

# Detection of *Amyloodinium ocellatum* Parasite in Marine fish (Sobeity seabream & Asian sea bass) in Khuzestan Province

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## Abstract

Marine velvet disease is one of the most common diseases that affects marine fish with cause high morbidity and mortality rates in marine-cultured fish. Disease is caused by the Dinoflagellate organism *Amyloodinium ocellatum*. This parasite is specific for skin and gills. It has flagella, which help it move. This disease is widespread and can cause serious illness and death in marine fish, if not recognized and treated quickly and properly. Fish affected by this parasite often have appear to be dusty on the skin and rapid breathing because the gills often have very large numbers of the parasite present. If the infection is allowed to progress the fish lose appetite and sometime gasps at the surface of water, because of the gill damage. In this survey, after mortality in Sobeity seabream and Seabass fish samples from gill and skin of affected fish were collected and a wet mount of skin and gills was prepared. Results showed that *Amyloodinium* in gills was observed. Affected fish treated with short time bath of fresh water and formalin. This route is very effective.

**Keywords:** Amyloodiniosis, Marine fish, Treatment