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Formulation and Evaluation of Fast Dissolving Tablet of Aspirin

Madhavi V. Lichade, Mohd. Vaqqas, Mohit Tembhekar, Abhishek Zade, Rahul Lichade, Tanmay Choudhari
New Montfort Institute of Pharmacy, Ashti, Wardha, India
madhavilichade3@gmail.com

Abstract: *The purpose of this study was to develop and assess aspirin fast-dissolving tablets (FDT) in order to improve patient adherence, particularly for those who have trouble swallowing. Although aspirin is frequently used as an analgesic, antipyretic, and anti-inflammatory medication, some patient groups may not benefit from its standard dosage form. Several excipients, including binders (like hydroxypropyl methylcellulose) and super disintegrants (such sodium starch glycolate and croscarmellose sodium), were used in the formulation of the fast-dissolving tablets. The tablets were made using the direct compression method and evaluated for a number of characteristics, including as in-vitro dissolution, hardness, friability, and disintegration time. With a rapid release profile, the fast dissolving formulation's dissolution rate was noticeably higher than that of conventional tablets. Excellent tablet hardness, a quick disintegration period, and acceptable patient acceptability were all displayed by the enhanced formulation. According to the study's findings, aspirin tablets that dissolve quickly may be a viable dosage form for enhancing patient compliance and the medication's beginning of effect, especially in older and younger populations*

Keywords: Aspirin, Fast dissolving tablet, hyperlipidaemia

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