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Outbreak of polycystic liver in Red Hybrid Tilapia, *Oreochromis niloticus* (L.) × *Oreochromis mossambicus* (Peters) (Article)Ismail-Salihin, M.^a, Siti-Zahrah, A.^b, Zamri-Saad, M.^a, Amal, M.N.A.^c, Nur-Nazifah, M.^b^a Faculty of Veterinary Medicine, Universiti Putra Malaysia, Serdang, Selangor, Malaysia^b National Fish Health Research Centre, Fisheries Research Institute, Batu Maung, Penang, Malaysia^c Faculty of Science, Universiti Putra Malaysia, Serdang, Selangor, Malaysia[View additional affiliations](#)[View references \(11\)](#)

Abstract

Polycystic lesions have been reported in many different fish species. This paper reports for the first time 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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