Report of Congenital Syndactyly (Mule Foot) in Cattle

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Syndactyly in cattle also known mule foot is a rare malformation, which inherited as an autosomal recessive trait with variable forms in different cattle breeds. Mule foot refers to the fusion or non-division of the two developed digits of the bovine foot. The variable expressed syndactyly phenotype in cattle is the most often seen in the front feet, but all four feet underlying a right-left and front-rear gradient may be involved. The bovine syndactyly consists mainly of pairs of horizontally synostotic phalanges and adaptive structural changes develop proximal to the fused digits. A seven days old Holstein female calf with clinical sign contain stiffness during walking and weight bearing on toes, syndactyly was observed in all of its limbs. No other congenital malformation observed. Radiograph in DPI, DPa and Lateral were taken and radiographic findings were include: absent proximal sesamoid bone, complete fusion in midline phalange, compact single pedal bone.

Key Words- Syndactyly, Mule foot, Calf, Radiography

References