The present report describes the case of such monster which was successfully delivered upon moderate traction.

References


Monopodia in a Country Chicken - A First Case Report

C. Soundararajan¹, M. Arul Prakash and K. Senthilkumar

Department of Veterinary Parasitology, Madras Veterinary College, Tamil Nadu Veterinary and Animal Sciences University, Chennai - 600 007, Tamil Nadu.

(Received : 08-01-2016; Accepted : 04-03-2016)

Abstract

Occurrence of Monopodia in 2 months old country chicken was reported in Tamil Nadu, India.

Key words: Monopodia - Country chicken - Occurrence

Absence of entire limb or part of it is fairly often found in swine and rarely in sheep and goats (Hamori, 1983). The absence of single fore limb or hind limb is termed as monobrachia or monopodia, and the absence, or rudimentary development, or malformation of the feet is referred to as peromalia (Paul Cohrs, 2013). Incidence of anatomical deformities in poultry like polymelia was reported by (Azeez and Oyagbemi, 2013) condition like monopodia in chicken was not yet reported. This paper deals the first report of monopodia in country chicken in Tamil Nadu of India.

Materials and Methods

A two months old country chicken at Thangamedu village, Erode district, Tamil Nadu was
examined for the leg deformity. On gross examination, country chicken had only right leg and absence of left leg.

**Results and Discussion**

In the present study absence of left leg in country chicken was reported from Tamil Nadu, India (Fig. 1). Critical review of literature revealed that the information regarding monopodia in chicken in Tamil Nadu, India is not yet reported. Hence this was the first case of monopodia in a country chicken from Tamil Nadu, India.

Anderson *et al.* (1995) and Ajayi and Mailafia (2011) reported occurrence of polymelia in 7 weeks and 9 weeks old broiler chicken, respectively. Whereas, Azeez and Oyagbemi (*loc.cit*) observed a case of polymelia with a rudimentary wing in an 8 weeks old Nera black chicken (*Gallus domesticus*) and opined that it is a rare disorder with chromosomal aberrations, which are associated with congenital limb malformations. While other limb abnormalities or deformities like hemimelia (the absence of a portion of a limb) in cattle, deformities of hind limbs in cattle, otter (amputed) in kids and amelia (abrachia) in buffalo calf were also reported by Lapointe *et al.* (2000), Vermun *et al.* (2000), Rajguru *et al.* (2001), Mosbah *et al.* (2012) and Jethva *et al.* (2014).

Arthur *et al.* (1982) reported that otter like deformity in kids was due to a non-herited teratogenic defect. Limb deficiency defects are relatively rare, particularly in chromosomal aberrations such as segmental autosomal, monosomies or trisomies. The etiology of limb malformation includes genetic factors, environmental agents or a combination of both (Newman *et al.*, 1999). Alam *et al.* (2007) reported that any alterations in the signaling centers due to genetic, toxic or environmental factors during limb development can cause congenital anomalies of the limb.

**Summary**

In the present study reported the first case of monopodia in a country chicken in Tamil Nadu, India.

**References**


