
MTT035-P05

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Geo-visualization of Endemic Malaria in Sakishima Islands in the First Half of the 20th Century

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In Sakishima islands in the first half of the 20th century, 1000 to 2000 malarial patients were reported in every year. According to the old research findings, there was much endemic malaria in Sakishima islands in the island of continentality or volcanic island, and it was distributed over the area where there is a vertical interval of land and the basin system network progressed.

This research restored the geographical environment of endemic malaria in Sakishima islands in the first half of the 20th century combining high resolution DEM, an old edition topographic map, and historical records, and performed consideration from a viewpoint of land use or a settlement form.

Keywords: Sakishima islands, endemic malaria, geographical environment, geo-visualization