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THE ENLARGING CLINICAL SPECTRUM OF CNS GNATHOSTOMIASIS

E.Schmutzhard, F.Gerstenbrand, P.Boo ird\*, A.Ve a iva\*, epartment o Neurology, niversity ospita nnsbruck, Austria; \*Divison of Neurology, Faculty of Medicine, Rama thibodi Hospital, Mahidol University, Bangkok, Thailand.

Although some cases have been reported from India, Malaysia and Vietnam. Gnathostomiasis is commonest in Thailand. Man is infected by eating inadequately processed or undercooked fish, particularly of the species Ophicephalus striatus. containing the third-stage larva of Gnathostoma spinigerum which is not fully adapted to man and in whom it migrates through tissues. Punyagupta, Vejjajiva and Boongiro et al defined the neurological spectrum of signs and symptoms of Gnathostomiasis. Radiculomyelitis, transverse myelitis, subarachnoid haemorrhage and, in rare instances, encphalitis represented the predominant clinical syndromes. During the 6 year-period - January 1980 through December 1985 - thirty nine patients suffering from CNS Gnathostomiasis were admitted to the Division of Neurology, Ramathibodi Hospital, Thailand. The diagnoses were established either clinically according to the oritoria and

tomiasis were admitted to the Division of Neurology, Ramathibodi Hospital, Thailand. The diagnoses were established either clinically, according to the criteria given by Boongird et al (1977) and - from 1984 on - confirmed serologically by means of Elisatechnique. Beside the neurological signs and symptoms, described above, intracerebral hemorrhage and transitory obstructive hydrocephalus could be observed. These two conditions were proved by computerized tomography of the brain and the Elisa of these patients were highly suggestive for Gnathostomiasis. Eosinophilic pleocytosis in the cerebro spinal fluid supported strongly the diagnoses. Thus it is suggested to enlarge the spectrum of signs and symptoms of CNS Gnathostomiasis and to include transitory hydrocephalus occlusus and intracerebral hemorrhage into this spectrum.

Punyagupta S. et al (1968) Amer.Trop.Med.Hyg.,17,551-560 Vejjajiva, A. (1978) Clin.Exp.Neurology, 15, 92-97 Boongird, P. (1979) J.Neurol.Sci., 31, 279-291