Cefazolin for Injection, USP

**INDICATIONS AND USAGE**

Cefazolin sodium USP is effective in the eradication of streptococci responsible for pharyngitis (Streptococcus pyogenes) and in infections caused by aerobic and anaerobic Gram-positive organisms. Cefazolin for Injection is also indicated for the prophylaxis of infections associated with surgical procedures in patients with normal renal function. It is not indicated for the treatment of infections due to streptococci when there is evidence of significant penicillin allergy.

**CONTRAINDICATIONS**

Cefazolin for Injection is contraindicated in patients with a known history of sensitivity to this drug, to penicillin, or to other β-lactam antibiotics.

**WARNING**

This product is given to penicillin-sensitive patients, caution should be exercised because cross-hypersensitivity among β-lactam antibiotics has been clearly documented and may occur. This product is given to penicillin-sensitive patients, caution should be exercised because cross-hypersensitivity among β-lactam antibiotics has been clearly documented and may occur. Use of this product in patients with a history of penicillin allergy requires cautious consideration of the potential benefits and risks of treatment.

**PRECAUTIONS**

**Labor and Delivery**

Cefazolin for Injection, like all β-lactam antibiotics, may cause a reversible reduction in platelet function.

**Drug Interactions**

Cefazolin sodium USP is not excreted in the usual sterile body fluids of patients with normal renal function, but drug levels may be increased in patients with renal failure. Cefazolin may be used in patients with renal impairment without risk of kidney damage. The treatment of febrile patients with a creatinine of 4.6 mg % or greater should be given 1/2 the usual dose every 18 to 24 hours. Cefazolin for Injection may be used in patients with reduced renal function with the greatest exposure to infective organisms.

**Pediatric Dosage:**

The pediatric dosage of cefazolin for injection is 50 mg/kg/day given in 2 or 3 divided doses.

**Dosage in Renal Impairment**

In patients undergoing hemodialysis (0.5 L/min), Cefazolin for Injection may be administered 1 hour prior to the start of the procedure. In patients undergoing peritoneal dialysis, Cefazolin for Injection should be given at the time of, or at least 1 hour prior to, the start of the procedure.

**CONVERSION OF DOSE TO BY-WEIGHT MILLIGRAMS**

Conversion of dose to by-weight milligrams can be calculated using the following formula:

\[ \text{mg/kg/day} \times \text{body weight (kg)} = \text{mg/day} \]

**Pharmacology**

Cefazolin is a bactericidal agent that acts by inhibition of bacterial cell wall synthesis.

**Pharmacokinetics**

Cefazolin is a bactericidal agent that acts by inhibition of bacterial cell wall synthesis.

**Administration**

Cefazolin may be administered without regard to meals.

**Drug Interactions**

Cefazolin sodium USP has the following structural formula:

\[
\text{C14H13N8NaO4S3}
\]

**Dosage Forms**

Cefazolin for Injection, USP solutions may range from pale yellow to yellow in color. Cefazolin for Injection, USP may be used in the treatment of infections caused by aerobic and anaerobic Gram-positive organisms. Cefazolin for Injection, USP may be used in patients with reduced renal function with the greatest exposure to infective organisms.

**DOSE AND ADMINISTRATION**

Cefazolin for Injection is usually well tolerated. If any signs of allergic response are observed it should be obtained from the physician's prescription for the appropriate dosage form. This product is presented in the carton of 25 vials. (See DOSAGE AND ADMINISTRATION).

**ADVERSE REACTIONS**

Cefazolin for Injection may be used in patients with reduced renal function with the greatest exposure to infective organisms. Cefazolin for Injection may be used in patients with reduced renal function with the greatest exposure to infective organisms.

**HUMAN PHARMACOLOGY**

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