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Research Article

What is the alliance between normal body temperature and tooth decay?

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Abstract

The main objective of the present study was to correlate the tooth decay with the normal body temperature. Different terms are used for the normal body temperature, known as normothermia. It is the typical different range that is found in the human. Normal body temperature n human is 36.5 - 37.5˚C and in case of fever when body temperature is high then its value is 37.5 - 38.3˚C and in case of hypothermia a condition in which its value is < 35.0˚C. In these 125 students participated in this study. We designed a project and in this we measured the body temperature of the different individuals and then get the different ranges of the body temperature. To know the relation between the body temperature and tooth decay statistical analysis was performed to get the result by applying the t - Test. In this MS - Software was applied to get the results and the significant value for this was $P < 0.1$.

Keywords: Normal body temperature, Tooth decay, Hypothermia

Introduction

Different terms are used for the normal body temperature, known as normothermia. It is the typical different range that is found in the human. Normal body temperature n human is 36.5 - 37.5˚C and in case of fever when body temperature is high then its value is 37.5 - 38.3˚C and in case of hypothermia a condition in which its value is < 35.0˚C. But it also varies for the adults in this case adults' means that they have the average body temperature is below than the normal body temperature. But 37˚C is the normal body temperature and it is also known as the average body temperature. If the body temperature is below than the normal body temperature and it is higher than the normal body temperature, then it doesn't matter you are ill or you are sick in any disease. A lot of factors that affect the normal body temperature. These factors are age, sex, time of the day and activity level which is involved in the regulation of the body growth. The temperature of the body changes for the children, adults and also for the older people due to the factors that affect the regulations of the body. While the older people have normally lower body temperature as compared to the young people. It varies for the person to person. Because every person has the different body temperature. Relation of body temperature is inversely related to the age. As the age increases then normal body temperature of the individual decreases. As the physical activity level and the other food which we eat as per day and the drinks that we drunk that affect the body temperature. Males and females body temperature also different from each other, and it is also different for the females due to the hormones that affect upon the growth rate of the body and it also influences the normal body temperature.

Tooth decay is the damaged of the structure of the teeth. Tooth have the appropriate size and shape, but it is destroyed due to the bacterial actions that is done by the bacteria. A lot of the bacteria attacks upon the teeth and releases many hormones that are necessary for the teeth. Softening of the teeth is due to the bacterial attacks and in this the protective layer upon the tooth is destroyed. And this occurs due to the overuse of the carbohydrates and the sugary material. In case of the sugary material there is a lot of sugar is present in them and that is the main reason of the destruction of the teeth. If it is not treated as its time, then it also cause the serious diseases and sometimes it can also lead to the death.

Material and Method

In these 125 students participated in this study.

Method of measuring body temperature

We measured the body temperature of the different subjects with a thermometer and then collected the results. In this we put the thermometer under the tongue of the subjects and then measured the body temperature. In these 125 subjects went out in the lab and then we measured the body temperature of the diffe-

rent subjects. Almost all the students have the body temperature approximately in the range of 96˚F to 100˚F. The body temperature measured in the Fahrenheit scale.

Project designing

We designed a project and in this we measured the body temperature of the different individuals and then get the different ranges of the body temperature. Then we designed a report that reveals that there was any effect of the body temperature upon the tooth decay or not. The significant value for this was 0.1.

Statistical analysis

To know the relation between the body temperature and tooth decay statistical analysis was performed to get the result by applying the t - Test. In this MS - Software was applied to get the results and the significant value for this was P < 0.1.

Results and Discussion

In this t - Test was applied and the results obtained show that the value is significant and there is great effect of the body temperature upon the tooth decay. In this, females have the tooth decay were in the non - significant value. The values of females for mean and standard deviation were 95.848 and 2.236. These values were for that condition females had the tooth decay. While another condition was no tooth decay in females. The values for mean and standard deviation were 97.034 and 1.696. The p - value for the females were 0.88. They showed that there were no relation or effect of the normal body temperature upon the tooth decay. While in case of the males that had tooth decay the values were 97.735 and 0.966. Those males that had no tooth decay the values for them were 96.938 and 2.533. And the p - value for them were 0.001. This value showed that there is a great relation among the normal body temperature and tooth decay. So, this showed that normal body temperature is inversely related to the age factor and it is also related to the tooth decay. Tooth decay is a serious problem for any individual related to any age of that individual. So, tooth decay in the older people is mostly related to the normal body temperature. Because when age factor increases then the chance of the tooth decay in the older people are very great and as according to the study older people have the higher level of the body temperature [1-11] (Table 1).

Gender Females/Males	Effect of body temperature upon tooth decay	No effect of body temperature upon tooth decay	*P*-Value
Females	95.848 ± 2.236	97.034 ± 1.696	0.88
Males	97.735 ± 0.966	96.938 ± 2.533	0.001*

Table 1: Effect of tooth decay upon body temperature (Mean ± SD)

*P<0.1

Conclusion

It was concluded that the values were significant and there was a great relation of the tooth decay with normal body temperature.

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