

Clinical Anesthesia 7th Ed

A complete mole is caused by either a single sperm (90% of the time) or two sperm (10% of the... 499b1fcc4d

Miller's Anesthesia First published in 1981 by Churchill Livingstone, it was originally catered to an American Miller's Anesthesia is an authoritative textbook on anesthesiology. Miller's Anesthesia is an authoritative textbook on anesthesiology 499b1fcc4d

Some drawbacks of desflurane are its low potency, its pungency and its high cost (though at low flow fresh gas rates, the cost difference between desflurane and isoflurane appears to be insignificant). It may cause tachycardia and airway irritability... 499b1fcc4d

Analeptic remifentanyl, and sevoflurane. The term analeptic typically refers to respiratory stimulants (e. Analeptics include a wide variety of medications used to treat depression, attention deficit hyperactivity disorder (ADHD), and respiratory depression. In clinical settings, analeptics such as doxapram have been used to help patients recover from anesthesia better, as well as to remove An analeptic, in medicine, is a type of central nervous system (CNS) stimulant. , doxapram). Analeptics can also be used as convulsants, with low doses causing patients to experience heightened awareness, restlessness, and rapid breathing. g 499b1fcc4d

Desflurane Together with sevoflurane, it is gradually replacing isoflurane for human use, except in economically undeveloped areas, where its high cost precludes its use.). Clinical Anesthesia (7th ed. Stoelting RK, Cahalan M, Stock MC, Ortega R (7 February 2013). Lippincott Williams & Wilkins. It has the most rapid onset and offset of the volatile anesthetic drugs used for general anesthesia due to its low solubility in blood. pp. ISBN 978-1-4698-3027-8 Desflurane (1,2,2,2-tetrafluoroethyl difluoromethyl ether) is a highly fluorinated methyl ethyl ether used for maintenance of general anesthesia. 470-. Like halothane, enflurane, and isoflurane, it is a racemic mixture of (R) and (S) optical isomers (enantiomers) 499b1fcc4d

Intraoperative awareness with explicit recall is an infrequent condition with potentially devastating psychological consequences. While it has gained popular recognition in the press, research shows that it occurs at an incidence rate of only 0.1–0.2%. Patients... 499b1fcc4d

Anesthesia awareness While anesthesia awareness is possible without resulting in any long-term memory of the experience, it is also possible for victims to have awareness with explicit recall, where they can remember the events related to their surgery (intraoperative awareness with explicit recall). Awareness under anesthesia, also referred to as intraoperative awareness or accidental awareness during general anesthesia (AAGA), is a rare complication Awareness under anesthesia, also referred to as intraoperative awareness or accidental awareness during general anesthesia (AAGA), is a rare complication of general anesthesia wherein patients regain varying levels of consciousness during their surgical procedures 499b1fcc4d

The importance of determining the therapeutic range of a drug cannot be overstated. This is generally... 499b1fcc4d

Atipamezole Anesthesia and Atipamezole , sold under the brand name Antisedan among others, is a synthetic $\alpha 2$ adrenergic receptor antagonist used for the reversal of the sedative and analgesic effects of dexmedetomidine and medetomidine in dogs. ISBN 978-0-323-06876-5.). Clinical Veterinary Advisor – E-Book: Dogs and Cats (2nd, revised ed.). There is a low rate of side effects, largely due to atipamezole. This occurs due to profound hypotension caused by reversal of the alpha 1 effects while the reflex bradycardia is still in effect. Its reversal effect works by competing with the sedative for $\alpha 2$ -adrenergic receptors and displacing them. It is mainly used in veterinary medicine, and while it is only licensed for dogs and for intramuscular use, it has been used intravenously, as well as in cats and other animals (intravenous use in cats and dogs is not recommended due to the potential for cardiovascular collapse. Fish RE (2008). Elsevier Health Sciences 499b1fcc4d

It can be used as an alternative to general anaesthesia or as adjunct to it. 499b1fcc4d It is typically used in paediatrics to provide peri- and post-operative analgesia for surgeries below the umbilicus. In adults, it can be used in the context of anorectal surgery or for chronic low back pain management. 499b1fcc4d

Caudal anaesthesia Caudal anaesthesia (or caudal anesthesia) is a form of neuraxial regional anaesthesia conducted by accessing the epidural space via the sacral hiatus. Caudal anaesthesia (or caudal anesthesia) is a form of neuraxial regional anaesthesia conducted by accessing the epidural space via the sacral hiatus 499b1fcc4d

The primary medical use of these drugs is as an anesthetic recovery tool or to treat emergency respiratory depression. 499b1fcc4d

History of general anesthesia Throughout recorded history, attempts at producing a state of general anesthesia can be traced back to the writings of ancient Sumerians, Babylonians, Throughout recorded history, attempts at producing a state of general anesthesia can be traced back to the writings of ancient Sumerians, Babylonians, Assyrians, Akkadians, Egyptians, Persians, Indians, and Chinese 499b1fcc4d

Molar pregnancy During a molar pregnancy, the uterus contains a growing mass characterized by swollen chorionic villi, resembling clusters of grapes. It falls under the category of gestational trophoblastic diseases. The advantages of spinal anesthesia over general anesthesia include A molar pregnancy, also known as a hydatidiform mole, is an abnormal form of pregnancy in which a non-viable fertilized egg implants in the uterus. The occurrence of a molar pregnancy can be attributed to the fertilized egg lacking an original maternal nucleus. As a result, the products of conception may or may not contain fetal tissue. effect of anesthesia, preferably spinal anesthesia in hemodynamically stable patients. These molar pregnancies are categorized into two types: partial moles and complete moles, where the term 'mole' simply denotes a clump of growing tissue or a 'growth' 499b1fcc4d

It has been stated that any substance can be toxic at a high enough dose. This concept was demonstrated in 2007 when a California woman died of water intoxication in a contest sanctioned by a radio station. The line between efficacy and toxicity is dependent upon the particular patient, although the dose administered by a physician should fall into the predetermined therapeutic window of the drug. 499b1fcc4d Despite significant advances in anatomy and surgical techniques during the Renaissance, surgery remained a last-resort treatment largely due to the pain associated with it. This limited surgical procedures to addressing only life-threatening conditions, with techniques focused on speed to limit blood loss. All of these interventions carried high risk of complications, especially death. Around 80% of surgeries led to severe infections, and 50% of patients died either during surgery or from complications thereafter. Many of the patients who were fortunate enough to survive remained... 499b1fcc4d Other drugs of this category are prethcamide, pentylenetetrazole, and nikethamide. Nikethamide is now withdrawn due to risk of convulsions. Analeptics have recently been used to better understand the treatment of a barbiturate... 499b1fcc4d

Effective dose (pharmacology)). Eriksson L, Fleisher L, Wiener-Kronish J, Young W (May 2009). 500–504. In pharmacology, an effective dose (ED) or effective concentration (EC) is the dose or concentration of a drug that produces a biological response. pp. Miller's Anesthesia (7th ed. Churchill Livingstone. The term "effective dose" is used when measurements are taken in vivo, while "effective concentration" is used when the measurements are taken in vitro. ISBN 978-1-4557-0876-5 499b1fcc4d

Supraspinous ligament (eds.), "Chapter 68 Spinal Anesthesia", Essentials of Pain Medicine and Regional Anesthesia (Second Edition), Philadelphia: Churchill Livingstone - The supraspinous ligament (also known as the supraspinal ligament) is a ligament extending across the tips of the spinous processes of the vertebra of the vertebral column. Liu, Spencer S 499b1fcc4d

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