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EMG, Manometry and Applied Therapeutic Modality Diagnosis and treatment of Anorectal Dysfunction

What is EMG?

Electromyogram (EMG) is a test that is used to record the electrical activity of muscles. When muscles are active, they produce an electrical current. This current is usually proportional to the level of the muscle activity. An EMG is also referred to as a myogram.

What is Anorectal Manometry?

Anorectal Manometry is a test performed to evaluate patients with constipation or fecal incontinence. This test measures the pressures of the anal sphincter muscles, the sensation in the rectum, and the neural reflexes that are needed for normal bowel movements.

Gain control of Anorectal Dysfunction

EMG and Manometry are safe, non-invasive diagnostic tools used for evaluation and therapeutic intervention associated with Anorectal Dysfunction. Anorectal disease and defecatory disorders are interrelated to bowel habit and stooling regime. We utilize the EMG, in conjunction with Anorectal manometry to direct conservative, medicinal and surgical intervention of disorders dealing with the Anorectal sphincter. This often involves several modalities of treatment, including stimulation on the pelvic floor musculature, coordinated over a continuum of time. Once the test is performed and the results are reviewed, a personal plan will be developed for you.

Types of Anorectal Dysfunction

IBS
Hemorrhoids & Fissures
Incontinence
Constipation and/or Dyssynergia
Inability to tell the difference between solid, liquid and gas
Defecatory Disorders & Biomechanical dysfunction

What will I learn?

How to decrease hemorrhoid creation
How to decrease fecal and/or urinary leakage
Correct bowel or stool regime
How to coordinate cognitive and muscular events throughout defecation

What to expect.....

Manometry, EMG and Stimulation, or applied therapeutic modality, are located at the office of Dr Jerald Hurdle. We ask that you check in at the front desk and complete appropriate paperwork. Once at the office, you will be escorted to a private room, and asked to remove your clothing from the waist down. You will then be seated in a comfortable chair and appropriately covered. Next, you will be instructed on how to insert the rectal sensor. If you are unable to insert suppositories, please let us know so that we may make arrangements to assist you. Once the sensor is in place, additional markers may be placed on your abdomen and the procedure will begin.

You will be asked to perform various motions in order to accurately evaluate the musculature of your pelvic floor. To perform these motions correctly you should imagine sitting on something hot, then try to lift your anus off the hot seat without moving your buttocks. It is a squeezing motion. It is important not to tense up or squeeze any other muscle in your body, including your legs, arms and stomach.

Applied Therapeutic Modality (or stimulation) uses a small sensor to send mild electrical pulses to the nerves located in the Anorectal sphincter and pelvic floor musculature, which influence performance and management of defecatory function. This electrical stimulation may alleviate or eliminate defecatory dysfunction.

Once the maneuvers have been completed, and the probe removed, the information obtained will be reviewed with you. Any questions you may have will be addressed at that time.