Clinical Pharmacology & Biopharmaceutics

# Advancing Medical Science: The Importance of Clinical Trials in Healthcare

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## Abstract

Clinical trials play a crucial role in the development of new medical treatments, ensuring their safety and e cacy before they reach patients. Over the years, signiýcant advancements have been made in the ýeld of clinical trials, revolutionizing the way research is conducted and accelerating the pace of scientiýc discovery. This article highlights some of the recent innovations and methodologies that are transforming the landscape of clinical trials is the integration of big data and artiýcial intelligence (AI) into clinical trial processes. With the increasing digitization of healthcare, vast

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