BIOACTIVATION AND BIOIN ACTIVATION OF DRUGS AND THEIR METABOLITES: RELEVANCE TO ADVERSE DRUG REACTIONS

CORINAIONESCU

University of Medicine and Pharmacy "I.Hatieganu", Cluj-Napoca
Faculty of Pharmacy Department of Pharmaceutical Biochemistry and Clinical laboratory

Abstract: Adverse drug reactions are a major complication of drug therapy which occur in only a small percentage of the population, but are often serious and account for many drug-induced deaths. The in vitro test systems based on human cells and tissues provide a valuable insight into the mechanisms involved. Of particular importance in this respect are the chemically reactive metabolites; the balance between bioactivation and bioinactivation pathways of drug metabolism will be a critical factor in both the type and extent of toxicity.