

## The Papillary Images as Part of the Twin Method

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The “Twin Method” is attempting to answer questions linked with the extent of influence of genetic information as opposed to the environment over various diseases, behaviors and level of intelligence. The material of the study included palm prints of both hands of 21 pairs of MZ twins and 22 pairs of DZ twins. Most data was collected in the area surrounding the town of Shumen, Bulgaria. Fingerprints and palms were obtained by a standard method. The distribution of ulnar loops on fingers in MZ and DZ twins shows that its frequency is the highest on the 5<sup>th</sup> distal phalanx (87.5% in MZ twins and 69.04% in DZ twins). The percentage of spirals compared to other fingerprint images is greater in DZ twins (40.47%) than in MZ twins (29.77%). The difference in zygosity can be observed in triradii  $t'$ ,  $t''$ , 0.

*Key words:* monozygotic twins, dizygotic twins, papillary images, twin method, hypothenar image.