

## New data about the oceanic fish cudoases

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*Kudoa* parasites (Myxosporea) from the food fish species, brought in 2004-2005 to the markets of Dnepropetrovsk (Ukraine) from different regions of Atlantic (*Merluccius hubbsi* and *Micromesistius australis*) and Pacific (*Merluccius productus*) oceans have been studied. Totally 751 specimens of fish were investigated. 2 parasite species represented forms, causing post-mortal liquid softening of the host muscle tissue — *K. thyrsites* was met in diffused form and *K. paniformis* was localized as pseudocysts. *K. thyrsites* was always found in *M. productus* together with *K. paniformis*. Of 259 specimens of tested fish averagely 87% of the Pacific ocean *M. productus* were infected with *K. paniformis*, while some samples showed 100% prevalence of this parasite invasion. The indices of *K. thyrsites* prevalence varied from 13 to 37%, which corresponded to the magnitudes of mixed invasion as well. Averagely these species of Myxosporea invaded *M. productus* of 27.4 cm length, 285.8 g weight. The quality of the invaded whiting meat was low, because being pressed muscles formed foam. 2 species of Myxosporea (*K. rosenbuschi* and *K. alliaris*) belong to forms, always forming pseudocysts and causing no lysis of fish tissues after their death. *K. rosenbuschi* was registered averagely in 38.6% (of 225 studied fish) of the *M. hubbsi*, with maximum prevalence in separate samples — 70%. Fish with average body length 19.8 cm and 203.7 g weight appeared to be infected. Sizes of pseudocysts *K. rosenbuschi* (0.75-1.25 x 5-11 mm) — much more, than it is known from the literature, should be marked; they do not spoil too much market condition of fish due to their small size, pale yellow colour (not old cysts) and neglectible number (2-3 cysts in a fish). *K. alliaris* was found averagely in 82.4 % (of 267 tested fishes) exemplaries of the *M. australis*, with 29.6 cm length and 215.1 g weight. Invasion intensity was of 1-18 cysts in one fish. The cysts were aggregated, they were of cream — yellow colour and up to 23 mm size. They were quite noticeable visually and spoiled considerably market condition of the host fish.