

Formulation and Evaluation of Oral Thin Film of Lidocaine

Shamal Prakashrao Kadam and Deepak J. Kare

Nootan College of Pharmacy, Kavthe Mahankal

Abstract: *The easiest, safest, and ulmost applicable system of administration is buccal delivery. Fast-dissolving medicine- delivery systems were first developed in the late 1970s. This research aims to give an about the preparation, formulation techniques and the recent technologies used in the ODF formulations. Oral films (OFs) are used as a unique approach, because it dissolves quickly in the mouth and directly reaches to the systemic circulation. The solvent casting method is the widely used technique in the preparation of thin films. Creating and developing oral presto- disintegrating flicks with lidocaine to treat mouth ulcers was the thing of the current study. lidocaine (LH)is anesthetic drug and improve its local effect. In the evaluation of the formulations, different parameters such as structure, thickness, degree of swelling, moisture content, drug content, texture profile analysis, release kinetics according to the in vitro drug release, and cytotoxicity evaluation were taken into consideration. The solvent casting method is the widely used technique in the preparation of thin films.*

Keywords: Buccal film, local anesthesia, lidocaine, Severe oral pain, Film casting

