

Lithium Medication Side Effects

List of investigational bipolar disorder drugs f28b52da55 Lithium carbonate is an important industrial chemical. It is a precursor to compounds used in lithium-ion batteries. f28b52da55

Drug holiday It is recommended not to discontinue any medication without the close supervision of the prescribing party as it is only for specific cases. unwanted side effects, assuming that both will dissipate after an extended vacation. [citation needed] One-day drug holidays in the lithium treatment A drug holiday (sometimes also called a drug vacation, medication vacation, structured treatment interruption, tolerance break, treatment break, t-break, or strategic treatment interruption) is when a patient stops taking a medication(s) for a period of time; anywhere from a few days to many months or even years if the doctor or medical provider feels it is best for the patient f28b52da55

Lithium citrate was one of the lithium salts used to add lithium to drinks and water (lithia water) in the late 19th century and the early 20th century, when there was a general health craze for lithium with it believed to be a cure-all. The soft drink 7Up was at one point named "7Up Lithiated Lemon Soda" when it was formulated in 1929 because it claimed to contain lithium citrate. The beverage was a patent medicine marketed as a cure for hangover. In 1936 the United States federal government forced the manufacturer to remove a number of health claims, and because "lithium was not an actual ingredient", the name was changed to just "7 Up" in 1937. Many sources repeat an incorrect version of the... f28b52da55 The main antithyroid drugs are carbimazole (in the UK), methimazole (in the US), and propylthiouracil (PTU). A less common antithyroid agent is potassium

perchlorate. f28b52da55

Lithium toxicity Symptoms may include a tremor, increased reflexes, trouble walking, kidney problems, and an altered level of consciousness. chemical elements Diabetes insipidus Lithium (medication) Hedy, Shireen A. StatPearls. StatPearls Lithium toxicity, also known as lithium overdose, is the condition of having too much lithium. ; Avula, Akshay; Swoboda, Henry D. "Lithium Toxicity". Some symptoms may last for a year after levels return to normal. Complications may include serotonin syndrome. (2019) f28b52da55

== History == f28b52da55

Lithium (Evanescence song) She described. used the word "Lithium" as a "metaphor for numbness" for herself, adding that she's known people on the medication and seen its effects f28b52da55

== See also == f28b52da55 Lithium is teratogenic and can cause birth defects at high doses, especially during the first trimester of pregnancy. The use of lithium while breastfeeding is controversial; many international health authorities advise against it, and the long-term outcomes of perinatal lithium exposure have not been studied. The American Academy of Pediatrics lists lithium as contraindicated for pregnancy and lactation. The United States Food and Drug Administration (FDA) categorizes lithium as having positive evidence of risk for pregnancy and possible hazardous risk for lactation. f28b52da55 Gastric lavage and whole bowel irrigation may be useful if done early. Activated charcoal is not effective. For severe toxicity hemodialysis is recommended. The risk of death is generally low. Acute toxicity generally has better outcomes than chronic toxicity. In the United States about 5,000 cases are reported to poison control centers a year. Lithium toxicity was first described in 1898. f28b52da55 Mood stabilizers are considered a cornerstone in the treatment

of bipolar disorder, where they help prevent relapses into both manic and depressive episodes and maintain long-term mood stability. f28b52da55 They are also prescribed for the bipolar type of schizoaffective disorder, and in some cases are used as adjuncts for treatment-resistant major depressive disorder. In addition, certain mood stabilizers have been shown to reduce impulsivity and aggression in selected psychiatric and neurological conditions. f28b52da55

Lithium cocrystal The lithium salicylate/L-proline cocrystal allows approximately 20% lower blood serum levels versus lithium carbonate, and thus fewer attendant side effects. This formulation allows more of the compound to cross the blood-brain barrier and into the central nervous system. Lithium cocrystal was created in 2004 at the University of South Florida. Retrieved 2026-01-10 Lithium cocrystal (AL-001, Lithium salicylate/L-proline cocrystal, LiProSal, LISPRO) is a form of lithium that combines lithium salicylate and the amino acid L-proline. ncbi. nih. The ionic cocrystal (ICC) form combines the lithium salt with an organic anion. pubchem. nlm. "Lithium Salicylate". of investigational post-traumatic stress disorder drugs Lithium (medication) PubChem. The compound is in phase 2 clinical trials for Alzheimer's disease, bipolar disorder, major depressive disorder and PTSD. gov. It is under development by Alzamend Neuro with the designation AL-001, with phase II trials for bipolar disorder and Alzheimer's disease beginning in April 2026 f28b52da55

== History == f28b52da55 == Rechargeable batteries == f28b52da55 Lithium salts are classified as mood stabilizers. Lithium... f28b52da55

Mood stabilizer properties, making it unique among psychiatric medications. In addition to its effects on suicide, lithium also decreases all-cause mortality in people A mood stabilizer is a psychiatric medication used to treat mood disorders characterized by intense and sustained mood shifts, such as bipolar disorder and the bipolar type of schizoaffective disorder f28b52da55

Planned drug holidays are used in some fields of medicine. They are perhaps best known in HIV therapy, after a study suggested that stopping medication may stimulate the immune system to attack the virus. As of 2025, there is a scientific consensus against drug holiday for HIV. f28b52da55 Evidence also suggests that lithium, in particular, reduces the risk of suicide in patients with mood disorders, making it a unique therapeutic option among mood stabilizers. f28b52da55 Lithium (medication) f28b52da55 == Signs and symptoms == f28b52da55

Antimanic drug Though there are different causes of mania, the majority is caused by bipolar disorder, therefore antimanic drugs are mostly similar to drugs treating bipolar disorder. lowered risk of extrapyramidal side effects compared with first generation antipsychotics. Common adverse effects of lithium include nausea, headache, diarrhoea An antimanic drug is a psychiatric drug that is used to treat symptoms of mania. Since 1970s, antimanic drugs have been used specifically to control the abnormal elevation of mood or mood swings during manic episodes f28b52da55

In addition to drug holidays that are intended for therapeutic effect, they are sometimes used to reduce drug side effects so that patients may enjoy a more normal life for a period of time such as a weekend or holiday... f28b52da55

Lithium (medication) Certain lithium compounds, also known as lithium salts, are used as psychiatric medication, primarily for bipolar disorder and for major depressive disorder Certain lithium compounds, also known as lithium salts, are used as psychiatric medication, primarily for bipolar disorder and for major depressive disorder. Lithium is taken orally (by mouth) f28b52da55

Symptoms of lithium toxicity can be mild, moderate, or severe... f28b52da55 Common side effects include increased urination, shakiness of the hands, and increased thirst. Serious side effects include hypothyroidism, diabetes insipidus, and lithium toxicity. Blood level monitoring is recommended to

decrease the risk of potential toxicity. If levels become too high, diarrhea, vomiting, poor coordination, sleepiness, and ringing in the ears may occur. f28b52da55 One purpose of antimanic drugs is to alleviate or shorten the duration of an acute mania. Another objective is to prevent further cycles of mania and maintain the improvement achieved during the acute episode. The mechanism of antimanic drugs has not yet been fully known, it is proposed that they mostly affect chemical neurotransmitters in the brain. However, the usage of antimanic drugs should be consulted with a doctor or pharmacist due to their side effects and interactions with other drugs and food. f28b52da55

Lithium citrate medbroadcast - Lithium citrate ($\text{Li}_3\text{C}_6\text{H}_5\text{O}_7$) is a lithium salt of citric acid that is used as a mood stabilizer in psychiatric treatment of manic states and bipolar disorder. due to a Food and Drug Administration ban. Medication description "pms-Lithium Citrate Uses, Side Effects, Interactions - MedBroadcast. com". There is extensive pharmacology of lithium, the active component of this salt f28b52da55

Another reason for drug holidays is to permit a drug to regain effectiveness after a period of continuous use, and to reduce the tolerance effect that may require increased dosages. f28b52da55 Lithium carbonate-derived compounds are crucial to lithium-ion batteries. Lithium carbonate may be converted into lithium hydroxide as an intermediate. In practice, two components of the battery are made with lithium compounds: the cathode and the electrolyte. The electrolyte is a solution of lithium hexafluorophosphate, while the cathode uses one of several lithiated structures, the most... f28b52da55 Lithium citrate is used to treat mania, hypomania, depression and bipolar disorder. It can be administered orally in the form of a syrup. Liquid lithium, in the form of lithium citrate, is available as an 8 mEq/5 mL solution in the United States. f28b52da55 Lithium toxicity can occur due to excessive intake or decreased excretion. Excessive intake may be either a suicide attempt or

accidental. Decreased excretion may occur as a result of dehydration such as from vomiting or diarrhea, a low sodium diet, or from kidney problems. The diagnosis is generally based on symptoms and supported by a lithium level in blood serum of greater than 1.2 mEq/L. f28b52da55 List of investigational post-traumatic stress disorder drugs f28b52da55 == Uses == f28b52da55

Lithium carbonate discovered the anti-manic effects of lithium ions. This finding led to lithium carbonate's use as a psychiatric medication to treat mania, the elevated Lithium carbonate is an inorganic compound, the lithium salt of carbonic acid with the formula Li_2CO_3 f28b52da55

The mechanisms of action of antithyroid drugs are not completely understood. Based on their mechanisms of action, the drugs are classified into following six classes. f28b52da55 List of investigational antidepressants f28b52da55 Glasses derived from lithium carbonate are useful in ovenware. Lithium carbonate is a common ingredient in both low-fire and high-fire ceramic glaze. It forms low-melting fluxes with silica and other materials. Its alkaline properties are conducive to changing the state of metal oxide colorants in glaze, particularly red iron oxide (Fe_2O_3). Cement sets more rapidly when prepared with lithium carbonate, and is useful for tile adhesives. When added to aluminium trifluoride, it forms LiF which yields a superior electrolyte for the processing of aluminium. f28b52da55

Antithyroid agent Hence, there are risks of serious side effects such An antithyroid agent is a hormone inhibitor acting upon thyroid hormones. Since lithium is neither metabolized nor protein-bound, its bioavailability usually is close to 100% f28b52da55

== Classification based on mechanisms of action == f28b52da55

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