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# Has Any Effect of Body Temperature on Hair Loss?

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## Abstract

The purpose of this survey is to just correlate the normal body temperature with hair loss. Degree of hotness or coldness is known as temperature. The average body temperature for a normal persons is about 98.6 degree Fahrenheit, but normally it ranges between 97.8 to 99.1 or little bit higher or lower in healthy person. A condition in which hair loss starts is known as Alopecia. Deficiency of biotin and niacin cause hair loss. We checked the normal body temperature of the subjects in the Bahaudin Zakariya University, Multan Pakistan by their permission by using thermometer. Total subjects were 123.

**Keywords:** Hair loss; Normal body temp with hair loss; Normal body temperature

## Introduction

Degree of hotness or coldness is known as temperature. The average body temperature for a normal persons is about 98.6 degree Fahrenheit, but normally it ranges between 97.8 to 99.1 or little bit higher or lower in healthy person. It can be measured by using thermometer and the sites from where body temperature can be easily measured are mouth and armpits. It can also be measured from ears backside. If the temperature is greater than the normal body temperature then it is known as fever and if the temperature is lower than the normal body temperature and it is about 95 Fahrenheit it is known as hypothermia. Temperature can be varied other than infections and illness. Stress , sitting or living in the hot or cold environment and dehydration can also affect normal body temperature. Temperature is highly changed in older because they cannot maintained so they are being ill without showing the signs of fever.

A condition in which hair loss starts is known as Alopecia. Deficiency of biotin and niacin cause hair loss. Hair loss can occur on entire body or sometimes on the parts of the body. Due to the deficiency of the hormones in males baldness occur but in girls its cause is unknown and its due to autoimmune. Telogen is the type of hair loss and its main cause is physical stress. Abnormal food taking also cause hair loss and the treatments including radiation and fungal infection cause hair loss and inflammation. Transplant surgery is the treatment and environment also influence minoxidil used for treating hair fall.

The purpose of this survey is to just correlate the normal body temperature with hair loss.

## Materials and Methods

We checked the normal body temperature of the subjects in the Bahaudin Zakariya University, Multan Pakistan by their permission by using thermometer. After obtaining the body temperature of the 123 subjects we provided paper to tell us whether their hair loss is high or less according to the temperature. The subjects were the students of the university

## Statistical Analysis

The software stata 12 were used for statistical analysis and t-test were applied for result.

## Result and Discussion

P-value <0.05 is known as significant value.

Relation of normal body temperature and hair loss is given in this table by Average ± SD and P-value.

| Sex | High hair loss | Less hair loss | p-value |
|---|---|---|---|
| Girl | 88.61 ± 26.10 | 93.02 ± 17.58 | 0.343 |
| Boy | 97.84 ± 1.11 | 97.33 ± 2.04 | 0.457 |
| Combine | 89.59 ± 24.83 | 94.50 ± 14.35 | 0.171 |

**Table 1:** According to this table no.1 girls having grater hair fall has average 88.61 and SD is 26.10.The girls having less hair fall has average 93.02 and SD is 17.58 and their p-value is 0.343.And the boys having high hair fall has average 97.84 and SD is 1.11 and the boys with less hair fall has average 97.33 and SD is 2.04 and their p-value is 0.457. And the combined high and less hair fall values also given in table and the p-value for combined is 0.171.

## Conclusion

Now the result and discussion shows that the p values obtained after examining is 0.171 which greater than significant value so there is no scientific relation of normal body temperature with hair loss.

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