

A RARE CASE OF FACIAL DYSMORPHISM IN A GOAT KID

RAJAT¹, V.K. GANDOTRA², NAVDEEP SINGH^{3*} AND S.P.S. GHUMAN²

*Department of Veterinary Gynaecology and Obstetrics
Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana - 141 004*

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ABSTRACT

A rare case of dystocia due to fore limb retention, facial dysmorphism with multiple abnormalities and neck enlargement in a goat kid was relieved following gentle traction on head and fore limbs.

Key words: Anophthalmia, Dystocia, Facial dysmorphism, Goat, Kid

INTRODUCTION

Dysmorphic feature is a difference in a particular body structure in an otherwise normal individual that can be related to a congenital disorder, genetic syndrome, or birth defect (Reardon and Donnai, 2007). The present report describes a rare condition of facial dysmorphism along with neck enlargement in a goat kid that lead to dystocia.

CASE HISTORY AND OBSERVATIONS

A full term pregnant goat in its first parity was brought to university veterinary hospital with the history of severe

straining for the last 12h. Vaginal examination revealed a fully dilated cervix with moist birth canal. The fetus, without any reflex, was in anterior longitudinal presentation with backward deviation of head and hooves of both the anterior limbs were extended into the birth passage.

TREATMENT AND DISCUSSION

The birth passage was well lubricated using 1% sodium carboxymethyl cellulose gel. After assessing the fetus, fore limbs were flexed in the uterus and head was brought into the birth passage. Thereafter, limbs were brought into the birth passage and a dead fetus was delivered per vaginally after applying gentle traction on head and fore limbs. The goat was discharged with the routine prescription of antibiotics and supportive therapy. Gross examination of the deformed kid classified the kid to be suffering from facial dysmorphism, neck enlargement in cranio-ventral region and moderate alopecia (Figure). The observed craniofacial abnormalities of the face or head were misshapen head and complete absence of, a) both eyes (anophthalmia), b) ear canals, c) oral and (d) nasal opening. This condition is usually associated with holoprosencephaly, a cephalic disorder in which the prosencephalon (the forebrain of embryo) fails to develop into two hemispheres causing defects in face development and facial deformities that may affect the eyes, nose, and upper lip (Paolo *et al.*, 2005). The present case showing severe form of holoprosencephaly also revealed abnormal development of skin in cranio-



Figure: Facial dysmorphism in a goat kid

¹M.V.Sc. Scholar, ²Professor, ³PhD Scholar; *navdeep1987@gmail.com

ventral neck region. In summary, a rare case of facial dysmorphism was associated with dystocia in a goat kid is reported.

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