

breakdown of food and more surface area of the food to react with digestive enzymes during chemical digestion.. Results: chewed sample with highest number of bites had high dissolution value.. Conclusion: the advantage of this new method of evaluating mf is that, there was no intervention of subjective evaluation at any stage of the test procedure. Assessing of the me was done by dissolving the chewed sample in buffer solution after chewing was done by tablet dissolution tester which simulates chemical digestion and the dissolved amount of diclofenac sodium was detected by digital uv spectrometer. This system needs minimum time to complete, easy to perform with minimum errors and gives accurate digital results.. Keywords: mastication, masticatory efficiency, masticatory function, mechanical digestion.

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52. Pharmaceutical procedure for evaluation of masticatory efficiency using pharmaceutical product as a test food.

Mahantesh Achanur

Aim: To present new objective evaluation system for assessing the masticatory efficiency (me). . **Materials and method:** this study used pharmaceutical product containing diclofenac sodium as a test food, tablet dissolution tester and digital uv spectrophotometer to access dissolution value of test material. A total of 300 test food were prepared and asked to chew by 10 subjects. Chewed test samples were collected and subjected to dissolution test and the amount of dissolved material was analysed by using digital uv spectrophotometer. The principle behind this method of assessing the me was, “mechanical digestion does not change food chemically it does increase the surface area of the food which aids in chemical digestion.” Better the mastication more the