



Drug Transporters and Adverse Drug Reactions in Veterinary Patients

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Abstract

Adverse drug reactions (ADRs) are a critical concern in veterinary medicine, impacting patient health and treatment. This review discusses the role of drug transporters in ADRs, focusing on genetic variability and its impact on drug disposition in various animal species. We discuss the impact of genetic variability in drug transporter activity and strategies for assessing drug transporter involvement in ADRs.

Introduction

Adverse drug reactions (ADRs) are a significant concern in veterinary medicine, as they can lead to morbidity and mortality in patients. The occurrence of ADRs is often unpredictable, and their underlying mechanisms are complex. One of the key factors influencing ADRs is the presence of drug transporters, which are responsible for the absorption, distribution, and elimination of drugs in the body. Genetic variability in drug transporter activity can lead to altered drug disposition, increasing the risk of ADRs. This review discusses the role of drug transporters in ADRs, focusing on genetic variability and its impact on drug disposition in various animal species. We discuss the impact of genetic variability in drug transporter activity and strategies for assessing drug transporter involvement in ADRs.

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