

Impact of Pharmacogenomics Drugs in Cardiovascular System

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Abstract

refinement of therapeutic strategies. Pharmacogenomics, the study of how an individual's genetic makeup influences drug response, has emerged as a promising avenue for achieving personalized medicine. This article provides a comprehensive overview of the effect of pharmacogenomics drugs on the cardiovascular system, focusing on the use of antiarrhythmic drugs. The integration of genetic information into clinical decision-making processes offers the potential for more precise and individualized cardiovascular care.

Keywords: Cardiovascular diseases; therapeutic strategies; Pharmacogenomics; Cardiovascular medicine; Pharmacogenomics drugs

Introduction

Cardiovascular Diseases (CVDs) continue to pose a substantial global health challenge, necessitating innovative approaches to enhance therapeutic outcomes and minimize adverse effects. In recent years, the field of pharmacogenomics has emerged as a pivotal area of research and clinical application, offering a personalized approach to drug therapy based on an individual's genetic makeup. This paradigm

shifts the focus from a one-size-fits-all approach to a more targeted and effective drug therapy, ultimately improving patient safety and outcomes.

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