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Tropical Chronic Pancreatitis (TCP): A Cytogenetic Study in Patients Residing in and around Coimbatore City, Tamil Nadu

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ABSTRACT Tropical chronic pancreatitis (TCP) is a juvenile form of chronic calcific non- alcoholic pancreatitis found almost exclusively in tropical countries. This study was performed to find out the chromosomal aberrations in chronic pancreatitic patients of Coimbatore city, south India. 41 tropical chronic pancreatitis patients were examined for chromosome abnormalities using standard procedure of analysis from peripheral blood leukocyte culture using trypsin G – banding. The patients and the control set of individuals displayed different types of chromosomal abnormalities such as deletions, translocations, inversions and mosaicism. Familial transmission of chromosomal aberration was detected in 6 TCP patients and abnormalities in chromosome 7 were found in seven patients including the familial cases. The etiology of the disease needs to be studied, taking geographical location of Coimbatore city also into consideration.