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Controlled drug delivery concepts and advances. 1 st ed. Jan 2002; 218-219; S P Vyas; R K Khar; Vyas SP, Khar RK. Controlled drug delivery concepts and advances. 1 st ed. 2002. p. 218-9.

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Book review Targeted and Controlled Drug Delivery: Novel Carrier Systems S.P. Vyas, R.K, Khar, CBS Publishers, New Delhi, 2002, ISBN 81-239-0799-0 The pace of developments in drug delivery and targeting poses challenges for authors intent on covering the field but here is a recently published textbook which deserves attention.

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### **Research and Reviews Journal of Pharmaceutics and**

Transdermal drug delivery systems (TDDS) are controlled-release devices that contain the drug either for Vyas SP, Khar RK. Transdermal drug delivery. Controlled drug delivery-concepts and advances. New Delhi, India: VallabhPrakashan, 2002; 411-447.

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### **M PHARM SYLLABUS PHARMACEUTICS**

5. S.P.Vyas and R.K.Khar, Controlled Drug Delivery - concepts and advances, Vallabh Prakashan, New Delhi, First edition 2002 JOURNALS 1. Indian Journal of Pharmaceutical Sciences (IPA) 2. Indian drugs (IDMA) 3. Journal of controlled release (Elsevier Sciences) desirable 4. Drug Development and Industrial Pharmacy (Marcel & Decker) desirable

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### **PROTEINS AND PEPTIDES authorSTREAM**

structure of proteins and barriers affecting protein and peptide drug delivery system- authorSTREAM Presentation. 36 REFERENCES Vyas S.P. And Khar Roop K., Controlled Drug Delivery Concepts and Advances ; Vallabh Prakashan , Delhi. Page no. 503-570. Satyanarayana U., Chakrapani U., Biochemistry , 3 rd edition, 2011, Books and

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### **Design and evaluation of controlled drug delivery system**

1. Introduction. The efficiency of a drug lies in targeting specific parts and maintaining its desired concentration for longer period of time. By designing controlled delivery system, the desired concentration of drug can be maintained without reaching a higher toxic level or dropping below the minimum effective level , , . The various biocompatible and biodegradable synthetic and natural

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### **COLON TARGETED DRUG DELIVERY CURRENT AND NOVEL**

Vyas SP and Khar RK : Gastroretentive systems Controlled drug delivery: concepts and advances. Vallabh Prakashan, New Delhi, 2005: 218-253. Antonin KH, Rak R, Bieck PR, Preiss R, Schenker U, Hastewell J, Fox R and Mackay M : The absorption of human calcitonin from the transverse colon of man.

<http://home.schoolnutritionandfitness.com/COLON-TARGETED-DRUG-DELIVERY--CURRENT-AND-NOVEL--.pdf>

### **Dr S P Vyas Google Scholar**

Dr. S P Vyas. Dr H.S. Gour University, sagar, India. No verified email. SP Vyas, RK Khar. 2004: Controlled drug delivery concepts and advances. SP Vyas, RK Khar. vallabh prakashan 1, 411-447, 2002. 736: 2002: Preparation and in vitro evaluation of liposomal/niosomal delivery systems for antipsoriatic drug dithranol.

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### **Oral Controlled Release Drug Delivery System A Review**

A desirable characteristic of controlled release delivery system is that the duration of drug action should be dictated by the design property of drug molecules. There are different mechanistic aspects for design of oral controlled release drug delivery systems such as matrix, reservoir, osmotic pressure, ion exchange resins, altered density etc.

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### **Pharmacokinetics Pharmacodynamics of Controlled Release**

controlled drug delivery systems. Models of time course profile of absorption Controlled drug release, concepts and advances, by S.P.Vyas & Roop K.Khar. Controlled drug delivery, fundamentals & applications, by Joseph R.Robinson, Vincent.H.L.Lee.

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### **Synthesis and applications of polyacrylamide grafted agar**

The therapeutic advantages of controlled drug delivery are drug release at a predetermined rate, Advances in Controlled and Novel Drug Delivery, CBS Publishers & Distributors, New Delhi (2001), pp. 89-119. Google Scholar. S.P. Vyas, R.K. Khar Controlled Drug Delivery concepts and advances (1st ed.), Vallabh Prakashan, New Delhi (2002)

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### **Controlled Release Drug Delivery Systems**

Controlled Drug Delivery (CDD) occurs when a polymer, whether natural or synthetic, is judiciously combined with a drug or other active agent in such a way that the active agent is released from the material in a predesigned manner. The release of the active agent may be constant over a long period, it may be cyclic over

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### **Targeted controlled drug delivery novel carrier**

ISBN: 8123907990 9788123907994: OCLC Number: 465088521: Description: xxi, 594 pages : illustrations ; 25 cm: Other Titles: Targeted and controlled drug delivery

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drug delivery system or by modifying the molecular structure and /or physiological parameters [2]. Advantages of Controlled Drug Delivery [3-6] Maintenance of drug levels within a desired range. Delivery of difficult drugs: slow release of water-soluble drugs, fast release of low-solubility drugs.

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### **COMPARATIVE REVIEW ON CONVENTIONAL AND ADVANCED OCULAR**

Amongst the various routes of drug delivery, the field of ocular drug delivery is one of the most interesting and challenging endeavors facing the pharmaceutical scientist for past 10 20 years<sup>1</sup>. As an isolated organ, eye is very difficult to study from a drug delivery point of view. Despite these limitation, improvements have been made with the objective of maintaining the drug in the

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### **Polymeric Systems for Controlled Drug Release Chemical**

A New Degradable Hydroxamate Linkage for pH-Controlled Drug Delivery. *Biomacromolecules* 2007, 8 (1) , 196-201. DOI: 10.1021/bm060755j. Olivier Thillaye du Boullay,, Emmanuel Marchal,, Blanca Martin-Vaca,, Fernando P. Coss o, and, Didier Bourissou. An Activated Equivalent of Lactide toward Organocatalytic Ring-Opening Polymerization.

<http://home.schoolnutritionandfitness.com/Polymeric-Systems-for-Controlled-Drug-Release-Chemical-.pdf>

### **9788123907994 Targeted Controlled Drug Delivery Novel**

The advances in the realm of targeted and controlled drug delivery are epitomized through various drug carriers developed from time to time for the purpose. Most of the carrier(s) are either macromolecular drug bearing complexes or conjugates or colloidal drug container(s).

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### **1 GASTRORETENTIVE DRUG DELIVERY SYSTEMS authorSTREAM**

Advantages Improved drug absorption, because of increased GRT and more time spent by the dosage form at its absorption site. Controlled delivery of drugs. Minimizing mucosal irritation by releasing drugs slowly at a controlled rate. Treatment of gastrointestinal disorders such as gastro-esophageal reflux, providing local action.

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### **BP704T Novel Drug Delivery System Theory Syllabus for B**

S.P. Vyas and R.K. Khar, *Controlled Drug Delivery -concepts and advances*, Vallabh Prakashan, New Delhi, First edition 2002. Journals. *Indian Journal of Pharmaceutical Sciences (IPA)* *Indian Drugs (IDMA)* *Journal of Controlled Release (Elsevier Sciences)* *Drug Development and Industrial Pharmacy (Marcel & Decker)*

<http://home.schoolnutritionandfitness.com/BP704T--Novel-Drug-Delivery-System--Theory-Syllabus-for-B-.pdf>

### **International Journal of Pharmaceutical and Medicinal**

Targeted drug delivery is a kind of smart drug delivery system which is miraculous in delivering the drug to a patient. This conventional drug delivery system is done by the absorption of the drug across a biological membrane, whereas the targeted release system is that drug is released in a dosage form [1,2].

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## **TRANSDERMAL DRUG DELIVERY SYSTEM QUALITY APPROACHES AND**

Vyas SP, Khar RK. Controlled Drug Delivery Concepts and Advances. Vallabh Prakashan, 1st Ed. Delhi; 2002. Transdermal Drug Delivery, Page no. 411-413. Shingade G M, Aamer Quazi, Sabale P M, Grampurohit N D, Gadhave M V, Jadhav S L, Gaikwad D D. Review on- Recent Trend of Transdermal Drug delivery System.

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## **INFLUENCE OF INCREASING CONCENTRATIONS OF MAGNESIUM**

An extended release drug delivery system designed using different matrix is the release system, which prolongs and controls the release of drug that is modified, dissolved or dispersed. Formulation for controlled release with METHOCEL cellulose ethers, USA, 1987. Vyas, S. P., Khar, R. K., Controlled drug delivery concepts and advances

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## **CHAPTER 9 BIBLIOGRAPHY Shodhganga**

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## **Controlled Release Matrix Tablets of Zidovudine Effect of**

The purpose of this research was to design oral controlled release (CR) matrix tablets of zidovudine (AZT) using hydroxypropyl methylcellulose (HPMC), ethyl cellulose (EC) and carbopol-971P (CP) and to study the effect of various formulation factors on in vitro drug release. Release studies were carried out using USP type 1 apparatus in 900 ml of dissolution media.

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## **ocular drug delivery LinkedIn SlideShare**

A Seminar on Ocular Drug Delivery System Presented by : V. Srujana M. Pharm Iyr (IISem) Dept. Of Pharmaceutics KLR College.

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## **Osmotic pump evaluation LinkedIn SlideShare**

2 Osmotically controlled oral drug delivery : (1)- Elementary osmotic pump (EOP) : Single layer tablet for delivery of drugs having moderate water (Alza Corp., USA) solubility. Can be utilized for zero-order delivery as well as pulsed release . 16.

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## **Studies on the release of ibuprofen from Al<sup>3</sup> ion cross**

IN VITRO DRUG RELEASE STUDY. The in vitro drug release study was carried out in the acidic solution 0.1 N HCl (pH 1.2) and in the PB solution (pH 6.8) using a USP II dissolution rate test apparatus (model TDP 06P Electro Lab, Mumbai, India). 20 mg beads were placed in a 500 mL acidic solution or 500 mL PB solution (37 ± 1 °C) and rotated with paddle at 75 rpm.

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## **Targeted Controlled Drug Delivery Novel Carrier**

Targeted and Controlled Drug Delivery (Novel Carrier Systems) will certainly underwrite the future of clinical therapeutics and preventive medicine. The advances in the realm of targeted and controlled drug delivery are epitomized through various drug carriers developed from time to time for the

purpose.

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### **Formulation and evaluation of gastro retentive floating**

Drugs that have narrow absorption window in the gastrointestinal tract (GIT) will have poor absorption. For these drugs, gastro retentive drug delivery systems offer the advantage in prolonging the gastric emptying time. Atenolol is an antihypertensive drug, which has low elimination half-life: 3-4 hrs. The floating tablets of Atenolol were prepared to increase the gastric retention and to

<http://home.schoolnutritionandfitness.com/Formulation-and-evaluation-of-gastro-retentive-floating--.pdf>

### **International Journal of Research Pharmaceutical and Nano**

Vyas S P, Khar. Controlled drug delivery: concepts and advances In: Vyas S P, Khar, eds, Controlled oral administration, Delhi, India: Vallabh Prakashan, 2002, 155-195. Please cite this article in press as: G. Hymavathi et al. Review Article on Inprocess Problems and Evaluation Tests of Tablet Manufacturing, International Journal of Research

<http://home.schoolnutritionandfitness.com/International-Journal-of-Research-Pharmaceutical-and-Nano--.pdf>

### **Design and study of lamivudine oral controlled release tablets**

The objective of this study was to design oral controlled release matrix tablets of lamivudine using hydroxypropyl methylcellulose (HPMC) as the retardant polymer and to study the effect of various formulation factors such as polymer proportion, polymer viscosity, and compression force on the in vitro release of drug.

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### **ORAL CONTROLLED RELEASE DRUG DELIVERY SYSTEM A REVIEW**

Drugs existing largely in ionized form are poor candidate for oral controlled release drug delivery system because absorption rate of ionized drug is 3-4 times less than that of unionized form. The pKa range for acidic drug whose ionization is pH sensitive is around 3.0-7.5 and for basic drug whose ionization is pH sensitive is around 7.0-11.0

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### **Buccoadhesive Drug Delivery System A Review PharmaTutor**

3.Vyas SP and Khar KR. Controlled drug delivery concepts and advances. 1st ed. Vallabh prakashan 2002; 258-298. 4.Sandeep SL, et al. mucoadhesive drug delivery system. Indo-global journal of pharmaceutical sciences 2011; 3(1): 243-251. 5.Pranshu T, et al. mucoadhesive drug delivery, mechanism and methods of evaluation.

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### **Gastroretentive drug delivery systems A review**

Vyas SP, Khar RK (2002). Controlled drug delivery concepts and Advances, 1 Edn., Vallabhprakashan, Delhi, pp.196-205. Xu L, Li S, Sunada H (2006). Preparation and evaluation in vitro and in vivo of captopril elementary osmotic pump tablets. Asian J. Pharm. Sci. 1(3):236-45. Yeole PG (2005). Floating drug delivery system, need & development.

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TY - JOUR. T1 - Formulation and evaluation of transdermal patches of metoclopramide hydrochloride.

AU - Saxena, M. AU - Mutalik, S. AU - Reddy, M.S.

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