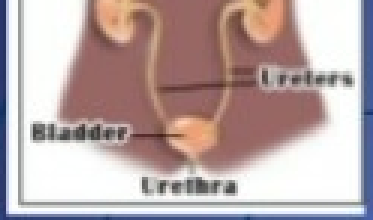

URINARY ANTISEPTICS

By=Dr.Ishfaq Ahmad

Edit with WPS Office

Urinary Antiseptics

- **Introduction:** Drugs used for urinary tract infects which kill or inhibit the growth of microorganism.
- **Mechanism of Action:** There are bacteriostatic drug. They inhibit the growth of different species of bacteria in urine.
- **Indication & Uses:**

1. Sulphonamide are used to treat infection causes by susceptible organism in urinary tract.
2. Methenamine is used to prevent recurrent urinary tract infection

- **Adverse effects:** Fever, Rash, Crystalluria, Nausea, Vomiting, Photosensitivity reaction, Stevens Johnson's syndrome

Edit with WPS Office

Drug Examples & doses

करें जिंदगी की बात, हमारे साथ
SONI GROUP OF HOSPITALS
YOUR LIFE...WE CARE!

S.No	Drugs	Doses
	Sulphonamides	
1	Cotrimoxazole	Co- Trimoxazole (Trimethoprim/ Sulfamethonazole) 80mg+400mg
2	Sulfadiazine	2 500- 1000 mg
3	Sulfamethoxazole	1-2gm orally every 6hrly.
	Miscellaneous	
4	Flouroquinolones	Ciprofloxacin 250-500mg, Levofloxacin 250-500mg
5	Methenamine	1 gm orally
6	Nalidixic Acid	Nalidic acid 500mg
7	Nitrofurantion	50-100 mg orally.

Edit with WPS Office

- **Contraindication & Precautions:**

1. Contraindicated in pregnant and breast feeding women, children younger than age 2yr.
2. History of Stevens Johnson syndrome.
3. Hypersensitive patients with sulphonamides.
4. Cautiously use in patient with mild to moderate renal or hepatic disorders, severe allergies, blood Dyscrasias urinary obstruction.

- **Drug interaction:**
- Sulphonamides may increase the effect of oral hypoglycemic.
- It may decrease the effectiveness of hormonal contraceptives.
- Increase risk of bleeding in patient who are taking anticoagulants.

Edit with WPS Office

Nursing Responsibilities

करें जिंदगी की बात, हमारे साथ
SONI GROUP OF HOSPITALS
YOUR LIFE...WE CARE!

- Assess the sign and symptoms of urinary tract infections.
- Advice to patient for intake of fluid 2000 — 3000 ml/day to reduce Crystalluria.
- Teach the patient proper hygiene measures to reduce the risk of reinfection.
- Monitor the patient urinary elimination patterns.
- Instruct to women who are taking oral conceptive to use an alternative method such as barrier method during the entire course of therapy.

Edit with WPS Office