

COMPLICATIONS OF INFUSION THERAPY

N.N. Derkach

Summary. Complications of infusion therapy are analyzed. Among nonspecific complications are allocated technological, technical, hypervolemic, hyposmotic, etc. Technological complications are caused by manufacturing techniques infringement of infusion medications, their physical and chemical features (hypertonic of solutions, low level pH), a material and a design of devices for carrying out of infusions (catheters, needles, filters, systems etc.). Technical complications are connected with the technical errors admitted at a choice or realisation of venous access, at carrying out of procedure of infusion, at care vascular catheters, established on long time. Hypervolemic complications are a result of fast or superfluous infusion of a liquid in a bloodstream. Allergic complications are connected with individual hypersensitivity to any of components infusion solutions. Specific complications of infusion therapy are connected with physical, chemical and pharmacological features of groups of infusion medications or separate medications, and also the specific allergic answer to a solution component.

Conclusions are made on value of manufacture of infusion medications according to standards GMP, about necessity of development of technical devices for carrying out of infusions, about a role of the medical personnel, about necessity of search new, more safe infusion solutions.

Key words: *infusion therapy, complications, side effect.*