

## ESOPHAGEAL MANOMETRY

Study to assess pressures and movement of the esophagus (motor function); by placing a catheter that has at its distal end pressure sensors, it is introduced through the nose, through the esophagus, up to the stomach.

It can be used to diagnose, and assess the causes of different conditions, but not limited to:

- Gastroesophageal reflux.
- Difficulty in swallowing.
- Chest pain of non-cardiac cause.
- Motility disorders of the esophagus.

### REQUIREMENTS FOR THE EXAM

- Printed current Medical Order and the authorization of the entity.
- Original ID card on the day of the appointment.
- One (1) photocopy of the ID card (for POS entities only).
- Bring previous studies: upper digestive endoscopy, esophageal manometry or upper digestive tract related exams.

### PREPARATION

- Requires 8 hour fast.
- Stop medications: *mosapride*, *domperidone*, *alzapride*, *levosulpiride*, *metoclopramide*.

### DURATION

- Have a minimum of 2 hours availability.

### RESULTS AND RECOMMENDATIONS:

- Delivery of the report on the day of the exam.
- After the procedure, there is no food care or other special care.
- After the procedure, you may experience transient minor nasal discomfort.

***If for any reason, it is not possible to attend your appointment, or you require additional information, before or after it, please contact telephone number 3319090 Extension 4126 during business hours.***

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## PH REGISTRATION - 24 HOUR ESOPHAGEAL IMPEDANCIOMETRY:

Study for the measurement of the esophageal pH to determine the presence or absence of acid or non-acid reflux. It is performed with the placement of a thin catheter that runs from the nose to the stomach. Its duration is of 24 hours with the registration in a small hand-held computer that stores the information and with the registration by the patient in a diary.

### REQUIREMENTS FOR THE EXAM

- Printed current Medical Order and the authorization of the entity.
  - Original ID card on the day of the appointment.
- One (1) photocopy of the ID card (for POS entities only).
- Bring previous studies: upper digestive endoscopy, esophageal manometry or upper digestive tract related exams.
  - For children: bring toys and sweet juice.

### PREPARATION

- 8 hour fast.
- Stop medications:  
*mosapride, domperidone, alizapride, levosulpiride, metoclopramide.*

- The use of antacid medications (*esomeprazole, omeprazole, dexlansoprazole, lansopazole, pantoprazole, ranitidine*) is subject to the physician's indication.
- Attend with a blouse or shirt with front buttons.

### DURATION

- 3 hours on the day of the placement of the equipment.
- 24 hours recording with the equipment.
- 1 hour for the day of removal of the equipment.

### RESULTS

#### AND RECOMMENDATIONS:

- Delivery of the report 7 business days after the equipment is removed.
- After and during the procedure, there is no necessary care in feeding.
- After the procedure, you may experience transient minor nasal discomfort.
- In case of being or thinking you are pregnant, please notify before the procedure.
- During the 24 hours recording, the equipment cannot be: wetted,

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removed or attempted to be opened,  
do not expose the equipment to sites of  
electromagnetic waves emission, X-  
rays or metal detectors.

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## HEMORRHOIDS LIGATION

Procedure performed with an anoscope, in which an elastic band is placed on the base of the hemorrhoid, causing it to collapse, interrupting its flow and subsequently being expelled.

### REQUIREMENTS FOR THE EXAM

- Printed current Medical Order and the authorization of the entity.
- Original ID card on the day of the appointment.
- One (1) photocopy of the ID card (for POS entities only).
- Bring previous colonoscopy studies, if available.
- Assist with a companion, do not be driving or come by motorcycle.
- In the case of requiring a medical order, procedure under anesthesia, it must be submitted previously to the pre-admission area, for administrative purposes and assigning a pre-anesthetic appointment.

### PREPARATION

- 8 hour fast.
- One hour before the exam, administration of a 133 mL rectal enema that requires retention between 10 to 15 minutes.

### DURATION

- Have at least 3 hours availability.

### RESULTS

#### AND RECOMMENDATIONS:

- Report delivery on the day of the exam.
- Medical formula for analgesia and medical disability will be given at the specialist's discretion.
- After the procedure, there is no food care or other special care.
- Pain or bleeding that require medical management may occur after the procedure.

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## ESOPHAGEAL VARICOSE VEINS LIGATION

Endoscopic procedure, which allows to visualize the esophageal and gastric mucosa, detect varicose veins, and place elastic bands to reduce the risk of bleeding.

### REQUIREMENTS FOR THE EXAM

- Printed current Medical Order and the authorization of the entity.
- Original ID card on the day of the appointment.
- One (1) photocopy of the ID card (for POS entities only).
- Bring previous endoscopic studies, if available.
- Assist with a companion, do not be driving or come by motorcycle.
- In the case of requiring, by medical order, a procedure under anesthesia, you should assist previously to the pre-admission area, for administrative purposes and assigning a pre-anesthetic appointment.

### PREPARATION

8 hour fast.

### DURATION

Have a minimum of 3 hours availability.

### RESULTS

#### AND RECOMMENDATIONS:

- Report delivery on the day of the exam.
- Medical formula for analgesia and medical disability will be given at the specialist's discretion.
- After the procedure, take into account the special recommendations.
- Pain or bleeding that require medical management and/or emergency consultation may occur after the procedure.

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## TOTAL DIAGNOSTIC COLONOSCOPY

Procedure that involves checking the mucosa of the large bowel (colon) through a flexible tube; which includes visualization of the rectum, left, transverse and right colon. Biopsies (samples) may be collected during the procedure, if the specialist considers it is necessary.

### REQUIREMENTS FOR THE EXAM

- Printed current Medical Order and the authorization of the entity.
- Original ID card on the day of the appointment.
- One (1) photocopy of the ID card (for POS entities only).
- If you have previous studies, bring them with you on the day of the procedure.
- Assist with a companion, do not be driving or come by motorcycle.
- In case of an anesthesia order, assist to pre-admissions for administrative purposes (Same as ligation information).

### PREPARATION

- Requires 8 hour fast (empty stomach).
- Four (4) envelopes of polyethylene glycol for adult patients. In pediatric patients the dose will depend on their weight (Follow the preparation instructions step by step).

### DAY BEFORE THE EXAM

- Feeding with clear liquid diet for 24 hours before the exam (clear juices),
- Panela water, tisane, aromatic water, consommé with no errand).

### DURATION

- Have a minimum of 3 hours availability.

### RESULTS

#### AND RECOMMENDATIONS:

- Report delivery on the day of the exam.
- In case of collecting a biopsy, this result will be delivered 5 business days after the exam and must be claimed on the first floor in the laboratory results delivery area.
- After the procedure, there is no food care or other special care.
- With the results of the procedure and biopsy, request an appointment with the physician who ordered the exam.

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## HIGH DIGESTIVE DIAGNOSTIC GASTROSCOPY OR HIGH DIGESTIVE ENDOSCOPY

A procedure that consists in checking through a flexible tube the mucosa of the esophagus, stomach and first part of the small intestine (duodenum), within the procedure biopsies (samples) can be collected, if the specialist considers it necessary.

### REQUIREMENTS FOR THE EXAM

- Printed current Medical Order and the authorization of the entity.
- Original ID card on the day of the appointment.
- One (1) photocopy of the ID card (for POS entities only).
- If you have previous studies, bring them with you on the day of the procedure.
- Assist with a companion, do not be driving or come by motorcycle.
- In the case of requiring, by medical order, a medical procedure under anesthesia, it must be submitted previously to the pre-admission area, for administrative purposes and assigning a pre-anesthetic appointment.

### PREPARATION

- Requires 8 hour fast (empty stomach).

### DURATION

- Have a minimum of 3 hours availability.

### RESULTS

#### AND RECOMMENDATIONS:

- Report delivery on the day of the exam.
- In case of collecting a biopsy, this result will be delivered 5 business days after the exam and must be claimed on the first floor in the laboratory results delivery area.
- After the procedure, there is no food care or other special care.
- With the results of the procedure and biopsy, request an appointment with the physician who ordered the exam.

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## RETROGRADE DIAGNOSTIC AND THERAPEUTIC ENDOSCOPIC COLANGIOGRAPHY (CPER)

Procedure that involves introducing a specialized flexible tube, called a duodenoscope, which reaches the duodenum looking for the papilla that drains the biliary and pancreatic ducts into the small intestine, which should be visualized by fluoroscope (RX) and injecting a contrast media. Therapeutic procedure, such as papilla enlargement, stone extraction, biliary dilation, biliary and pancreatic stenting, among others, can be performed.

### REQUIREMENTS FOR THE EXAM

- Printed current Medical Order and the authorization of the entity. Pre-admission sheet.
- Prior consultation with the anesthesiology department
- Original ID card on the day of the appointment.
- One (1) photocopy of the ID card (for POS entities only).

- Assist with a companion, do not be driving or come by motorcycle.
- Bring previous studies and images.

### PREPARATION

- Requires 8 hour fast (empty stomach).

### DURATION

- Have a minimum of 8 hours availability.

### RESULTS

#### AND RECOMMENDATIONS:

- Report delivery on the day of the exam.
- In case of collecting a biopsy, this result will be delivered 5 business days after the exam and must be claimed on the first floor in the laboratory results delivery area.
- With the results of the procedure and biopsy, if collected, request an appointment with the physician who ordered the exam.

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## ENDOSCOPIC VIDEO CAPSULE

Diagnostic procedure, in which a capsule provided with a camera, is used. Once ingested, it goes inside the esophagus, stomach, small and large intestine. On this path, it takes images, which are captured by a recorder, and then analyzed by the specialist. It allows visualizing the mucosa and lesions that cannot be seen with another type of study.

### REQUIREMENTS FOR THE EXAM

- For the programming of the procedure and on the day of its performance, it is necessary to bring the medical record and exams (related to the gastrointestinal conditions). The information in the endoscopy unit is validated for scheduling with the specialist.
- Printed current Medical Order and the authorization of the entity.
- Original ID card on the day of the appointment.
- One (1) photocopy of the ID card (for POS entities only).

### PREPARATION

- Feeding with clear liquid diet 24 hours before the exam (clear juices, panela water, tisane, aromatic water, consommé).
- Four (4) envelopes of polyethylene glycol (follow the preparation instructions step by step)
- Requires 8 hour fast (empty stomach).

### DURATION

- Have a minimum of 10 hours availability.

### RESULTS

#### AND RECOMMENDATIONS:

- Delivery of the report in 3 business days after the exam.

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## TWO BALL ENTEROSCOPY

Endoscopic study that is performed under general anesthesia, using a long and flexible specialized equipment. It goes through the mouth, stomach, esophagus and allows visualization of the inner part of the small bowel. It is used to examine and treat intestinal lesions.

### REQUIREMENTS FOR THE EXAM

- For the programming of the procedure, you must bring the medical record and exams (related to the gastrointestinal conditions). The information in the endoscopy unit is validated for scheduling with the specialist.
- Printed current Medical Order and the authorization of the entity. Pre-admission sheet.
- Prior consultation with the anesthesiology department
- Original ID card on the day of the appointment.
- One (1) photocopy of the ID card (for POS entities only).
- Assist with a companion, do not be driving or come by motorcycle.

### PREPARATION

- Feeding with clear liquid diet 24 hours before the exam (clear juices, panela water, tisane, aromatic water, consommé).
- Four (4) envelopes of polyethylene glycol (follow the preparation instructions step by step)
- Requires 8 hour fast.

### DURATION

- Have a minimum of 8 hours availability.

### RESULTS

#### AND RECOMMENDATIONS:

- Report delivery on the day of the exam.
- In case of taking a biopsy, this result will be delivered 5 business days after the exam and must be claimed on the first floor in the laboratory results delivery area.
- With the results of the procedure and biopsy, request an appointment with the physician who ordered the exam.

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## PERCUTANEOUS ENDOSCOPIC GASTROSTOMY

Procedure performed under general anesthesia, which involves placing a flexible tube through the abdominal wall to the stomach or small intestine. It serves as a definitive or temporary route for nutrition and medication placement in those patients who cannot use the oral route.

### REQUIREMENTS FOR THE EXAM

- Printed current Medical Order and the authorization of the entity.
- Pre-admission sheet.
- Prior consultation with the anesthesiology department
- Original ID card on the day of the appointment.
- One (1) photocopy of the ID card (for POS entities only).
- Assist with a companion.

### PREPARATION

- Requires 8 hour fast (empty stomach).
- Inform if you are receiving anticoagulant medications.

### DURATION

- Have a minimum of 8 hours availability.

### RESULTS

- Report delivery on the day of the exam.

### IMPORTANT

- After the procedure, attend the educational talk that takes place at the institution (the instructional booklet with the invitation is delivered on the day of the procedure).

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## GASTRO-INTESTINAL ENDOSONOGRAPHY

Endoscopic study conducted with a specialized equipment with an ultrasound at the end; and through this technology assess the layers of the organ under study and, if it is required, to guide the biopsy collection.

### REQUIREMENTS FOR THE EXAM

- For the programming of the procedure, you must bring the medical record and exams (related to the gastrointestinal conditions).
- The information in the Endoscopy unit is validated for scheduling with the specialist.
- Printed current Medical Order and the authorization of the entity. Pre-admission sheet.
- In the case of requiring, through medical order, a procedure under anesthesia, you should present it previously at the pre-admission area, for administrative purposes and assigning a pre-anesthetic appointment.
- Original ID card on the day of the appointment.
- One (1) photocopy of the ID card (for POS entities only).
- Assist with a companion, do not be driving or come by motorcycle.

### PREPARATION

- Requires 8 hour fast (empty stomach).
- In case of study in the colon, (request the instructions for preparation)

### DURATION

- Have a minimum of 3 hours availability (procedure performed under sedation).
- Have a minimum of 8 hours availability (procedure performed under general anesthesia).

### RESULTS

#### AND RECOMMENDATIONS:

- Report delivery on the day of the exam.
- In case of collecting a biopsy, this result will be delivered 5 business days after the exam and must be claimed on the first floor in the laboratory results delivery area.
- With the results of the procedure and biopsy, request an appointment with the physician who ordered the exam.

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