Luf

Flucloxacillin BP

Composition
LUF-250 Capsule: Each capsule contains Flucloxacillin Sodium BP equivalent to 250 mg Flucloxacillin.
LUF-500 Capsule: Each capsule contains Flucloxacillin Sodium BP equivalent to 500 mg Flucloxacillin.
LUF 100 ml PFS: When reconstituted each 5 ml suspension contains Flucloxacillin Sodium BP equivalent to 125 mg Flucloxacillin.

Pharmacology
LUF (Flucloxacillin) is an antibiotic of penicillinase-resistant penicillin group. Flucloxacillin is bactericidal with a mode of action similar to that of benzylpenicillin but active against both penicillinase-producing and non-penicillinase-producing staphylococci. Flucloxacillin is better absorbed than cloxacillin but absorption is reduced by the presence of food in the stomach. Half-life of Flucloxacillin is approximately 1 hour, prolonged in neonates; about 95% of Flucloxacillin is bound to plasma proteins, about 66% of a dose is excreted in urine within 8 hours.

Indication
LUF (Flucloxacillin) is used primarily for the treatment of infections due to staphylococci resistant to benzylpenicillin, like -

- ***Skin and soft tissue infections :*** Boil, carbuncles, abscesses, infected skin conditions (ulcer, eczema, and acne) furunculosis, cellulitis, infected wounds, infected burns, otitis media, external impetigo and protection for skin grafts.
- ***Respiratory tract infections :*** pneumonia, lung abscess, emphema, sinusitis, pharyngitis, tonsillitis, quinsy.
- ***Bone and joint infections :*** osteomyelitis.
- ***Other infections caused by Flucloxacillin sensitive organism :*** enteritis, endocarditis, urinary tract infections, meningitis, septicaemia.
- ***As a prophylactic agents*** during major surgical procedures where appropriate Cardiothoracic & Orthopedic surgery.

Dosage and Administration
Dose should be individualized, depending on patient's conditions and response. **LUF** (Flucloxacillin) should be administered at least 30 minutes before meal.
Adults : 250 mg - 500 mg (***1 LUF-250 Cap - 1 LUF-500 Cap***) every 6 hours.
Children : Under 2 years : 62.5 mg -125 mg (***2.5 ml - 5 ml LUF PFS***) every 6 hours.
2-10 years : 125 mg - 250 mg (***5 ml -10 ml LUF PFS***) every 6 hours.
In endocarditis : Body weight under 85 kg : Up to 8 gm daily in 3-4 divided doses. Body weight over 85 kg : up to 12 gm in 6 divided doses.
In osteomyelitis : Up to 8 gm daily in 3-4 divided doses.
In renal impairment : dose or dose interval may need adjustment.
In hepatic impairment : Adjustment of dosage may not be necessary.

Contraindication
LUF is contraindicated in known hypersensitivity to Flucloxacillin or Penicillin.

Precaution
Flucloxacillin should be used with caution in hepatic impairment, renal impairment, allergic diathesis, history of colitis. Flucloxacillin can cause severe hepatitis and cholestatic jaundice, more frequent in older patients and those who take the drug for prolong period. Like other antibiotics, pseudomembranous colitis has been reported.

Side Effect
Gastro-intestinal: Nausea, vomiting, diarrhoea and dyspepsia, Hypersensitivity reactions: Erythematous,maculopapular rashes, urticaria, purpura, cosinophilia, angioneurotic oedema, anaphylaxis and erythema multiforme. Renal: Isolated cases of nephritis and haematuria. Liver: Hepatitis and cholestatic jaundice. And Haemic and lymphatic systems anaemia, thrombocytopenia, thrombocytopenic purpura, eosinophilia, leucopenia, neutropenia and agranulocytosis.

Use in Pregnancy and Lactation
In pregnancy : Pregnancy category B. Not known to be harmful nevertheless should be used during pregnancy only if clearly needed. In ***Lactation :*** Flucloxacillin is excreted in breast milk in trace amounts. So, it should be used with caution in nursing mothers and only if the expected benefit to the mother is greater than the possible risk to the nursing infant.

Drug Interactions
Probenecid : Excretion of Flucloxacillin is reduced, results in increased plasma concentration. Aminoglycosides (Gentamycin sulphate, Streptomycin sulphate) : loss of Flucloxacillin activity.

Overdose
Gastrointestinal effects such as nausea, vomiting and diarrhea may be evident and should be treated symptomatically. Flucloxacillin is not removed from the circulation by hemodialysis.

Direction for Reconstitution of Luf Suspension
First shake the bottle to loosen the powder. Then add 60 ml (12 teaspoonful) boiled and cooled water into the bottle with the help of the supplied 10 ml measuring cup and shake well to prepare 100 ml suspension.

Storage
Keep away from light and moisture and store below 25° C. Keep all medicines out of the reach of the children.

Packaging
LUF-250 Capsule : Each box contains 5 x 6's capsule in blister strips and an insert.
LUF-500 Capsule : Each box contains 5 x 6's capsule in blister strips and an insert.
LUF 100 ml PFS : Each bottle containing dry powder to make 100 ml suspension after reconstitution, an insert and a 10 ml measuring cup.

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