



## Evaluating The Effect of chewing Aspicid versus its soluble form used for Heart Disease Children on the microhardness of Primary Teeth Enamel. (In Vitro-Study)

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### Abstract:

Aspicid 75 mg chewing tablets (pH = 3) is the usual drug used in children with heart disease, this acidic medicine is available in Egyptian markets and accessible by the public. This may lead to increase their susceptibility to dental erosion. The aim of this study was to compare the effect of chewing aspicid on the micro hardness of primary teeth and comparing it with that of its soluble form. A total number of thirty six exfoliated primary teeth were randomly assigned to two groups after measuring micro hardness at base line: group (A) Exposed to chewing aspicid tablets under vibration to mimic the chewing process, group (B) Exposed to 100 ml aspicid solution. All teeth were prepared for micro hardness test after acidic treatment. Microhardness decreased in both groups. However group (A) showed higher reduction in its micro hardness values than group (B). Aspicid caused reduction in enamel surface micro hardness in both groups but microhardness increased more when coupled with mimic chewing process.



### Biography:

Gehan Gaber Allam has completed her PhD at the age of 34 years in the field of Pediatric Dentistry & Dental Public Health, from Faculty of Dentistry Ain Shams University. She is lecturer at Pediatric Dentistry & Dental Public Health Department; Faculty of Dentistry Ain Shams University. She has published more than 3 papers in reputed journals.

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