

## Relationship between Finger Print Pattern and Gender among Adolescents of Igala Ethnic Group, Kogi State, Nigeria

**Authors :** Paul Idoko Ukanu, Sunday Abba, Balogun Sadiya

**Abstract :** The study of the finger prints patterns among the Igala ethnic groups was done in order to see their association gender. A cross sectional study was conducted and a total of 602 subjects participated in this study, 322 females and 280 males, which were mainly secondary school students between the age ranges of 13-19 years. The subjects fingerprint pattern was obtained by allowing them place the tip of each finger on the stamp pad, which is then imprinted on the questionnaire, this was done for both the left and right hand. Female had higher arch, whorl and loop finger print pattern in most of the right fingers than the males, the differences were statistically significant for the right index, right ring finger and right little finger, but were statistically insignificant for right thumb and right middle finger as  $p = 0.207$  and  $0.726$ , respectively. The result also revealed that males had higher arch finger print pattern in the right index and right little finger than the females, which was statistically significant ( $p = 0.001$ ), and also a high whorl finger print pattern than the females in the right middle and ring finger.

**Keywords :** arch, loop, whorl, fingers

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