FLUCAND® 2 mg/ml

PHARMACOLOGICAL PROPERTIES

Fluconazole is a Triazoles analogue, water soluble for intravenous injection.
Fluconazole acts by inhibiting fungal ergosterol biosynthesis and is highly selective for fungal rather than mammalian sterol synthesis.

The In-vivo activity of Fluconazole appears to be substantially higher than might be exp

Susceptible species are

Candida especially albicans.
 Cryptococcus neoformanis

Usually resistant species:

Candida krusei

m, Trichophyten)

Asperollus species PHARMACOKINETICS

Oral and intravenous for nt on a pharmi

Oral and intravenous forms are equivalent on a pharmacokinetic basis. After oral administration, Fluconazole is well absorbed and fis bioavailability is 90%. Absorption is not affected by food intake. Alter oral administration in the fasting state occur between 0.5 and 1.5 hours post dose. Plasma concentrations are proportional to the dose:

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Plasma concentrations are 4.6 mogrim after a single 200 mg dose and 10 mogriml at steady state on the fifteenth day after administration of 200 mg/day.

Plask plasma concentrations are 9 mogrim later a single 400 mg dose and 18 mogriml at steady state on the fifteenth day after administration of 400 mg/day. Ninety percent of steady state level is reached by day 4 - 5 with once daily multiple dosing. The plasma elimination half-life is approximately 30 hours. The major route of excretion is renal with approximately 80% of the administrated dose appears in the urine as unchanged drug.

Fluconazole is poorly metabolized (11% of the administrated dose appears in the urine as metabolites) and it dose not seem necessary to modify the dose in case of hepstopathy.

metabolites) and it does not seem necessary to modify the dose in case of hepatopathy. Fluconazole clearance is proportional to creatinine clearance less than or equal to 40 ml/minute About 50% of Fluconazole is eliminated from 3 hour haemodialysis session

Cryptococcal meninaitis

In acute treatment, its efficacy has been demonstrated, mainly in patients suffering from AIDS. For other types of immunodepression (organ transplants, hemopathy), in patients previously not immunocompromised and in severe cases, the activity of fluconazole in relation to amphotericine B is not well known. The latter appears in sterilize CSF more rapidly.

Is not well known. That least appears or assessed our more sealing.

Fluoronazole is also indicated as a maintenance therapy in cryptococcal meninglits of patients suffering from ADS, in such case it must be prescribed indefinitely.

The efficacy of Eluconazole for other pulmonary or cutaneous cryptococcal localizations has not

been as clearly established. · Systemic candidiasis.

Systemic candidasis.
Including disseminated and deep candidasis, (candidemias, Peritonitis), esophageal & urinary candidasis. The efficacy in neutroperic patients has not been established in severe types, its efficacy versus Amphoterecia B is not known.
DOSAGE AND ADMINISTRATION
Pluconazole may be administered either orally or by intravenous infusion at a rate not exceeding 10 milminute, the route being dependent on the clinical state of the patient.
On transferring from the intravenous to the oral rate or vice versus, there is no need to change the daily dosage, Fluconazole IV is formulated in 0.9 % sodium chloride solution, each 200 mg (100 mf bottle) containing 15 mone each of Na - and C1*.
Because fluconazole is available as a saline solution in patients requiring sodium or fluid restrict consideration should be even to the rate of the definients retired.

consideration should be given to the rate of fluid administration.
Fluconazcle intravenous infusion is compatible with the following administration fluid:

a. 20% dextrose solution
 b. Ringer's solution

C. Hartmann's solution
 d. Potassium chloride in dextrose solution
 e. Sodium bicarbonate

During clinical trials and when administered incompatibilities with other products have not been noted as all this date. However, by way of a precautionary measure, the mixing of fluconazole with any other drup prior to Indusion is not recommended. In adults

Cryptococc

Acute treatment 400 mg/day (6 to 8 weeks) Maintenance therapy 200 mg/day (Lifetime treatment for patients suffering from AIDS)

Candidiacie

100 mg/day 100 to 200 mg/day 200 - 400 mg/day 200 - 400 mg/day 200 to 400 mg/day Urinary Peritonitis Disseminate candidiasis Candidemias
The duration of treatment is subject to clini

*For deep and disseminated candidiasis a 400 mg loading dose on day 1 is necessary

Caution must be applied to the prescription daily dosage should be adjusted according to creating clearance. Where there is no evidence of renal impairment no dosage recommendations in adults should be adopted.

For patients with renal impairment (Creatinine clearance < 40 ml/mm) the dosage schedu

be adjusted as described below

Patients with renal impairment

Fluconazole is predo ninantly excreted in the urine as unchanged drug

Normal doses should be given on day 1 and 2 of treatment and thereafter the dosing inten-should be modified in accordance with creatinine clearances as follows:

Creatinine clearance (ml/mm)	Dosing intervals (hours)
> 40	24 (normal dosage regimen)
21 - 40	48 (or one half of normal dose)
10 - 20	72 (or one third of normal dose)
Patients undergoing regular dialysis	One dose after every dialysis session

persensitivity to this drug or to related azole compounds

Based on experimental studies in animals a possible teratogenic effect cannot be excluded and geisently available data do not allow for precise assessment of the risk in humans. Consequently he use of fluconozole during pregnancy is contraindicated except in patients with severe or gotentially life-threatening fungal infections in whom fluconazole may be used if the anticipance benefit outwelps the possible risk to the fetus. Effective means of contraception must be used by women of child-bearing age.

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Licitation

Flugonazole is found in humans breast milk at concentrations similar to Plasma levels, hence its use in nursing mothers is not recommended.

WARNING

Babilistate are too limited for recommending its use.

WARNING

Children: Available data are too limited for recommending its use.

Drug Interactions

Fluornazole is highly specific for fungal cytochrom P450 dependant enzymes.

Combinations Requiring Precautions:

Oral anticoagulants (described with warfarin):
Increase of the oral anticoagulant effect and of hemorrhagic risk through diminished hepatic callabolism; more frequent monitoring of prothromabin time: the oral anticoagulant dosage should be indicated the catalogical propagate for 8 described. adjusted during treatment by fluconazole for 8 days

Sulfonylureas:

Increase of sulfonylureas half-life, with the possibility of hypoglycemic episodes; patient should be informed of hypoglycemic risk; urine glucose self-monitoring should be intensified and sulfonylureas informed of hypoglycemic risk; urine glucose self-monitor dosage be adjusted during treatment by fluconazole. Rifampicin:
Decrease of fluconazole plasma level and of the efficacy of both anti-infections drugs by enzymatic

indiction (due to Retampion) and diminished intestinal absorption (due to Ruconazole). Decrease of the Ruconazole AUC is 29% in case of combination with Ritiampion. Dosing intervals for administration of both anti-infections drugs should be extended.

Fludonazole plasma level should be n dosage should be adjusted, if needed

Fludonazore plasma level increase and may reach toxic values.

Phenytoir in plasma level increase and may reach toxic values.

Through inhibition of the phenytoin hepatic metabolism: carnful clinical monitoring of phenytoin plasma levels measurements and if needed adjustment of dosage during treatment by fluconazole

Cyclosporin:

saible increase of the cyclosporin circulating level (cyclosporin catabolism inhibition). Monitoring of rinal function, serum cyclosporin level and if needed dosage adjustment during combination treatment and after discontinuation.

Polisible inscrease of serum theophylline level through dismissed plasma clearance of theophyl Cirical monitoring and if needed monitoring of serum theophylline level is recommended. Ophibinations To Be Taken into Account:

Due to the lack of clinical studies, the combination of fluconazole with xanthic basis ar for caution. In such case, clinical examinations or indeed biological tests are required. Diuretics:

isma level (40%) of fluconazole was noted in healthy volunte reperving hydrochlorothiazide. Although the eventuality cannot be excluded, this increase does not necessitate fluconazole dosage adjustment in patients treated with diuretics.

Puconazole multiple dose interaction studies did not show.

Ary modification of the kinetics of the oral contraceptives in women with a 50 mg daily dosage.

Any consequences on endogenous steroid levels or on ACTH stimulated cortisol response with a

- Agy Cursequencies on ori encogenious seseriori sevels or on ACTH stimulated combo response with. 300 to 400 mg daily discage in healthy make volunteers.
- A Ripconzole 50 mg daily discage in healthy make volunteers.
- Deplarma concentrations in makes or steroid concentrations in females of child-bearing age.
- Plasma concentrations in makes or steroid concentrations in females of child-bearing age.
- Plasma concentrations in makes or steroid concentrations in females of child-bearing age.
- Plasma concentrations in makes or steroid concentrations.
- In child concentrations in makes or steroid concentrations.
- In child concentrations or makes or steroid concentrations.
- In child concentrations or makes or steroid concentrations.
- In child concentrations or steroid concentrations.
- In child concentrati is between fluconazole and zidovudine and/or pentamidine have not been

compounds.

These drugs have been simultaneously prescribed in patients suffering from AIDS, without any significant differences in side effect incidence. Infelection studies with antipyrine indicate that single or multiple doses of Fluconazole do not affect.

SIDE EFFECTS

After gastr

cointestinal symptoms, the second most commonly observed side effect was rash. Gastroinsistinal disorders include nausea, abdominal pain, diarrhea and flatulence. In some patients, particularly those with serious underlying diseases such as AIDS and cancer. In some patients, particularly those with serious underlying diseases such as AIDS and cancer. Statemanties of hepatic function, of cholestacts, or cytolytic type, isolated or combined most off

autorimatives or repeate function; or choisestatic, or cytolytic type, isolated or combined most often moderate.

Alinomatilies of renal and hatematological function have been observed during treatment with fluodrazole and comparative agents, but the clinical significance and relationship to treatment as at this date is most often unclear. Patients who develop abnormal liver function tests should be monitored for the develop

resense, who develop a structures ever nursoon tests should be monitored for the development of miles server hepatic injury. All hough serious hepatic reactions have been rar, if clinical signs and symptoms or laboratory values consistent with lever disease develop may be attributable to fluconazole, treatment should be discontinued. Patients with AIDS are more prone to the development of severe cutaneous reactions to many.

Patients were handly did and a service of the service excluding successful and service excluding the service excluding of the service of the

Fluconazole is largely excreted in the urine. Forced diuresis would probably increase the elim

ur heamodialysis session decreases plasma levels by approximately 50%

Fluconazole 2 mg/ ml

STORAGE n 15-25°C. Protect from freezing.

PRESENTATIONS

PRESENTATIONS
Vials:
Flucand 200 mg/ 100 ml:
Flucand 100 mg/ 50 ml:
Flucand 50 mg/ 25 ml:
Infusion bags:
Flucand 400 mg/ 200 ml:
Flucand 400 mg/ 100 ml:

and 200 mg/ 100 ml: Fluconazole : epients: Water for injection, Sodium chloride Fluconazole 2 mg/ ml

THIS IS A MEDICA



Keep medicament out of the reach of children 2INFLCI-EF-10/2006