

## Relation of Normal Blood Pressure with Hair on Ear

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### ABSTRACT

*Objective of our current study was to relate the normal blood pressure with hair on ear. Total subjects including both males and females that involved in this project were 200. These subjects were students, getting education in Bahauddin Zakariya University, Multan, Pakistan. Normal blood pressure is very important to life. Blood passes the antibodies and white blood cells for immunity. Blood pressure cannot be produced by pumping of heart. A device is used for the measurement of blood pressure is known as sphygmomanometer. Having normal hair not a problem but when hairs grow thickly then this causes problem to internal side of ear. It is very rare condition that woman with diabetes can have babies with hairy ears. Current study explains that there is no relation of normal blood pressure with hair on ear.*

**Keywords:** Blood pressure, Hairy ear, Sphygmomanometer, p value.

### INTRODUCTION

Blood pressure is a pressure that allows blood through the circulatory system. Normal blood pressure is very important to life. Blood passes the antibodies and white blood cells for immunity. Blood pressure cannot be produced by pumping of heart. A device is used for the measurement of blood pressure is known as sphygmomanometer. This device gives reading of blood pressure in terms of pressure it takes to shift mercury against gravity around a tube. The unit for pressure being measured is mmHg (millimeters of mercury). Readings of blood pressure consist of systolic pressure and diastolic pressure. The value of normal blood pressure is 120mmHg systolic and 80mmHg diastolic. Blood pressure varies naturally and it is characterized by long-term or short-term fluctuations.

Having hair on ear is a normal thing. Hair may be present inside or outside the ear. Hairs grow rapidly on ear in some people because of certain hormones like testosterone. When babies are born, they have soft hair and then go away self after few weeks. Hair present on inner side of ear protect ear and help in hearing. Having normal hair not a problem but when hairs grow thickly then this causes problem to internal side of ear. It is very rare condition that woman with diabetes can have babies with hairy ears. Growth of hair with ear canal is sometimes normal and observed in older men. Ear hair trimmer can be used for the removal of hair from ear but avoid from scissors, creams and tweezers because all these can damage the ear.

Objective of our current study was to relate the normal blood pressure with hair on ear.

### MATERIALS & METHODS

#### *How to check blood pressure?*

A device was used to check our blood pressure called sphygmomanometer. An inflated bag was wrapped around arm. Device was self-operating and button was clicked and that automated device gave us reading about our systolic and diastolic blood pressure after few seconds.

### Project Designing

Total subjects including both males and females that involved in this project were 200. Students of Bahauddin Zakariya University, Multan, Pakistan were subjects.

### Statistical analysis

**SAS accomplished** this analysis. *t*-Test was performed for result assay.  $P < 0.05$  was studied as significant.

### RESULTS

Relation of normal Systolic and Diastolic blood pressure is given in table 1-2. According to table 1, systolic blood pressure was correlated with hairy ear. Males and females were including with value 123.40 explained that they had hairy ear and *p* value was 0.29. Females had average value 121.33 for hairy ear and this value was greater than average of hairy ear absent. Male with average value of 128.48 said that had no hair on ear. *P* value was greater than significant value and this showed that there is no relation of hairy ear with systolic blood pressure. According to table 2, relation of diastolic blood pressure with hairy ear was given. In this, both males and females with value of 74.10 were greater than average 72.88 said that they had no hair on ear and *p* value was calculated 0.66. Females with average value of 74.38 said that that they had no hairy ear while females with average 71.86 said that they had hair on ear and *p* value was 0.41. Males with average 128.48 said that they had no hair on ear was greater than average value 126.50 (presence of hair on ear) and *p* was greater than 0.05. This showed that there was no relation of hairy ear with normal blood pressure.

**Table 1:** Relation of normal Systolic blood pressure (Mean±SD) with hair on ear

Gender	Presence of hair on ear	Absence of hair on ear	<i>P</i> - value
<b>Combined (Males &amp; Females)</b>	123.40±16.10	119.77±14.31	0.29
<b>Female</b>	121.33±16.09	117.10±13.46	0.34
<b>Male</b>	126.50±16.44	128.48±13.68	0.72

Non- significant ( $p < 0.05$ )

**Table 2:** Relation of normal Diastolic blood pressure (Mean±SD) with hair on ear

Gender	Presence of hair on ear	Absence of hair on ear	<i>P</i> - value
<b>Combined (Males &amp; Females)</b>	72.88±13.29	74.10±11.55	0.66

<b>Female</b>	71.86±10.90	74.38±11.69	0.41
<b>Male</b>	74.40±16.80	73.19±11.17	0.83

Non- significant ( $p < 0.05$ )

## DISCUSSION

In current researches, questionnaire based research have given significant advancement. Work related to the study of normal blood pressure relation with hairy ear was not given. But studies showed association of earlobes creases with heart diseases instead of hairy ear.

## CONCLUSION

Current study explained that there is no relation of normal blood pressure with hair on ear.

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