

Review on Medicated Chewing Gum

Sambherao Anuja¹, Rachana Kamble², Nutan Unde³

Student, Department of Pharmaceutics^{1,2}

Assistant Professor, Department of Pharmaceutics³

Samarth Institute of Pharmacy, Belhe, Pune, Maharashtra

Abstract: Medicated chewing gums (MCGs) represent a unique platform for drug delivery. They have been defined as solid single-dose preparations, which may contain more than one active pharmaceutical ingredient (API) with base consisting primarily of gum that has to be chewed for a certain period of time. Chewing gums are the type of mobile drug delivery systems. The world market for chewing gum is estimated to be 560,000 tons per year, representing approximately US \$5 billion. Some 374 billion pieces of chewing gum are sold worldwide every year, representing 187 billion hours of gum-chewing if each piece of gum is chewed for 30 minutes. It is useful by means of administering drugs either locally or systemically through, the oral cavity. The treated chewing gum has through the times gained adding acceptance as a medicine delivery system.

Keywords: Medicated chewing gum, Oral drug delivery system, Patient compliance

REFERENCES

- [1]. Paul BAHL, Doctoral thesis, University Of Hudders field Development of medicated chewing gum formulation for the delivery of a poorly soluble drug 2015(20-70)
- [2]. Formulation development and evaluation of medicated chewing gum of anti-emetic drug by Saudi pharma j.2016 (153-164)
- [3]. Wathore SA. Kale VK. Formulation and evaluation of medicated chewing gum of gramsenon. Pantaa humo 12019.898.283-6
- [4]. Hamdan H. Zaini 5 Effect of Nicene en schizophrenic and antipsychotic medications: A systematic review Malays I Prychiany 2018-27-10.25
- [5]. Al Hagbam T. Altotante C. Salawa A. Nazzul S. Droptaul masthae design. Formulation developoatent, mechageal climactersentum, and optimization of curcumin chewing guns using oppanol II 12 elastomer as a gum-base. Int J Pharm 2018 553-210-9
- [6]. Wessel SW, au des Mei HC. Mustza A. Dodds MW, Basscher HJ. Potential benefits of chewing gum for the delivery of oral therapeutics and its possible sole in oral healthcare. Expert Opin Drug Delis 2016,13:1421-31
- [7]. Aslani A Ghannadi A. Rostami F Design formulation, and evaluation of ginger medicated chewing gum Adv Biomed Res 2016:5 130
- [8]. John A Kumar K Dinesh KB Medicated chewing gum Modern drug delivery system Universe I Pharm Sei Res 2019-3-29-19
- [9]. Commanee for Medicmal Products fir Human Use. CPMP List f Allowed Terms for the Pharmaceutical Dosage Fona, Route of Administration, Container, Closure and Administration Devices Brussels, Belgium Commission of the European Comoninities 1991
- [10]. Dabhi P. Jawani NP. Development and vabdation of a selectie analytical aple method for the quantification of guafifenesin in gunfeneun medicated chewing gum intruded for cough relief. Int J Eng Set Comput 2019-9-22613-9