

LESSON TOPIC (30th March – 03rd April)
for the students of the Second pharmacology semester.
SULFONAMIDES. ANTITUBERCULOUS MEDICINES.
Practical tasks

You should write answer in your copy books:

Task 1 a

Answer your colleague's questions:

1. Name the resorbative-acting sulfonamides.
2. What sulfonamides are used for treatment of GIT infections?
3. What sulfonamides are used for treatment of urinary tract infections?
4. Why does Co-trimoxazole have bactericidal effect?
5. What is difference between the drugs for tuberculosis treatment of first- and second- line therapy?
6. What are principles of tuberculosis treatment?

Class tasks

Task 1.

Divide the following drugs into sulfonamides (A) and agents for treatment tuberculosis (B). What agents belong to “first line” (I) and “second line” (II) therapy of tuberculosis? For agents, marked with asterisk, point out the dosage. Underline the new drugs.

Drugs.

- | | |
|--------------------|--------------------|
| 1. Ethionamide | 13. Bactrim* |
| 2. Isoniasid | 14. Saluzid |
| 3. Salazopiridazin | 15. Prothionamide |
| 4. Ethazol | 16. Pirazinamide |
| 5. Cycloserine* | 17. Ethambutol |
| 6. Phthalazol* | 18. Urosulfan |
| 7. Sulfadimetoxin | 19. Sulfaguanidine |
| 8. Streptomycin | 20. Lidaprim |
| 9. Rifampin | 21. Mafenide* |

- | | |
|-------------------|-------------------------|
| 10. Pasomycin | 22. Algimafe |
| 11. Sulfacetamide | 23. Silver sulfadiazine |
| 12. Sulfatone | 24. Capastat |

Task 2.

Classify the resorbative-acting sulfonamides. Match letters with numbers.

Pharmacological groups.

- A. Short-acting sulfonamides.
- B. Long-acting sulfonamides.
- C. Superlong-acting sulfonamides.
- D. Sulfonamides combined with trimethoprim.
- E. Derivatives of sulfonamides and salicylic acid.

Drugs.

- | | |
|----------------------|---------------------|
| 1. Streptocide | 9. Sulfadimetoxin |
| 2. Urosulfan | 10. Salazodimetoxin |
| 3. Sulfaethidol | 11. Ditrin |
| 4. Sulfamonomethoxin | 12. Sulfadiazine |
| 5. Co-trimoxazole | 13. Norsulfazole |
| 6. Sulfathiazole | 14. Sulfapiridazin |
| 7. Sulfadimidin | 15. Potesetta |
| 8. Sulfalen | 16. Salazopiridazin |

Task 3.

Name the typical side effects for the following drugs:

sulfonamides,
fluorochinolones,

isoniaside,
ethambutol,
rifampicin,
streptomycin