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UTI



UTICHEK

Nitrofurantoin 100 mg Sustained Release Tablets

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DESCRIPTION:

- Utichek Tablet comes with Nitrofurantoin 100 mg sustained release formulation.

INDICATION:

- For the treatment of Urinary Tract Infection (acute uncomplicated urinary tract infections).

MECHANISM OF ACTION:

- Nitrofurantoin is a synthetic antimicrobial derived from furan by the addition of a nitro group and a side chain containing hydantion. Nitrofurantoin is bactericidal in urine at therapeutic dose.
- The mechanism of the antimicrobial action of Nitrofurantoin is unusual among antibacterials.
- Nitrofurantoin is reduced by bacterial flavoprotein to reactive intermediates which inactive or alter bacterial ribosomal proteins and other macro molecules.
- As result of such inactivation, the vital biochemical process of protein synthesis, aerobic energy metabolism, DNA synthesis, RNA synthesis and cell wall synthesis are inhibited.
- Nitrofurantoin is active against the Gram-negative (e.g. Escherichia coli) and Gram-positive (Staphylococcus saprophyticus) organisms that commonly causes urinary tract infection.

DOSAGE AND ADMINISTRATION:

- For treatment of infection: One 100 mg tablet two times a day for seven days.
- For Prevention of further infection: One 100 mg tablet at bed time.

ADMINISTRATION:

- UTICHEK should be taken with food. Take with or immediately after meal.

KEY FEATURE:

- Choice of drug in the treatment of UTI is quite narrow today due to the wide scale resistance against the common UTI pathogens. Nitrofurantoin is a good alternative antibiotics for treatment of bacterial UTI.¹
- Nitrofurantoin is a good alternative antibiotics to treat uncomplicated cystitis which is caused by antibiotic resistance Escherichia coli.²

1. Antibiotics 3,39-48:2014 | 2. Journal of Clinical and Diagnostic Research, Vol 5(5), 964-966:2011

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