

Parasites found in Pacific oysters,
Crassostrea gigas from Korean waters

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Abstract

Pathological conditions of Pacific oysters were surveyed in some coastal areas of Korea. Samples of 30 to 45 oysters were collected in Kamakman, Masan and in Gosung Bay. Protozoan includes gregarine-like organism, *Marteilioides chungmuensis*, *Haplosporidium*; ciliates *Ancistrocoma* and Metazoa (trematode, nematode, copepod) were observed in samples from most of the sampling areas. *Marteilioides chungmuensis* was found in all sampling sites. Protozoan, *Halosporidium* sp. and *Ancistrocoma* sp. occurred in oysters from Gosung Bay (year 2000) with very low prevalence. Trematode *Gymnophalloides* was frequently found in oysters from all studied areas. Inflammation was frequently observed in oysters infected with *M. chungmuensis* and *Pseudomyicola*. The damaged structures were found in digestive tubes of oysters infected by *Halosporidium* sp. and *Pseudomyicola* sp. Some of the parasites and pathological status could associate with the conditions of oysters and the environment.