The object of this text is to teach students an approach to the study of pharmacologic agents. The focus is on the basic principles of biophysics, biochemistry and physiology, as related to the mechanisms of drug action, biodistribution and metabolism. The course consists of lectures and student-led case discussions. Topics covered include: mechanisms of drug action, dose-response relations, pharmacokinetics, drug delivery systems, drug metabolism, toxicity of pharmacological agents, drug interaction and substance abuse. Selected agents and classes of agents are examined in detail.
1: Chapters

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Thumbnail: Chemotherapy drugs in vials and an IV bottle. (Photo by Bill Branson. Courtesy of National Cancer Institute Visuals Online.)