catheter placement. Please inform the motility nurse that your child has a tube. Motility nurse can coordinate appointment for GJ-Tube replacement.

***When will I receive the results of the study?***

* The Motility Doctor will call you with results in approximately 1-2 weeks following the study and provide recommendations on how to further manage your child’s care

***Who do I call if I have any questions?***

* Call the motility nurse at 801-662-1619, option 2, option 2