

PATENT DUCTUS ARTERIOSUS WITH GLOMERULAR MESANGIOLYSIS IN A WHITE-FULANI CALF IN NIGERIA

**Ajayi, O.L., Omotainse, S.O., Olaniyi, M.O., Fasina, O.O., Oluwole O.A.,
Makinde, A.F. and Oyewusi, I.K.**

College of Veterinary Medicine, Federal University of Agriculture Abeokuta, Nigeria

Correspondence: E-mail-alabsola@yahoo.com

Abstract

A rare case of Patent ductus arteriosus (PDA) with glomerular mesangiolytic was observed in a 7-day-old White Fulani calf. Grossly, there was severe cyanosis of the mucous membranes, severe pulmonary congestion and oedema, severe ventricular hypertrophy, marked dilatation of pulmonary artery and left atrium, mild renomegaly with patent ductus arteriosus. Histologically, degeneration, disorganization and fragmentation of the ductus arteriosus smooth muscles, and moderate tubular nephrosis with marked diffuse glomerular mesangiolytic. This report seems to be the first reported case of PDA with glomerular mesangiolytic in calf in Nigeria.

Key words: Patent Ductus Arteriosus, Glomerular Mesangiolytic, White-Fulani Calf, Nigeria.