Outbreak of polycystic liver in Red Hybrid Tilapia, Oreochromis niloticus (L.) × Oreochromis mossambicus (Peters) (Article)

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Abstract

Polycystic lesions have been reported in many different fish species. This paper reports for the first item a case of polycystic lesions in the liver of tilapia. A group of 700 tilapia juveniles of approximately 50 g was obtained from a hatchery in Negeri Sembilan, Malaysia. When they were between 130 and 250 g, they started to show distended abdomen but appetite remained normal. Postmortem examination on 30 randomly selected tilapia revealed numerous large masses containing jellylike material in the peritoneal cavity of 33% of the fish. Histopathology revealed typical cystic lesion of liver tissue. This is the first report in hybrid tilapia and is presumed to be the result of a genetic anomaly. © 2016 The Japanese Society of Fish Pathology.

Author keywords

Liver; Polycystic; Red hybrid tilapia

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