



PHARMACOLOGY: Drug Interaction Studies

Zidovudine: Fluconazole increases the Cmax and AUC of zidovudine by 84% and 74%, respectively, due to an approximately 45% decrease in oral zidovudine clearance...

Carcinogenesis, Mutagenesis, and Impairment of Fertility

Fluconazole showed no evidence of carcinogenic potential in mice and rats treated orally for 24 months at doses of 2.5 mg/kg/day, 5 mg/kg/day, or 10 mg/kg/day (approximately 2 to 7 times the recommended human dose)...

Pregnancy Teratogenic Effects

Potential for Fetal Harm: Use in pregnancy should be avoided except in patients with severe or potentially life-threatening fungal infections in whom fluconazole may be used if the anticipated benefit outweighs the possible risk to the fetus...

Case reports describe a distinctive and rare pattern of birth defects among infants whose mothers received high-dose (400 to 800 mg/day) fluconazole during most or all of the first trimester of pregnancy...

Epidemiological studies suggest a potential risk of spontaneous abortion and congenital abnormalities in infants whose mothers were treated with 150 mg of fluconazole as a single or repeated dose in the first trimester...

Fluconazole was administered orally to pregnant rabbits during organogenesis in two studies at doses of 5 mg/kg, 10 mg/kg, and 20 mg/kg and at 5 mg/kg, 25 mg/kg, and 75 mg/kg, respectively...

In several studies in which pregnant rats received fluconazole orally during organogenesis, maternal weight gain was impaired and placental weights were increased at 25 mg/kg. There were no fetal effects at 5 mg/kg or 10 mg/kg...

Fluconazole was present in low levels in breast milk during administration of a single 150 mg dose, based on data from a study in 10 breastfeeding women who temporarily or permanently discontinued breastfeeding 5 days to 19 months postpartum...

Use in Pediatric Patients for the Treatment of Oropharyngeal Candidiasis: An open-label, randomized, controlled trial has shown fluconazole to be effective in the treatment of oropharyngeal candidiasis in pediatric patients 6 months to 13 years of age...

Use in Pediatric Patients for the Treatment of Candida Esophagitis, Systemic Candida Infections, or Cryptococcal Meningitis: The use of fluconazole in pediatric patients with cryptococcal meningitis, candida esophagitis, or systemic candida infections is supported by the efficacy shown for these indications in adults...

Use in Pediatric Patients for the Treatment of Systemic Candida Infections: The efficacy of fluconazole for the suppression of cryptococcal meningitis was successful in 4 of 5 pediatric patients (4 years to 10 years of age) treated in a compassionate-use study...

Use in Pediatric Patients for the Treatment of Systemic Candida Infections: The efficacy of fluconazole for the treatment of life-threatening or serious mycosis. There are limited clinical data to support the efficacy of fluconazole for the primary treatment of cryptococcal meningitis in pediatric patients...

The safety profile of fluconazole has been studied in 577 pediatric patients from 1 day to 17 years of age who received doses ranging from 1 to 15 mg/kg/day for 1 to 1,616 days (see ADVERSE REACTIONS).

Use in Pediatric Patients on Extracorporeal Membrane Oxygenation (ECMO): A prospective, open-label, single-center study was conducted to determine the PK and safety of fluconazole in pediatric patients (ages: from birth to 17 years of age) on ECMO (see CLINICAL PHARMACOLOGY).

Use in Prophylaxis of Invasive Candida Infections in Pediatric Patients (premature infants weighing less than 750 grams at birth): The safety and effectiveness of fluconazole tablets for the prophylaxis of invasive candidiasis in pediatric patients (premature infants weighing less than 750 grams at birth) have not been established...

Table 4: Death or Candidiasis by Day 49 in Premature Infants Receiving Fluconazole Prophylaxis

Table with 5 columns: Fluconazole (N=188) (%), Placebo (N=173) (%), P-value, Difference (95% CI). Rows include Death or candidiasis, Components of endpoint** Death Candidiasis, Missing.

*Subjects with missing data are imputed as having candidiasis or died. **Subjects may be counted more than once as two fluconazole subjects and four placebo subjects diagnosed with candidiasis subsequently died by day 49.

The most common fatal serious adverse reactions in the fluconazole tablets vs placebo arms, respectively, were necrotizing enterocolitis (NEC), 9 (5%) vs 9 (5%); neonatal bacterial sepsis, 6 (3%) vs 4 (2%); and neonatal respiratory failure, 4 (2%) vs 2 (0.6%).

The most common serious adverse reactions (>5%), reported in patients receiving fluconazole tablets prophylaxis are displayed in Table 5.

Table 5: Serious Adverse Reactions* Occurring in >5% of Infants Receiving Fluconazole Tablets Prophylaxis

Table with 3 columns: Adverse Reaction, Fluconazole Tablets (N=188) (%), Placebo (N=173) (%). Rows include Necrotizing Enterocolitis (NEC), Intestinal Perforation, Neonatal Respiratory Arrest/Neonatal Respiratory Failure, Bacterial Sepsis, Neonatal.

*All serious adverse reactions were assessed and recorded up through 30 days after the final dose of study drug. Serious adverse reactions included both fatal and non-fatal outcomes.

Geriatric Use

In non-AIDS patients, side effects possibly related to fluconazole treatment were reported in fewer patients aged 65 and older (9%, n=33) than for younger patients (14%, n=224). The spectrum of these hepatic reactions has ranged from mild transient elevations in responses between the elderly and younger patients.

Fluconazole is primarily cleared by renal excretion as unchanged drug. Because elderly patients are more likely to have decreased renal function, care should be taken to adjust dose based on creatinine clearance. It may be useful to monitor renal function (see CLINICAL PHARMACOLOGY and DOSAGE AND ADMINISTRATION).

ADVERSE REACTIONS

Fluconazole is generally well tolerated. In some patients, particularly those with serious underlying diseases such as AIDS and cancer, changes in renal and hematological function test results and hepatic abnormalities have been observed during treatment with fluconazole and comparative agents, but the clinical significance and relationship to treatment is uncertain.

In Patients Receiving a Single Dose for Vaginal Candidiasis:

During comparative clinical studies conducted in the United States, 448 patients with vaginal candidiasis were treated with fluconazole, 150 mg single dose. The overall rate of side effects possibly related to fluconazole was 26%. In 422 patients receiving active comparative agents, the incidence was 16%. The most common treatment-related adverse events reported in the patients who received 150 mg single dose fluconazole for vaginitis were headache (13%), nausea (7%), and abdominal pain (6%).

In Patients Receiving Multiple Doses for Other Infections:

Sixteen percent of over 4000 patients treated with fluconazole in clinical trials of 7 days or more experienced adverse events. Treatment was discontinued in 1.5% of patients due to adverse clinical events and in 1.3% of patients due to laboratory test abnormalities.

Hepato-biliary: In combined clinical trials and marketing experience, there have been rare cases of serious hepatic reactions during treatment with fluconazole (see WARNINGS). The spectrum of these hepatic reactions has ranged from mild transient elevations in responses to clinical hepatitis, cholestasis and fulminant hepatic failure, including fatalities.

What are Fluconazole Tablets? Fluconazole tablets are a prescription medicine used to treat vaginal yeast infections caused by a yeast called Candida. Fluconazole tablets helps stop too much yeast from growing in the vagina so the yeast infection goes away.

Fluconazole tablets is different from other treatments for vaginal yeast infections because it is a tablet taken by mouth. Fluconazole tablets is also used for other conditions. However, this leaflet is only about using fluconazole tablets for vaginal yeast infections. For information about using fluconazole tablets for other reasons, ask your healthcare provider.

What is a vaginal yeast infection? It is normal for a certain amount of yeast to be found in the vagina. Sometimes too much yeast starts to grow in the vagina and this can cause a yeast infection. Vaginal yeast infections are common. About three out of every four adult women will have at least one vaginal yeast infection during their life.

Some medicines and medical conditions can increase your chance of getting a yeast infection. If you are pregnant, have diabetes, use birth control pills, or take antibiotics you may get yeast infections more often than other women. Personal hygiene and certain types of clothing may increase your chances of getting a yeast infection.

What are the ingredients in fluconazole tablets? Active ingredient: fluconazole. Inactive ingredients: croscarmellose sodium, dibasic calcium phosphate anhydrous, FD&C Red No. 40, magnesium stearate, microcrystalline cellulose and povidone.

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In Phase II/III clinical trials conducted in the United States and in Europe, 577 pediatric patients, ages 1 day to 17 years were treated with fluconazole doses up to 15 mg/kg/day for up to 1,616 days. Thirteen percent of pediatric patients experienced treatment-related adverse events.

Percentage of Patients With Treatment-Related Side Effects. Table with 3 columns: Fluconazole (N=577), Comparative Agents (N=451). Rows include Vomiting, Abdominal pain, Nausea, Diarrhea.

Clinical Trials Experience in Pediatric Patients: Safety in Prophylaxis of Invasive Candida Infections in Premature Infants weighing less than 750 grams at birth in a Phase 3 clinical trial of pediatric patients (premature infants weighing less than 750 grams at birth), the incidence of intestinal perforation in infants receiving fluconazole tablets prophylaxis was higher compared to infants receiving placebo (see PRECAUTIONS: Pediatric Use).

Safety in Pediatric Patients Receiving ECMO: A cohort of 20 pediatric patients (1 day to 17 years of age) on ECMO received fluconazole tablets in a prospective, open-label, single-center safety and PK/ECMO study. The adverse reaction profile of fluconazole tablets in these patients was similar to that of adult and pediatric non-ECMO patients (see PRECAUTIONS: Pediatric Use).

OVERDOSEAGE: There have been reports of overdose with fluconazole accompanied by hallucination and paranoid behavior. Fluconazole is largely excreted in urine. A 3-hour hemodialysis session decreases plasma levels by approximately 50%.

DOSEAGE AND ADMINISTRATION: Single Dose: The recommended dosage of fluconazole for vaginal candidiasis is 150 mg as a single oral dose. Multiple Dose: SINCE ORAL ABSORPTION IS RAPID AND ALMOST COMPLETE, THE DAILY DOSE OF FLUCONAZOLE IS THE SAME FOR ORAL TABLETS AND INTRAVENOUS ADMINISTRATION.

Prophylaxis in patients undergoing bone marrow transplantation: The recommended fluconazole daily dosage for the prevention of candidiasis in patients undergoing bone marrow transplantation is 400 mg, once daily. Patients who are anticipated to have severe granulocytopenia (less than 500 neutrophils cells/mm³) should start fluconazole prophylaxis several days before the anticipated onset of neutropenia, and continue for 7 days after the neutrophil count rises above 1000 cells/mm³.

Do not take Fluconazole Tablets if you: • are allergic to fluconazole, the active ingredient in fluconazole tablets, or any of the ingredients in fluconazole tablets. See the end of this Patient Information leaflet for a complete list of ingredients in fluconazole tablets.

Before you take fluconazole tablets, tell your healthcare provider about all of your medical conditions, if you: • have liver problems • have kidney problems • have heart problems including heart arrhythmias • have hypokalemia (low potassium) • are pregnant or plan to become pregnant. Tell your healthcare provider right away if you become pregnant while taking fluconazole tablets.

Before you start taking Fluconazole Tablets, tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements. Especially tell your healthcare provider if you take: • diabetes medicines such as glyburide, tolbutamide, glipizide • blood pressure medicines like hydrochlorothiazide, losartan, amlodipine, verapamil, nifedipine or felodipine • blood thinners such as warfarin • cyclosporine, tacrolimus or sirolimus (used to prevent rejection of organ transplants) • rifampin or rifabutin for tuberculosis • phenytoin or carbamazepine to control seizures • theophylline to control asthma • quinidine (used to correct disturbances in heart rhythm) • amiodarone (used for treating uneven heartbeats 'arrhythmias') • amitriptyline or nortriptyline for depression • pimoizide for psychiatric illness • amphotericin B or voriconazole for fungal infections • erythromycin for bacterial infections • olaparib, cyclophosphamide or vinca alkaloids such as vincristine or vinblastine for treatment of cancer • fentanyl, alfentanil or methadone for chronic pain • ibuprofen used for treating blood cancer • ivacafator or ivacafator combinations, such as tezacaftor/ivacaftor and ivacaftor/tezacaftor/elezacaftor, used to treat cystic fibrosis • lurasidone used to treat schizophrenia or depression • lemborexant, used for the treatment of insomnia • lipid lowering drugs such as atorvastatin, simvastatin, and fluvastatin • non-steroidal anti-inflammatory drugs including celecoxib, ibuprofen, and naproxen • prednisone, a steroid used to treat skin, gastrointestinal, hematological or respiratory disorders

antiviral medications used to treat HIV like saquinavir or zidovudine • tofacitinib for rheumatoid arthritis • abrocitinib (used to treat atopic dermatitis, also known as eczema) • vitamin A nutritional supplement • tolvaptan used to treat hyponatremia (low levels of sodium in your blood) or to slow kidney function decline

Since there are many brand names for your healthcare provider or pharmacist if you have any questions.

How should I take Fluconazole Tablets? • Take fluconazole tablets exactly as your healthcare provider tells you to. • Take fluconazole tablets by mouth with or without food. If you take too much fluconazole tablets, call your healthcare provider or go to the nearest emergency room right away.

What should I avoid while taking Fluconazole Tablets? Fluconazole tablets can cause dizziness and seizures. Do not drive or operate machinery until you know how fluconazole tablets affects you.

What are the possible side effects of Fluconazole Tablets? Fluconazole Tablets may cause serious side effects including: • serious liver problems. Some people with serious medical problems have developed serious liver problems that became life-threatening or caused death while taking fluconazole tablets. Sometimes these liver problems can be reversed when you stop taking fluconazole tablets. Tell your healthcare provider right away if you have symptoms of serious liver problems including: o dark colored urine o light-colored stools o vomiting o severe skin itching o tiredness o loss of appetite o yellowing of the skin and eyes (jaundice)

• serious allergic reactions: Serious allergic reactions (anaphylaxis) have happened while taking fluconazole tablets. Stop taking fluconazole tablets, call your healthcare provider or go to the nearest hospital emergency room right away if you get any signs or symptoms of an allergic reaction including: o shortness of breath o coughing o wheezing o fever o skin rash, hives, blisters o throbbing of the heart o swelling of the eyelids o skin peeling o ears o face, mouth, neck, or any other part of the body o chills

• serious skin problems. Some people with serious medical problems have developed serious skin problems that have caused death while taking fluconazole tablets. Tell your healthcare provider right away if you develop a rash while taking fluconazole tablets.

The most common side effects of fluconazole tablets include: o headache o diarrhea o nausea or upset stomach o dizziness o stomach pain o changes in the way food tastes

Other side effects include: • adrenal insufficiency: Some people who have taken fluconazole tablets developed adrenal insufficiency that was reversible. Tell your healthcare provider right away if you have symptoms of adrenal insufficiency including: o long lasting fatigue o muscle weakness o loss of appetite o weight loss o stomach pain o dizziness o nausea o vomiting

These are not all the possible side effects of fluconazole tablets. Call your healthcare provider for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store Fluconazole Tablets? Store fluconazole tablets below 86°F (30°C). Keep fluconazole tablets and all medicines out of the reach of children.

General information about the safe and effective use of fluconazole tablets. Medicines are sometimes prescribed for purposes other than those listed in a Patient Information leaflet. Do not use fluconazole tablets for a condition for which it was not prescribed. Do not give fluconazole tablets to other people, even if they have the same symptoms you have. It may harm them.

What are the ingredients in fluconazole tablets? Active ingredient: fluconazole. Inactive ingredients: croscarmellose sodium, dibasic calcium phosphate anhydrous, FD&C Red No. 40, magnesium stearate, microcrystalline cellulose and povidone.

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Questions? Contact ScieGen Pharmaceuticals, Inc. at 1-855-724-3436

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• a burning feeling when you urinate • redness • soreness • a thick white vaginal discharge that looks like cottage cheese

Do not take Fluconazole Tablets if you: • take the following medicines: o quinidine o erythromycin o pimoizide • are allergic to fluconazole, the active ingredient in fluconazole tablets, or any of the ingredients in fluconazole tablets. See the end of this Patient Information leaflet for a complete list of ingredients in fluconazole tablets.

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