INTRODUCTION
Diet is a major aetiological factor for dental caries and enamel erosion (1). This study was undertaken with the aim of assessing the effects of aerated soft drinks on salivary pH among adults (2). It is well established that a good diet is essential for the development and maintenance of healthy teeth (3). Saliva plays an important role in maintaining the integrity of teeth by the way of its buffering action and controlling the demineralisation and promoting remineralisation occurring continuously at the enamel surface (4). The normal pH of saliva is 6.7 to 7.4 but as bacteria breakdown carbohydrates, they release lactic acid, butyric acid and aspartic acid which bring down the pH of saliva.(5) Fall in salivary pH after any dietary intake is a crucial parameter of oral health.(6) When the pH level in mouth goes below 5.5, the acids begin to break down the enamel on teeth.(7) The longer the teeth are exposed to a low salivary pH, the more likely the development of dental caries is.

MATERIALS AND METHODS
Thirty healthy volunteers were included in the study. The volunteers were between 18-26 years old and free from acute or chronic diseases of general systems or oral cavities. Furthermore they did not have any kind of oral addictions in their past history, such as smoking, alcohol or snuff consumption.One aerated drink is selected for the study to evaluate their influence on human salivary pH. Before consumption of aerated drinks, saliva was collected under room temperature.

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RESULTS AND DISCUSSION
It has been observed that the pH is same for all participants. The mean pH before consuming aerated drinks is 7. The mean pH after consuming aerated drinks is 5.7 that shows a decline in salivary pH after consuming aerated drinks.If the time interval is being extended it would bring about a further decline in salivary pH.

CONCLUSION
The present study clearly indicates that there is a decline in salivary pH after the consumption of soft drinks. The aerated drinks contain substantial quantities of sugar and acidity content that brings down the pH level of saliva which is harmful. Therefore it is important to avoid frequent...
consumption of these aerated drinks to reduce the risk for dental caries.

References

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