

عنوان مقاله:

Anatomical disorders in ornamental fish

محل انتشار:

اولین کنگره بین المللی مدیریت بهداشتی و بیماریهای آبزیان (سال: 1387)

تعداد صفحات اصل مقاله: 1

نویسندگان:

S.M Modarres Mousavi - *Department of clinical science, School of Veterinary Medicine, Shiraz University, Shiraz*
Department of clinical science, School of Veterinary Medicine, Shahid Chamran University, Ahwaz, Iran

R Peyghan

A Moarabi

H Ebrahimnezhad

خلاصه مقاله:

Objective: Anatomic disorders occur in various phases of production, extensive or Intensive culture, fresh, brackish and salt-water and also in both edible/ornamental fish culture systems. Causative factors diagnosis is difficult due to their large number, their commonly symptoms and their frequently cooperative effect. Method & Materials: A case of six-Month-old *Macropodus opercularis* with jaw deformity was described. The fish was anesthetized with ketamindiazepam and strained for radiographic examination. It has been radiographed in lateral and dorsoventral view and finally recovered in aquarium with adequate oxygenation. In the other cases head deformity and fin dysplasia in Parrot cichlid (*Cichlasoma*) and Honey gourami (*Trichogaster chuna*) were detected. Results & Conclusion: The common anatomic problems can be classified into several categories, including deformities of the spine (lordosis and scoliosis), deformities of the fins, containing dysplasia or aplasia, deformities of the head (face, jaws and operculum), and abnormal body proportions. The predisposing factors can be nutritional (vitamin C and tryptophan deficiency), environmental, hereditary, and also trauma and infections. Environmental factors comprised disturbance of fertilized eggs during the first 10 hours of embryonic development, gases imbalance, alterations in water quality and elevated levels of light intensity during larval development. Several Anatomical Disorders consisting of deformity of head and dorsal fin dysplasia in Parrot cichlid (*Cichlasoma*), deformity of jaw in *Macropodus opercularis*, and anal fin dysplasia in one of the Honey gourami among it's group (*Trichogaster chuna*) were described. Almost all anatomic disorders are multi-factorial and it is difficult to establish a clear link between specific factors and a particular type of deformation. Since each of these disorders was only seen in one case, the etiology cannot be ascribed to environmental and nutritional factors. As theses compromised species were young, it seems .that the major cause can be a congenital problem

کلمات کلیدی:

Macropodus opercularis, *Trichogaster chuna*, Parrot cichlid, deformity and dysplasia

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/65581>



