

Nitrofurantoin:

Class: Antibiotic.

Indications:

Prevention and treatment of urinary tract infections caused by susceptible strains of *E. coli*, *S. aureus*, *Enterococcus*, *Klebsiella*, and *Enterobacter*

Available dosage form in the hospital: 100MG TAB, 50MG TAB, 25MG /5ML SUSPENSION.

Trade Names:

Dosage:

UTI treatment:

Furadantin®, Macrochantin®: Oral: 50-100 mg/dose every 6 hours; administer for 7 days or at least 3 days after obtaining sterile urine

Macrobid®: Oral: 100 mg twice daily for 7 days

UTI prophylaxis (Furadantin®, Macrochantin®): Oral: 50-100 mg/dose at bedtime.

Dosing: Renal Impairment

$Cl_{cr} \geq 60$ mL/minute: No dosage adjustment provided in manufacturer's labeling.

$Cl_{cr} < 60$ mL/minute: Use is contraindicated.

Common side effect:

Central nervous system: Chills, confusion, depression, dizziness, drowsiness, fever, headache, malaise

Dermatologic: dermatitis, pruritus, rash

Endocrine & metabolic: Hyperphosphatemia

Gastrointestinal: Abdominal pain, anorexia, *C. difficile* colitis, constipation, diarrhea, dyspepsia, flatulence, nausea, vomiting

Genitourinary: Urine discoloration (brown)

Hematologic:, glucose-6-phosphate dehydrogenase deficiency anemia, hemolytic anemia, leukopenia, megaloblastic anemia, thrombocytopenia

Ocular: Amblyopia, nystagmus, optic neuritis

Pregnancy Risk Factor: B