

## POSTODIPLOSTOMATOZA NA RIBNJACIMA I OTVORENIM VODAMA

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### **Abstrakt**

Postodiplostomatoza je obolenje mladih kategorija slatkovodnih riba familja Cyprinidae i Cobitidae koje se karakteriše infekcijom metacerkarijama, razvojnim stadijumu *Posthodiplostomum cuticola*. Metacercarije su prisutne kao crne ciste locirane prvenstveno u koži, subepidermalnom tkivu i perajima. Obolenje izazvano *P. cuticola* konstantovano je prvi put na našim ribnjacima, dok je u otvorenim vodama prisutno već duži niz godina. Dijagnostikovano je kod belog amura (*Ctenopharyngodon idella*) i sivog tolstolobika (*Aristichthys nobilis*) u vidu promena na perajima u obliku tamnih diskoloracija i cisti veličine oko 1 mm. Kao posledica obolevanja došlo je do redukcije telesne mase mladunaca, kao i smanjenja preživljavanja. Postodiplostomatoza se javlja na ribnjacima gde se ne primenjuju preventivno-profilaktičke mere, odnosno gde se objekti za uzgoj mladunaca ne isušuju i mehanički ne obrađuju.

**Ključne reči:** postdiplostomatoza, metacerkarija, crne tačke, *Posthodiplostomum cuticola*

## POSTHODIPLSTOMATOSIS IN FISH PONDS AND NATURAL WATERS

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### **Abstract**

Posthodiplostomatosis is disease of young freshwater fishes of families Cyprinidae and Cobitidae resulting from the infection with metacercaria, developmental stages of *Posthodiplostomum cuticola*. Metacercaria present as a black cysts located primarily in the skin, in the sub-epidermal tissue and in the fins. The disease caused by *P. cuticola* in this fish species is detected in Serbian fishponds for the first time, while in natural waters has been present for many years. It is diagnosed in the grass carp (*Ctenopharyngodon idella*) and the bighead carp (*Aristichthys nobilis*) in the form of dark discolorations on fins and cysts that measured approximately 1 mm in diameter. Disease resulted in low percentage of survival in fingerlings and fish weight reduction. **Posthodiplostomatosis** occurred in fishponds in which the preventive measures were not implemented, i.e. where the nurseries were not dried up and mechanically cleaned.

**Key words:** *posthodiplostomatosis, metacercaria, black spot, Posthodiplostomum cuticola*