

Digital Dermal Patterns in Carcinoma of Breast

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KEYWORDS Finger prints, Dermatoglyphics, Neoplastic disease, Breast cancer.

ABSTRACT Finger print patterns of 100 female patients of cancer of breast were compared with 100 matched controls accordingly. A pattern of six or more digital loops were identified more frequently in women with breast cancer than those without the disease ($p < 0.01$). Women with more than six loops in their fingerprint pattern were 46 times more at risk of having carcinoma of breast as compared to controls, the OR ratio was 46.58, 95% C.I.=15.78-137.49. The presence of >6 whorls are also significantly associated negatively with carcinoma of breast ($\chi^2=16.61$, d f=1, $p < 0.01$). It appears that >6 whorls have a protective effect for carcinoma of breast. (OR=0.1319, 95% C.I. = 0.035-0.49). These findings suggest that the digital dermatoglyphics may have a future role in identifying women at increased risk for breast cancer.