

**Patient Group Direction for the supply of Nitrofurantoin Modified Release capsules
by Community Pharmacists in the management of Uncomplicated Urinary Tract
Infections**

Private and confidential

Patient Details: Name: Address: GP surgery:

Check List for Management of Uncomplicated Urinary tract Infections in Women

Inclusion criteria	Yes	No
Patient is present at consultation and consents to treatment		
Patient is aged 16 years or over and under 75 years		
If patient is 16 to 64: presents with two or more of the following symptoms: dysuria, new nocturia and cloudy urine		
If patient is 65 to 75 years: presents with : presents with new dysuria (pain or discomfort when urinating) alone or two or more of the following symptoms: new urinary frequency, new urinary urgency, new suprapubic pain, visible haematuria with the naked eye		
Criteria for exclusion for treatment checked and none apply and to the best of the patient's knowledge do not have a problem with their kidneys		
Inform patient that about half of women with cystitis will be free of symptoms within three days even if they take no treatment. If symptoms are mild, advise to watch and wait.		
Consent form and checklist completed by pharmacist on PharmOutcomes. Prescription charge collected if applicable		
PMR completed and nitrofurantoin modified release capsule labelled as per PGD.		
Treatment regimen understood, including: <ul style="list-style-type: none"> • Advice given if symptoms do not respond within 48 – 72 hours: <ul style="list-style-type: none"> ○ Patient should make an appointment to see their GP and take an early morning midstream urine sample to this appointment this appointment. ○ Encourage patients to see their GP if symptoms persist or do not improve as this could be a sign of bladder cancer (especially in patients 45 years and over with visible haematuria or over 60 years with haematuria and/or persistent symptoms, requiring an urgent referral. Persistent symptoms depending on age of the patient could also be possible genitourinary symptoms of the menopause. 		
Follow up advice given on measures to reduce recurrent episodes, e.g. increase fluid intake (6-8 glasses)		
Print out the appropriate age TARGET toolkit and advise patient to read the leaflet		

**Patient Group Direction for the supply of Nitrofurantoin Modified Release capsules
by Community Pharmacists in the management of Uncomplicated Urinary Tract
Infections**

Cautions

Patients with an underlying condition which may reduce renal function. This includes patients with hypertension, heart disease, renal disease.

Concomitant use of medication that can adversely affect renal function, such as ACE inhibitors and diuretics.

For these groups of patients, the pharmacist should check if the patient has had a recent renal function test and also advised that this test result was satisfactory. If this information is not available for this particular group of patients, the patient should be excluded and referred to their GP.

Magnesium trisilicate mixture- may reduce absorption of nitrofurantoin

OTC UTI treatments: nitrofurantoin can cause electrolyte disturbances, caution if person presenting has recently tried treatment with OTC potassium citrate. Patients should be advised not to take alkalinising agents whilst taking nitrofurantoin.

Patients should be advised that nitrofurantoin can cause interference with some tests for glucose in urine

**Patient Group Direction for the supply of Nitrofurantoin Modified Release capsules
by Community Pharmacists in the management of Uncomplicated Urinary Tract
Infections**

Exclusion criteria	Yes	No
All men		
Already taking a course of antibiotics		
Allergy to nitrofurantoin or any component of the capsule		
Previous treatment with any antimicrobial for UTI, including nitrofurantoin or trimethoprim, in the last three months		
Presenting with any of the following symptoms, fever, pain in your sides or lower back, chills, rigors, nausea, vomiting and headache.		
Presenting with vaginal discharge		
Already had two or more UTI's in past six months or more than three during the previous 12 months		
Women aged under 16 or over 75 years		
Women who are pregnant or breastfeeding		
Woman with renal disease, history of renal stones or renal colic, urological abnormalities or had surgery involving the lower urinary tract		
Elderly female patients with confusion suggestive of a UTI		
Women with an indwelling catheter		
Women with known or suspected diabetes, or blood dyscrasias		
Women with known liver disease		
Women with significant immunosuppression or having treatment for HIV		
Women with known or suspected porphyria		
Women with known or suspected G6PD deficiency +/- Vitamin B deficiency		
Women with pulmonary disease e.g. COPD/emphysema/chronic bronchitis		
Women with known neurological disorders (including peripheral neuropathy)		
Women taking any of the following medicines: probenacid, sulphinyprazole, carbonic anhydrase inhibitors e.g. acetazolamide, oral typhoid vaccine (for three days before and after treatment)		

If the patient answers yes to any of the exclusion criteria then they must be referred to GP.

Pharmacist signature:	Date: