

12. STUDY OF MEDICATIONS DESIGNED FOR URETHRAL ADMINISTRATION



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Introduction. Currently, worldwide, according to studies, approximately 60% of women and 20% of men declare a urinary problem throughout their lives, such as: urethritis, cystitis, prostatitis, etc. Thus, for a complex and effective treatment medicinal preparations with local and systemic actions are used.

Aim of study. The study of the magistral pharmaceutical forms, distinctly solutions, that are prescribed in various urological diseases.

Methods and materials. The scientific databases: Scopus and Pubmed served as materials, as well as the magistral prescriptions from the production department of the „Vasile Procopisin” University Pharmaceutical Center, regarding the assortment of urethral solutions (instillations) used in the local treatment of urological diseases.

Results. The instillation of medicinal solutions into urethra through a catheter, is one of the most recommended treatments by many urological associations. This method is characterized by lack of side effects, through which medicinal substances reach the place of action directly. The study of prescriptions from „Vasile Procopisin” University Pharmaceutical Center, prescribed by doctors from various health institutions from the Republic of Moldova, revealed that majority of prescribed urethral medicinal forms were solutions containing colloidal substances such as protargol and collargol, composed of silver oxide particles and protein, effective for fighting bacterial infections. Doctors also recommended instilling the urethra with sea buckthorn oil and a 3% solution of boric acid. Thus, the high proportion of medical prescriptions with liquid forms shows that, thanks to the direct action on the localization of infection and inflammation, the improvement of treatment could be reached.

Conclusion. The study of prescriptions designed for ureteral administration showed increased interest of doctors in magistral pharmaceutical forms prepared in pharmacies. After identifying the frequency of prescriptions, it was found that the liquid magistral forms are the most used in the treatment of urological conditions due to the local and beneficial action they exercise.