

A SCIENTIFIC REVIEW ON- SUSTAINED RELEASE DRUG DELIVERY SYSTEM

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ABSTRACT:

In the current scenario have drug formulating technologies and also have various methods to formulating the drug but in the sustained released drug delivery system the drug release slowly-slowly till 10 – 12 hours. In the SDDS the drug is release into the stomach because of addition of polymers which have property to bound the drug for a time then it will release the drug by the help of opener which leak the drug slowly-slowly from the polymer system like- HPMC, Polyethylene glycol, methyl cellulose.

This is safe technique for long therapy taking patient like – diabetes, blood pressure, arthritis, hypercholesterolemia and other diseases. But in this system the drug release rate is not pre- decided. Main advantage of this types drug are that the frequent dosing of drug is reduce .

So the toxicity of drug is also reduce. In this system have a major disadvantage that how much mg of drug will be release in an hour. So this types of drug can't for child patient . Rest this technique is very safe and efficient for patient.

KEYWORDS – SDDS, HPMC, POLYETHYLENE GLYCOL, METHYL CELLULOSE

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