PREFACE

Oral controlled release drug delivery is a system that provides continuous oral delivery of drugs at predictable and reproducible kinetics for a predetermined period throughout the course of GI transit and also the system that target the delivery of a drug to a specific region within the GI tract for either a local or systemic action.

An ideal oral drug delivery system should steadily deliver a measurable and reproducible amount of drug to the target site over a prolonged period. Controlled release (CR) delivery system provides a uniform concentration or amount of the drug at the absorption site and thus, after absorption allow maintenance of plasma concentrations within a therapeutic range, which minimizes side effects and also reduces the frequency of administration in order to overcome the drawbacks of conventional drug delivery systems, several technical advancements have led to the development of controlled drug delivery system that could revolutionize method of medication and provide a number of therapeutic benefits and now we have developed controlled release of recent drugs targeting the uniform release for 12hrs with azilsartan medoxomil, nimodipine and isradipine to achieve the reduced fluctuations in drug release and Maintenance of plasma drug concentration within an optimal therapeutic range for prolonged duration of treatment with maximum efficiency-dose relationship with economical means of less drug utilized compared to conventional dosage form and reduced adverse effects and minimizing drug accumulation with chronic dosing and economy to enhanced therapeutic benefits and reduced side effects.