

Gastrointestinal Motility Tests And Problem Oriented Approach

Intestine transplantation gastroenterological and congenital conditions such as Crohn's disease, necrotizing enterocolitis, mesenteric ischemia, motility disorder, omphalocele/gastroschisis Intestine transplantation (intestinal transplantation, or small bowel transplantation) is the surgical replacement of the small intestine for chronic and acute cases of intestinal failure. While intestinal failure can oftentimes be treated with alternative therapies such as parenteral nutrition (PN), complications such as PN-associated liver disease and short bowel syndrome may make transplantation the only viable option. One of the rarest type of organ transplantation performed, intestine transplantation is becoming increasingly prevalent as a therapeutic option due to improvements in immunosuppressive regimens, surgical technique, PN, and the clinical management of pre and post-transplant patients 12482c31ad

Amphetamine Amphetamine was discovered as a chemical in 1887 by Lazăr Edeleanu, and then as a drug in the late 1920s. may reduce gastrointestinal motility (the rate at which content moves through the digestive system); however, amphetamine may increase motility when the Amphetamine is a central nervous system (CNS) stimulant that is used in the treatment of attention deficit hyperactivity disorder (ADHD), narcolepsy, and obesity; it is also used to treat binge eating disorder in the form of its inactive prodrug lisdexamfetamine. The term is frequently used informally to refer to any combination of the enantiomers, or to either of them alone. Amphetamine properly refers to a specific chemical, the racemic free base, which is equal parts of the two enantiomers in their pure amine forms. It exists as two enantiomers: levoamphetamine and dextroamphetamine. Historically, it has been used to treat nasal congestion and depression. Amphetamine is also used as 12482c31ad

Protozoan infections are responsible for diseases that affect many different types of organisms, including plants, animals, and some marine life. Many of the most prevalent and deadly human diseases are caused by a protozoan infection, including African sleeping sickness, amoebic dysentery, and malaria. 12482c31ad

Spironolactone Spironolactone is usually available in tablets, taken by mouth, though topical forms are also available. It can be used to treat fluid build-up due to liver disease or kidney disease. Other uses include acne and excessive hair growth in women, low blood potassium that does not improve with supplementation, high blood pressure that is difficult to treat and early puberty in boys. It can also be used to block the effects of testosterone as a part of feminizing hormone therapy. However, such Spironolactone, sold under the brand name Aldactone among others, is classed as a diuretic medication. It is also used to reduce risk of disease progression, hospitalization and death due to some types of heart failure. with testicular atrophy and reversibly reduced fertility, including semen abnormalities such as decreased sperm count and motility in cis men 12482c31ad

Many chiropractors (often known informally as chiros), especially those in the field's early history, have proposed that mechanical disorders affect general health, and that regular manipulation of the spine (spinal adjustment) improves general health. A chiropractor... 12482c31ad

Chiropractic Most who seek chiropractic care do so for low back pain. The main chiropractic treatment technique involves manual therapy but may also include exercises and health and lifestyle counseling. "Chiropractic treatment for gastrointestinal problems: A systematic review of clinical trials" S2CID 25339207. Canadian Journal of Chiropractic () is a form of alternative medicine concerned with the diagnosis, treatment and prevention of mechanical disorders of the musculoskeletal system, especially of the spine. Ernst E (2011). Chiropractic is well established in the United States, Canada, and Australia, along with other manual-therapy professions such as osteopathy and physical therapy 12482c31ad

Organ-on-a-chip The convergence of labs-on-chips (LOCs) and cell biology has permitted the study of human physiology in an organ-specific context. It constitutes the subject matter of significant biomedical engineering research, more precisely in bio-MEMS. cell motility in response to chemotactic stimuli, stem cell differentiation, axon guidance, subcellular propagation of biochemical signaling and embryonic An organ-on-a-chip (OOC) is a multi-channel 3D microfluidic cell culture, integrated circuit (chip) that simulates the activities, mechanics and physiological response of an entire organ or an organ system. By acting as a more sophisticated in vitro approximation of complex tissues than standard cell culture, they provide the potential as an alternative to animal models for drug development and toxin testing 12482c31ad

Dextroamphetamine It is also used illicitly to enhance cognitive and athletic performance, and recreationally as an aphrodisiac and euphoriant. may reduce gastrointestinal motility (the rate at which content moves through the digestive system); however, amphetamine may increase motility when the Dextroamphetamine is a potent central nervous system (CNS) stimulant and enantiomer of amphetamine that is used in the treatment of attention deficit hyperactivity disorder (ADHD) and narcolepsy. Dextroamphetamine is generally regarded as the prototypical stimulant 12482c31ad

The amphetamine molecule exists as two enantiomers, levoamphetamine and dextroamphetamine. Dextroamphetamine is the dextrorotatory, or 'right-handed', enantiomer and exhibits more pronounced effects on the central nervous system than levoamphetamine. Pharmaceutical dextroamphetamine sulfate is available as both a brand name and generic drug in a variety of dosage forms. Dextroamphetamine is sometimes prescribed... 12482c31ad Common side effects include electrolyte abnormalities, particularly high blood potassium, nausea, vomiting... 12482c31ad

Protozoan infection These organisms are now classified in the supergroups Excavata, Amoebozoa, Harosa (SAR supergroup), and Archaeplastida. They are usually contracted by either an insect vector or by contact with an infected substance or surface. osmoregulation, and phagocytic vacuoles allow select protists to ingest food. In some protists, flagella or cilia may be present to help with motility and nutrient Protozoan infections are

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parasitic diseases caused by organisms formerly classified in the kingdom Protozoa 12482c31ad

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The species originally termed "protozoa" are not closely related to each other and only have superficial similarities (eukaryotic, unicellular, motile, though... 12482c31ad

Hypnotherapy Prepares client to enter hypnotic state by explaining how hypnosis works and what client will experience. determine nature of problem. Tests subject to determine Hypnotherapy, also known as hypnotic medicine, is the use of hypnosis in psychotherapy. Hypnotherapy is generally not considered to be based on scientific evidence, and is rarely recommended in clinical practice guidelines. However, several psychological reviews and meta-analyses suggest that hypnotherapy can be effective as an adjunctive treatment for a number of disorders, including chronic and acute pain, irritable bowel syndrome, post-traumatic stress disorder (PTSD), phobias, and some eating disorders 12482c31ad

Although multiple publications claim to have translated organ functions onto this interface, the development of these microfluidic applications is... 12482c31ad

Escherichia coli Most E. For example, some strains of E. coli and humans are a type of mutualistic biological relationship—where both the humans and the E. coli benefit their hosts by producing vitamin K2 or by preventing the colonization of the intestine by harmful pathogenic bacteria. coli are benefitting each other. coli strains are part of the normal microbiota of the gut, where they constitute about 0. These mutually beneficial relationships between E. coli is expelled into the environment. These bacteria are mostly harmless or even beneficial to humans. prokaryotes placed these in a handful of genera based on their shape and motility (at that time Ernst Haeckel's classification of bacteria in the kingdom Escherichia coli (ESH-ə-RIK-ee-ə KOH-lye) is a gram-negative, facultative anaerobic, rod-shaped, coliform bacterium of the genus Escherichia that is commonly found in the lower intestine of warm-blooded organisms 12482c31ad

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