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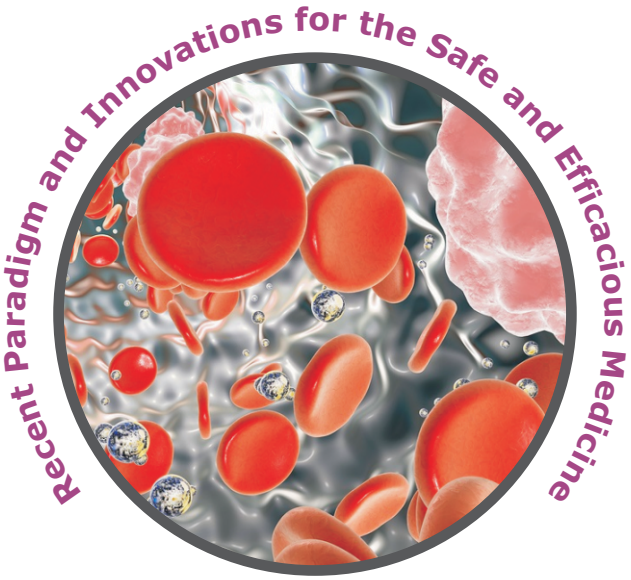

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PHARMA PRAMARSH
Pharma Pramarsh, Rohtak

revealed that, formulation LHO3 is the most optimum liposomal formulation having vesicle size (290.4 nm), entrapment efficiency (62.20%) and polydispersity index (0. 0.275) with minimum error values.

PC-44

FORMULATION AND DEVELOPMENT OF MODIFIED RELEASE ANTI-DIABETIC TABLET

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ABSTRACT

The purpose of present investigation was to develop the dosage form containing metformin and glimepiride for both immediate and sustained release. The Sustained Release (SR) tablets of metformin containing sustained release beads were not useful to controlling the fasting glucose levels whereas conventional metformin tablets cannot acts for prolonged time, But the tablets prepared by present method useful for control both fasting glucose levels and maintenance dose. Even though many combination therapies available in market as metformin for SR & other sulfonylureas for immediate release, the primary concern for considering metformin hydrochloride as monotherapy was its efficient activity, less cost and negligible cardiac risk factors. The immediate release dose was developed by coating of the tablet with glimepiride. Sustained release beads in tablet were prepared by inotropic gelation method using sodium alginate and sodium CMC. The various batches of drug coated tablets with different percentages of sustained release beads were prepared and evaluated for various physical properties and dissolution profile. Hardness of tablets was decreased and percentage loss in friability is increased as concentration of beads in tablet increased. All the parameters are within range for tablets containing micro beads & drug coating.

PC-45

MULTIPLE UNIT PELLETS SYSTEM

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ABSTRACT

The Multiple Unit Pellets System are most useful for the treatment but having the dome disadvantages. On the Positive Side, it is the Multiple Unit of Particulate system coated with the Polymer. MUPS are the improved Physicochemical stability system as compared to Suspension. Disintegrating rate was more as compared to another drug to give the systemic effect rapidly. Pellet s ranges in size between the 0.5 to 2.0 mm.The MUPS are multiparticulate in nature and administered as a tablet. The Colon targeted drug delivery systems are possible and controlled release and the stability of dosage form as compared to that possible with capsules. On the down side, MUPS are the tableting which destroys the film coating on the Pellets and Capsules filling which increases the costs. The size of Pellets are varies from formulation to formulation but usually lies between 1 to 2 mm.

PC-46

SOLUBILITY ENHANCEMENT OF FENOFIBRATE BY SOLID DISPERSION METHOD USING PEG 6000

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ABSTRACT

The objective of this study was to enhance solubility as well as oral bioavailability of the poorly water soluble drug fenofibrate (FB), through preparation of amorphous solid dispersions (ASDs). The solubility behavior of drugs remains one of the most challenging aspects in formulation development. Most NCE are poorly water soluble drugs, not well-absorbed after oral administration. Solid dispersion is an increasingly important approach to enhance dissolution rate and solubility of poorly water soluble drug. The solubility enhancement and dissolution enhancement of fenofibrate from its