การศึกษาปลาดายการใจนี้อยี่คงกับภายและกระจาบของพยาสิโธไม้ในตับ The tudy of probablished fish for presention อาณากร์สอด์วิธี ศรษดี

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The experiment was designed to find the minima effective dose MED of irradiation that can inhibit the maturation of <u>O. viverrini</u>. The ransite life cycle was established and maintained in laboratory and the animal moder for bioassay was investigated. Hamster was found to be the appropriate model and was used in all experiment.

Pure metacercariae (metacorcariae dissected from first before irradiation) were exposed to 0.1, 0.2, 0.2, and 0.5 km. No physical change was observed in the exposed metacorcariae. The MED was found to be 0.1 kGy. When whole infected fish was irradiated and metacorcariae fed to hamsters, the MED was resoluted and metacorcariae fed to hamsters, the MED was resolute however, due to technical error either the irradiation technicique or parasite (ogical manipulation, one hamster from each group receiving 0.2 and 0.3 kGy irradiated metacercariae was found to have one adult fluke. This fluke has no significant difference in morphology from that of the control, except the eggs in the uterus and in the master's gall bladders were not well developed

In conclusion, the results suggested that 0.1 kGy appears to be the MED of liver fluke in fish. However, fish irradiation to control liver fluke infection in the rural communities may be difficult since the transmission of this infection is normally from the home made dish prepared from fresh fish available all water beds.