

Conference Abstract

DAY 1 15th September 2023 (Friday)

ORAL 2

3.30-5.00 pm

Scientific Session 4

Palm Crease Analysis In individuals with Different Blood Groups**Prateek Manjunath, Thejashwari H G, Asha K R**

Department of Anatomy, Siddaganga Medical College & Research Institute, Tumakuru

Email: prateek.manish.07@gmail.com

Background: This study aims to investigate the relationship between palm creases and bloodgroups, exploring the possibility of utilizing palm crease analysis as a non-invasive methodfor personalized health assessment .Blood groups, categorized into A, B, AB, and O, havebeen linked to various physiological characteristics and susceptibility to certain diseases.However, limited research has explored the potential connection between blood groups andpalm creases. This study seeks to fill this research gap by conducting a comprehensiveanalysis of palm creases in relation to blood group types.

Aim: To analyse the palm creases of individuals with different blood groups.

Materials and methods: The present study was approved by Institutional Ethical Committee. The study was presented on 72 1 st year mbbs students of Siddaganga Medical College AndResearch Institute. The study was performed on both genders, who knew their blood group.The materials used for the study A4 size sheet, Black colour Stamp Pad (of a standard brand),magnifying lens, needle and high resolution photos of palm. Palms with deformities such aspermanent scars, birth defects, burns, or disease were excluded. Study Procedure: The palm and the palmar surface of the finger were then fully dabbed with black standard ink. Then theink was uniformly spread over the palm and fingers including the hollow of the palm. Thenthe uniformity of the ink was thoroughly examined, if certain areas were left out, ink wasspread into that area using cotton balls. Firstly, the right hand was pressed from proximal todistal side. Then, the hand was lifted from the paper from distal to proximal aspect. The sameprocedure was repeated on the left side. The sheets were immediately encoded with name,age sex and groups. The prints were then subjected to detailed dermatoglyphic analysis. Theanalysis was then done with magnifying hand lens and the ridge counting was done with asharp needle. Data will be analysed using IBM SPSS (version 16) for statistical analysis.

Results: Result will be discussed during presentation

Keywords: Palm creases, Blood group